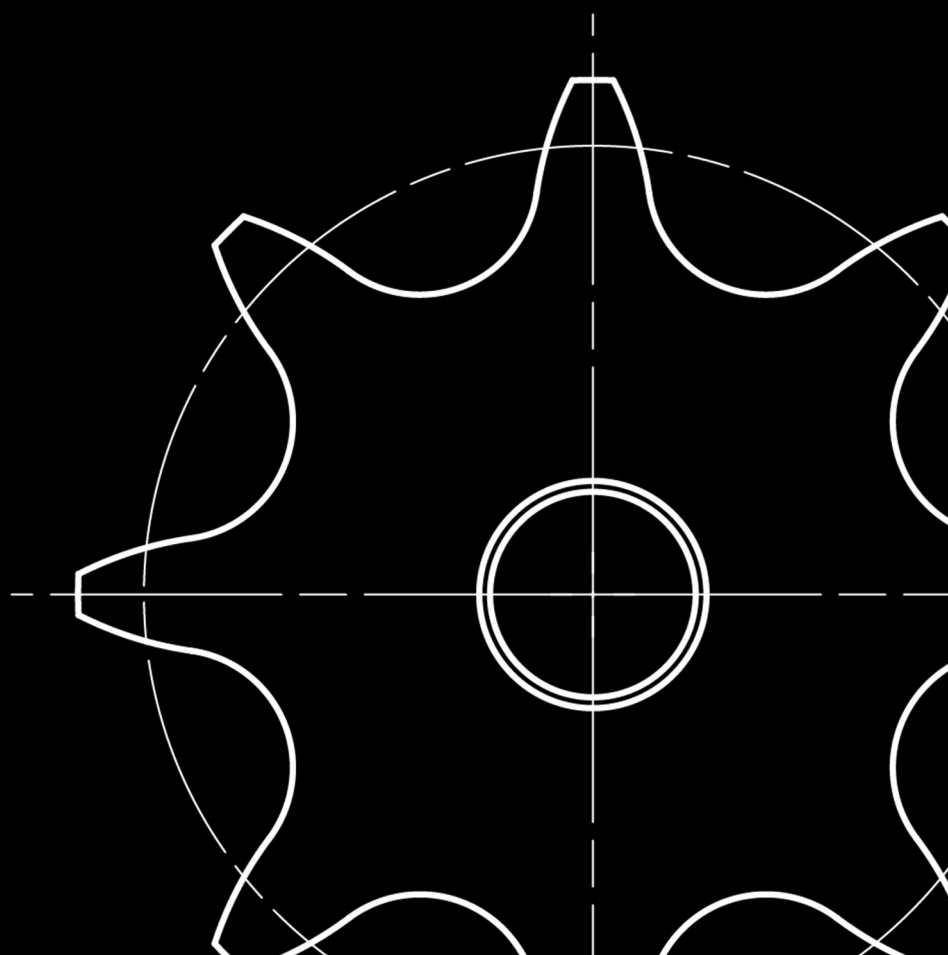




# CATALOGO TRASMISSIONE APERTA OPEN TRANSMISSION CATALOGUE









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## A 70 YEARS HISTORY

### OUR ORIGINS

It was 1952 when Silvio Chiaravalli started crafting his dream of “building mechanisms to help mankind in its everyday life” in a small town between Milan and the Alps. 70 years have passed to today and his heritage is a global multi-sectorial group built upon the industrial foundations established in the post WWII Italian context.

Throughout the decades, the initial **FIP** (Fabbrica Ingranaggi Premezzo) evolved in Ingranaggi Chiaravalli, which became a stock company in the seventies supporting the constant expansion in terms of infrastructure and European market shares. During the eighties the company led the opening of the Italian market towards emerging countries production but in 1988 the founder suddenly left his family and his company, mourned by the entire town of Cavarina con Premezzo.

Silvio's sons Mario, the elder, and Anna, the younger, supported by their mother Mrs Carla, took over the Chiaravalli Ingranaggi putting in their best effort to withstand such a strong heritage. The following 15 years represents a unique history of growth and expansion for the company, which changed its naming in Chiaravalli Trasmissioni Spa to better represent a wider scope of business. These times saw in fact on one hand the establishment of centers and offices across Europe, from Spain to Poland, while on the other the acquisition of CC Lame, producer of Raspe Blades, the foundation of a dedicated company for the motorcycle production, Carat, and CP Group, an elite mechanical components producer.





## INDUSTRIAL DIVISION

### INDUSTRIAL SOLUTIONS

Across the years, the industrial components have always represented the core of the Group activity and today our offer is based on a strong set of services that support one of the **most complete range of products**.

In a logistic infrastructure that globally covers more than 30000 sq, standard transmission, drive belts, tensioners, bearings, inverters, worm screw jacks, right angle, gearboxes and motors find their perfect place.

Within the logistic area, find their place **assembly and configuring areas** dedicated to gearboxes, worm screw jacks and tensioners allowing Chiaravalli to effectively prepare the product as set up by the product teams to perfectly match the customers needs.

Thanks to a **strong technical know-how**, each product unit supports clients in best choosing and defining the components required for their application; this strong tie is key to provide the proper support to customer operating in extremely different sector like metallurgy, maritime crane, railways, mining, agriculture, heavy transportation, earth moving, oil & gas, alternative energies, lifts and escalators.

# Chain sprockets

## LEGEND

SPROCKET = *PIGNONE*

TOOTH RADIUS = *RAGGIO DENTE* =  $r_3$

RADIUS = *RAGGIO* =  $C$

SPROCKET TOOTH WIDTH = *LARGHEZZA DENTE PIGNONE* =  $B_1 - b_1 - B_2 - B_3$

CHAIN = *CATENA*

PITCH = *PASSO*

INNER WIDTH = *LARGHEZZA INTERNA*

ROLLER DIAM = *RULLO*

Our company's range of chain sprockets provides an all-around solution to the industry's needs in the flexible mechanical transmissions sector. It is the result of a manufacturing process designed to achieve the highest technical and quality performance.

Our production program includes sprockets and wheels designed for chains, produced in compliance with the principles and the most recent Standards and International Unified Standards: UNI, ISO, DIN, ANSI, etc. However, the standards define a profile with both minimum and maximum dimensions for the wheel space for chains and rollers and the actual profile must lie within these values.

There is the option of selecting proportioning criteria for the profile since the tolerances that the Standards leave to the manufacturer's discretion are quite wide. The profiles can be optimized regarding smooth transmission and the tooth's capacity to support greater stresses.

This has led to the systematic development of a series of standardized profiles for which the geometry can be reproduced with great precision by tools designed specifically by computer the reference profile of which is protected by the Company's know-how.

A valued feature of this optimized profile, which is a characteristic exclusive to CHIARAVALLI GROUP SpA, is that of enhancing the "polygonal" chain wrap-around on the sprocket and the plate-wheel, reproducing the motion

discontinuity which is achieved even in the case of unfavorable transmission ratios and center distances.

As a result of this, CHIARAVALLI GROUP SpA has been able to include sprockets with a very low number of teeth in its catalogue and production program.

Respecting precision with limited machining errors is beneficial, even if the toothed wheel chain set represents a somewhat "basic" transmission solution.

This precision is assured by the systematic use of CNC machines and technologies developed to minimize the shearing stress and to improve the degree of the finished surface. The sprockets and wheels designed for chains included in the catalogue are also manufactured in the version with the "Taperlock" taper bush piece system particularly suggested for applications that require easy assembly and precise centering tolerances.

Our sales program is completed with single and multiple roller chains, as well as special chains suitable for every industrial application.

CHIARAVALLI GROUP SpA can manufacture sprockets and platewheels suitable for chains with specific executions, producing them based on drawings in any material, with induction hardening applied to steel wheels and sprockets.

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## 5x2,5 mm (03-B)

### CHAIN SPROCKETS

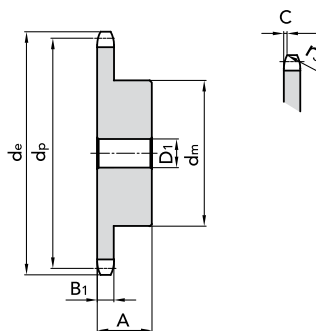
$r_a$  5,0 mm  
 $C$  0,6 mm  
 $B_1$  2,3 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

Pitch 5,0 mm  
Inner width 2,5 mm  
Roller Ø 3,2 mm



Simple - Semplici 03B-1

| Z  | $d_e$ | $d_p$ | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|-------|-------|----------|-------|-------|----|------|
| 8  | 15,20 | 13,06 | 10105008 | 7     | 4     | 10 | 0,01 |
| 9  | 16,80 | 14,62 | 10105009 | 8     | 4     | 10 | 0,01 |
| 10 | 18,30 | 16,18 | 10105010 | 9     | 4     | 10 | 0,01 |
| 11 | 19,90 | 17,75 | 10105011 | 11    | 5     | 10 | 0,01 |
| 12 | 21,50 | 19,32 | 10105012 | 12    | 5     | 10 | 0,01 |
| 13 | 23,00 | 20,89 | 10105013 | 14    | 5     | 10 | 0,01 |
| 14 | 24,60 | 22,47 | 10105014 | 15    | 5     | 10 | 0,02 |
| 15 | 26,20 | 24,04 | 10105015 | 16    | 5     | 10 | 0,02 |
| 16 | 27,80 | 25,63 | 10105016 | 18    | 6     | 13 | 0,02 |
| 17 | 29,40 | 27,20 | 10105017 | 18    | 6     | 13 | 0,03 |
| 18 | 30,90 | 28,79 | 10105018 | 18    | 6     | 13 | 0,03 |
| 19 | 32,50 | 30,38 | 10105019 | 18    | 6     | 13 | 0,03 |
| 20 | 34,10 | 31,96 | 10105020 | 18    | 6     | 13 | 0,03 |
| 21 | 35,70 | 33,54 | 10105021 | 20    | 8     | 13 | 0,04 |
| 22 | 37,30 | 35,13 | 10105022 | 20    | 8     | 13 | 0,04 |
| 23 | 38,90 | 36,72 | 10105023 | 20    | 8     | 13 | 0,04 |
| 24 | 40,50 | 38,30 | 10105024 | 20    | 8     | 13 | 0,04 |
| 25 | 42,00 | 39,89 | 10105025 | 20    | 8     | 13 | 0,04 |
| 26 | 43,60 | 41,48 | 10105026 | 25    | 8     | 15 | 0,05 |
| 27 | 45,20 | 43,07 | 10105027 | 25    | 8     | 15 | 0,07 |
| 28 | 46,80 | 44,65 | 10105028 | 25    | 8     | 15 | 0,07 |
| 29 | 48,40 | 46,25 | 10105029 | 25    | 8     | 15 | 0,07 |
| 30 | 50,00 | 47,83 | 10105030 | 25    | 8     | 15 | 0,07 |
| 31 | 51,60 | 49,42 | 10105031 | 30    | 8     | 15 | 0,10 |
| 32 | 53,20 | 51,01 | 10105032 | 30    | 8     | 15 | 0,10 |
| 33 | 54,80 | 52,60 | 10105033 | 30    | 8     | 15 | 0,10 |
| 34 | 56,30 | 54,19 | 10105034 | 30    | 8     | 15 | 0,10 |
| 35 | 57,90 | 55,78 | 10105035 | 30    | 8     | 15 | 0,11 |
| 36 | 59,50 | 57,37 | 10105036 | 30    | 8     | 15 | 0,11 |
| 37 | 61,10 | 58,96 | 10105037 | 30    | 8     | 15 | 0,11 |
| 38 | 62,70 | 60,54 | 10105038 | 30    | 8     | 15 | 0,11 |
| 39 | 64,30 | 62,13 | 10105039 | 30    | 8     | 15 | 0,12 |
| 40 | 65,90 | 63,73 | 10105040 | 30    | 8     | 15 | 0,12 |





## 6x2,8 mm (04-B)

### CHAIN SPROCKETS

$r_3$  6,0 mm  
C 0,7 mm  
B<sub>1</sub> 2,6 mm

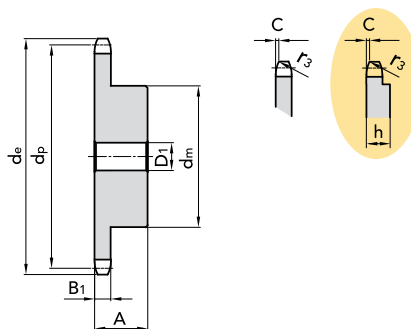
### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

Pitch 6,0 mm  
Inner width 2,8 mm  
Roller Ø 4,0 mm

From **Z 57** to **Z 76** the width disk wheel is increased to **h = 4mm**



Simple - Semplici 04B-1

| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |
|----|----------------|----------------|----------|----------------|----------------|----|------|
| 8  | 18,00          | 15,67          | 10106008 | 9,8            | 5              | 10 | 0,01 |
| 9  | 19,90          | 17,54          | 10106009 | 11,5           | 5              | 10 | 0,01 |
| 10 | 21,70          | 19,42          | 10106010 | 13             | 6              | 10 | 0,01 |
| 11 | 23,60          | 21,30          | 10106011 | 14             | 6              | 10 | 0,01 |
| 12 | 25,40          | 23,18          | 10106012 | 16             | 6              | 10 | 0,02 |
| 13 | 27,30          | 25,05          | 10106013 | 18             | 8              | 10 | 0,02 |
| 14 | 29,20          | 26,96          | 10106014 | 20             | 8              | 10 | 0,03 |
| 15 | 31,00          | 28,86          | 10106015 | 20             | 8              | 10 | 0,03 |
| 16 | 33,00          | 30,76          | 10106016 | 20             | 8              | 13 | 0,03 |
| 17 | 35,00          | 32,65          | 10106017 | 20             | 8              | 13 | 0,04 |
| 18 | 36,90          | 34,55          | 10106018 | 20             | 8              | 13 | 0,04 |
| 19 | 38,80          | 36,44          | 10106019 | 20             | 8              | 13 | 0,04 |
| 20 | 40,70          | 38,34          | 10106020 | 20             | 8              | 13 | 0,04 |
| 21 | 42,60          | 40,25          | 10106021 | 25             | 8              | 13 | 0,06 |
| 22 | 44,50          | 42,16          | 10106022 | 25             | 8              | 13 | 0,06 |
| 23 | 46,40          | 44,06          | 10106023 | 25             | 8              | 13 | 0,06 |
| 24 | 48,30          | 45,96          | 10106024 | 25             | 8              | 13 | 0,07 |
| 25 | 50,20          | 47,87          | 10106025 | 25             | 8              | 13 | 0,07 |
| 26 | 52,10          | 49,76          | 10106026 | 30             | 8              | 15 | 0,10 |
| 27 | 54,00          | 51,67          | 10106027 | 30             | 8              | 15 | 0,10 |
| 28 | 55,90          | 53,58          | 10106028 | 30             | 8              | 15 | 0,11 |
| 29 | 57,80          | 55,50          | 10106029 | 30             | 8              | 15 | 0,11 |
| 30 | 59,80          | 57,42          | 10106030 | 30             | 8              | 15 | 0,11 |
| 31 | 61,70          | 59,31          | 10106031 | 30             | 8              | 15 | 0,11 |
| 32 | 63,60          | 61,21          | 10106032 | 30             | 8              | 15 | 0,12 |
| 33 | 65,50          | 63,11          | 10106033 | 30             | 8              | 15 | 0,12 |
| 34 | 67,40          | 65,02          | 10106034 | 30             | 8              | 15 | 0,12 |
| 35 | 69,30          | 66,93          | 10106035 | 30             | 8              | 15 | 0,13 |
| 36 | 71,20          | 68,84          | 10106036 | 30             | 8              | 15 | 0,13 |
| 37 | 73,10          | 70,75          | 10106037 | 30             | 8              | 15 | 0,14 |
| 38 | 75,00          | 72,66          | 10106038 | 30             | 8              | 15 | 0,14 |
| 39 | 76,90          | 74,57          | 10106039 | 30             | 8              | 15 | 0,14 |
| 40 | 78,90          | 76,47          | 10106040 | 30             | 8              | 15 | 0,15 |
| 45 | 88,50          | 86,01          | 10106045 | 40             | 10             | 16 | 0,46 |
| 48 | 94,20          | 91,74          | 10106048 | 62             | 12             | 18 | 0,48 |
| 50 | 98,00          | 95,55          | 10106050 | 50             | 12             | 20 | 0,49 |
| 57 | 111,40         | 108,93         | 10106057 | 50             | 12             | 20 | 0,53 |
| 76 | 147,60         | 145,19         | 10106076 | 60             | 12             | 20 | 1,58 |





# 1/4"x1/8"

## CHAIN SPROCKETS

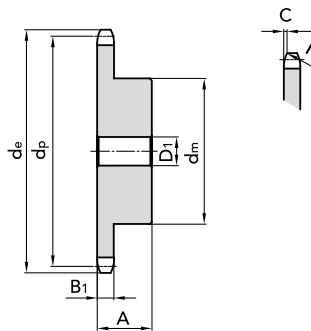
$r_3$  6,4 mm  
 $C$  0,7 mm  
 $B_1$  2,9 mm

## MATERIAL

MATERIAL C45 EN 10083

## CHAIN

Pitch 6,35 mm  
Inner width 3,18 mm  
Roller Ø 3,30 mm



### Simple - Semplici

| Z  | $d_e$ | $d_p$ | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|-------|-------|----------|-------|-------|----|------|
| 8  | 19,40 | 16,58 | 10107008 | 10    | 6     | 12 | 0,01 |
| 9  | 21,40 | 18,56 | 10107009 | 11,5  | 6     | 12 | 0,01 |
| 10 | 23,30 | 20,55 | 10107010 | 13    | 6     | 12 | 0,02 |
| 11 | 25,30 | 22,54 | 10107011 | 15    | 8     | 13 | 0,02 |
| 12 | 27,30 | 24,53 | 10107012 | 17    | 8     | 13 | 0,02 |
| 13 | 29,30 | 26,53 | 10107013 | 17    | 8     | 13 | 0,03 |
| 14 | 31,30 | 28,53 | 10107014 | 17    | 8     | 13 | 0,03 |
| 15 | 33,30 | 30,53 | 10107015 | 20    | 8     | 13 | 0,04 |
| 16 | 35,30 | 32,55 | 10107016 | 22    | 8     | 14 | 0,05 |
| 17 | 37,30 | 34,55 | 10107017 | 22    | 8     | 14 | 0,05 |
| 18 | 39,40 | 36,56 | 10107018 | 25    | 8     | 14 | 0,06 |
| 19 | 41,40 | 38,58 | 10107019 | 25    | 8     | 14 | 0,06 |
| 20 | 43,40 | 40,58 | 10107020 | 25    | 8     | 14 | 0,06 |
| 21 | 45,40 | 42,60 | 10107021 | 30    | 8     | 14 | 0,08 |
| 22 | 47,40 | 44,62 | 10107022 | 30    | 8     | 14 | 0,09 |
| 23 | 49,40 | 46,63 | 10107023 | 30    | 8     | 14 | 0,09 |
| 24 | 51,40 | 48,64 | 10107024 | 30    | 8     | 14 | 0,09 |
| 25 | 53,50 | 50,66 | 10107025 | 30    | 8     | 14 | 0,10 |
| 26 | 55,50 | 52,67 | 10107026 | 30    | 8     | 16 | 0,11 |
| 27 | 57,50 | 54,69 | 10107027 | 30    | 8     | 16 | 0,12 |
| 28 | 59,50 | 56,71 | 10107028 | 30    | 8     | 16 | 0,12 |
| 29 | 61,50 | 58,73 | 10107029 | 30    | 8     | 16 | 0,12 |
| 30 | 63,60 | 60,75 | 10107030 | 30    | 8     | 16 | 0,13 |
| 31 | 65,60 | 62,76 | 10107031 | 30    | 8     | 16 | 0,13 |
| 32 | 67,60 | 64,78 | 10107032 | 30    | 8     | 16 | 0,13 |
| 33 | 69,60 | 66,80 | 10107033 | 30    | 8     | 16 | 0,14 |
| 34 | 71,60 | 68,82 | 10107034 | 30    | 8     | 16 | 0,17 |
| 35 | 73,60 | 70,84 | 10107035 | 30    | 8     | 16 | 0,17 |
| 36 | 75,60 | 72,85 | 10107036 | 30    | 8     | 16 | 0,15 |
| 37 | 77,70 | 74,87 | 10107037 | 30    | 8     | 16 | 0,18 |
| 38 | 79,70 | 76,89 | 10107038 | 30    | 8     | 16 | 0,16 |
| 39 | 81,70 | 78,91 | 10107039 | 30    | 8     | 16 | 0,19 |
| 40 | 83,70 | 80,93 | 10107040 | 30    | 8     | 16 | 0,17 |





## 8x3mm (05-B)

### CHAIN SPROCKETS

|       |        |
|-------|--------|
| $r_3$ | 8,0 mm |
| $C$   | 1,0 mm |
| $B_1$ | 2,8 mm |
| $b_1$ | 2,7 mm |
| $B_2$ | 8,3 mm |

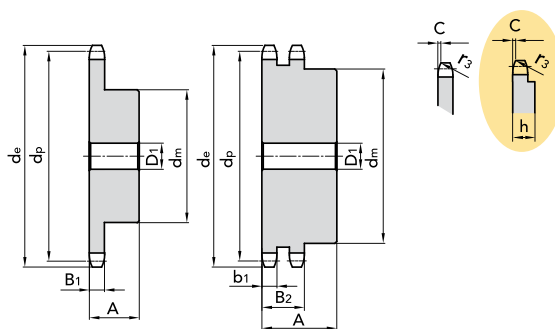
### MATERIAL

MATERIAL C45 EN 10083

WELDED HUB - MOZZO SALDATO

### CHAIN

|             |        |
|-------------|--------|
| Pitch       | 8,0 mm |
| Inner width | 3,0 mm |
| Roller Ø    | 5,0 mm |

From **Z 57** to **Z 76** the width disk wheel is increased to **h = 4mm**

| Simple - Semplici 05B-1 |        |        |          |       |       |    |      |
|-------------------------|--------|--------|----------|-------|-------|----|------|
| Z                       | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
| 8                       | 24,00  | 20,90  | 10108008 | 13    | 6     | 12 | 0,01 |
| 9                       | 26,60  | 23,39  | 10108009 | 15    | 6     | 12 | 0,02 |
| 10                      | 29,20  | 25,89  | 10108010 | 17    | 8     | 12 | 0,02 |
| 11                      | 31,70  | 28,39  | 10108011 | 18    | 8     | 13 | 0,03 |
| 12                      | 34,20  | 30,91  | 10108012 | 20    | 8     | 13 | 0,04 |
| 13                      | 36,70  | 33,43  | 10108013 | 23    | 8     | 13 | 0,05 |
| 14                      | 39,20  | 35,95  | 10108014 | 25    | 8     | 13 | 0,05 |
| 15                      | 41,70  | 38,48  | 10108015 | 28    | 8     | 13 | 0,07 |
| 16                      | 44,30  | 41,01  | 10108016 | 30    | 8     | 14 | 0,08 |
| 17                      | 46,80  | 43,53  | 10108017 | 30    | 8     | 14 | 0,09 |
| 18                      | 49,30  | 46,07  | 10108018 | 30    | 8     | 14 | 0,09 |
| 19                      | 51,90  | 48,61  | 10108019 | 30    | 8     | 14 | 0,09 |
| 20                      | 54,40  | 51,14  | 10108020 | 30    | 8     | 14 | 0,10 |
| 21                      | 57,00  | 53,68  | 10108021 | 35    | 8     | 14 | 0,12 |
| 22                      | 59,50  | 56,21  | 10108022 | 35    | 8     | 14 | 0,13 |
| 23                      | 62,00  | 58,75  | 10108023 | 35    | 8     | 14 | 0,13 |
| 24                      | 64,60  | 61,29  | 10108024 | 35    | 8     | 14 | 0,14 |
| 25                      | 67,50  | 63,83  | 10108025 | 35    | 8     | 14 | 0,15 |
| 26                      | 69,50  | 66,37  | 10108026 | 40    | 10    | 16 | 0,19 |
| 27                      | 72,20  | 68,91  | 10108027 | 40    | 10    | 16 | 0,20 |
| 28                      | 74,80  | 71,45  | 10108028 | 40    | 10    | 16 | 0,21 |
| 29                      | 77,30  | 73,99  | 10108029 | 40    | 10    | 16 | 0,22 |
| 30                      | 79,80  | 76,53  | 10108030 | 40    | 10    | 16 | 0,22 |
| 31                      | 82,40  | 79,08  | 10108031 | 40    | 10    | 16 | 0,22 |
| 32                      | 84,90  | 81,61  | 10108032 | 40    | 10    | 16 | 0,23 |
| 33                      | 87,50  | 84,16  | 10108033 | 40    | 10    | 16 | 0,24 |
| 34                      | 90,00  | 86,70  | 10108034 | 40    | 10    | 16 | 0,25 |
| 35                      | 92,50  | 89,25  | 10108035 | 40    | 10    | 16 | 0,25 |
| 36                      | 95,00  | 91,79  | 10108036 | 40    | 10    | 16 | 0,26 |
| 37                      | 97,60  | 94,33  | 10108037 | 40    | 10    | 16 | 0,27 |
| 38                      | 100,20 | 96,88  | 10108038 | 40    | 10    | 16 | 0,28 |
| 39                      | 102,70 | 99,42  | 10108039 | 40    | 10    | 16 | 0,29 |
| 40                      | 105,30 | 101,97 | 10108040 | 40    | 10    | 16 | 0,58 |
| 45                      | 118,00 | 114,69 | 10108045 | 60    | 12    | 20 | 0,67 |
| 48                      | 125,6  | 122,32 | 10108048 | 60    | 12    | 20 | 0,63 |
| 50                      | 130,70 | 127,41 | 10108050 | 60    | 12    | 20 | 1,00 |
| 57                      | 148,60 | 145,22 | 10108057 | 80    | 14    | 20 | 1,53 |
| 76                      | 197,70 | 193,59 | 10108076 | 80    | 20    | 25 | 1,94 |

| Double - Doppi 05B-2 |       |       |    |      |  |
|----------------------|-------|-------|----|------|--|
| CODE                 | $d_m$ | $D_1$ | A  | kg.  |  |
| 10208008             | 12    | 6     | 18 | 0,02 |  |
| 10208009             | 15    | 6     | 18 | 0,03 |  |
| 10208010             | 17    | 8     | 18 | 0,03 |  |
| 10208011             | 19    | 10    | 18 | 0,04 |  |
| 10208012             | 21    | 10    | 18 | 0,05 |  |
| 10208013             | 24    | 10    | 18 | 0,07 |  |
| 10208014             | 26    | 10    | 18 | 0,08 |  |
| 10208015             | 29    | 10    | 18 | 0,10 |  |
| 10208016             | 32    | 10    | 20 | 0,13 |  |
| 10208017             | 34    | 10    | 20 | 0,15 |  |
| 10208018             | 37    | 10    | 20 | 0,17 |  |
| 10208019             | 39    | 10    | 20 | 0,20 |  |
| 10208020             | 40    | 10    | 20 | 0,21 |  |
| 10208021             | 40    | 10    | 20 | 0,25 |  |
| 10208022             | 40    | 10    | 20 | 0,26 |  |
| 10208023             | 40    | 10    | 20 | 0,28 |  |
| 10208024             | 40    | 10    | 20 | 0,23 |  |
| 10208025             | 40    | 10    | 20 | 0,31 |  |
| 10208026             | 50    | 12    | 22 | 0,38 |  |
| 10208027             | 50    | 12    | 22 | 0,40 |  |
| 10208028             | 50    | 12    | 22 | 0,42 |  |
| 10208029             | 50    | 12    | 22 | 0,44 |  |
| 10208030             | 50    | 12    | 22 | 0,45 |  |
| 10208031             | 60    | 12    | 22 | 0,58 |  |
| 10208032             | 60    | 12    | 22 | 0,59 |  |
| 10208033             | 60    | 12    | 22 | 0,62 |  |
| 10208034             | 60    | 12    | 22 | 0,64 |  |
| 10208035             | 60    | 12    | 22 | 0,65 |  |
| 10208036             | 60    | 12    | 22 | 0,67 |  |
| 10208037             | 60    | 12    | 22 | 0,71 |  |
| 10208038             | 60    | 12    | 22 | 0,72 |  |
| 10208039             | 60    | 12    | 22 | 0,74 |  |
| 10208040             | 60    | 12    | 22 | 0,77 |  |



## 3/8"x7/32" (06-B)

### CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 10,0 mm |
| $C$   | 1,0 mm  |
| $B_1$ | 5,3 mm  |
| $b_1$ | 5,2 mm  |
| $B_2$ | 15,4 mm |
| $B_3$ | 25,6 mm |

### CHAIN

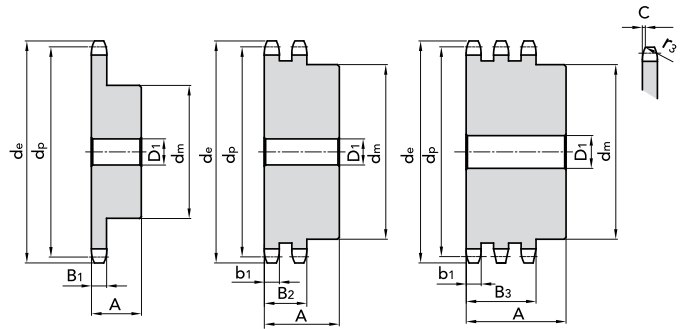
|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 5,72 mm  |
| Roller Ø    | 6,35 mm  |

### MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 06-B-1 |        |        |          |       |       |    |      |
|--------------------------|--------|--------|----------|-------|-------|----|------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
| 8                        | 28,54  | 24,89  | 10109008 | 15    | 8     | 22 | 0,03 |
| 9                        | 31,50  | 27,85  | 10109009 | 18    | 8     | 22 | 0,04 |
| 10                       | 34,47  | 30,82  | 10109010 | 20    | 8     | 22 | 0,05 |
| 11                       | 37,46  | 33,81  | 10109011 | 22    | 8     | 25 | 0,08 |
| 12                       | 40,45  | 36,80  | 10109012 | 25    | 8     | 25 | 0,10 |
| 13                       | 43,45  | 39,80  | 10109013 | 28    | 10    | 25 | 0,13 |
| 14                       | 46,45  | 42,80  | 10109014 | 31    | 10    | 25 | 0,16 |
| 15                       | 49,46  | 45,81  | 10109015 | 34    | 10    | 25 | 0,19 |
| 16                       | 52,47  | 48,82  | 10109016 | 37    | 10    | 28 | 0,24 |
| 17                       | 55,49  | 51,84  | 10109017 | 40    | 10    | 28 | 0,28 |
| 18                       | 58,50  | 54,85  | 10109018 | 43    | 10    | 28 | 0,33 |
| 19                       | 61,52  | 57,87  | 10109019 | 45    | 10    | 28 | 0,36 |
| 20                       | 64,54  | 60,89  | 10109020 | 46    | 10    | 28 | 0,39 |
| 21                       | 67,56  | 63,91  | 10109021 | 48    | 12    | 28 | 0,42 |
| 22                       | 70,58  | 66,93  | 10109022 | 50    | 12    | 28 | 0,46 |
| 23                       | 73,60  | 69,95  | 10109023 | 52    | 12    | 28 | 0,50 |
| 24                       | 76,62  | 72,97  | 10109024 | 54    | 12    | 28 | 0,54 |
| 25                       | 79,65  | 76,00  | 10109025 | 57    | 12    | 28 | 0,60 |
| 26                       | 82,67  | 79,02  | 10109026 | 60    | 12    | 28 | 0,66 |
| 27                       | 85,70  | 82,05  | 10109027 | 60    | 12    | 28 | 0,67 |
| 28                       | 88,72  | 85,07  | 10109028 | 60    | 12    | 28 | 0,69 |
| 29                       | 91,75  | 88,10  | 10109029 | 60    | 12    | 28 | 0,70 |
| 30                       | 94,77  | 91,12  | 10109030 | 60    | 12    | 30 | 0,72 |
| 31                       | 97,80  | 94,15  | 10109031 | 65    | 14    | 30 | 0,87 |
| 32                       | 100,83 | 97,18  | 10109032 | 65    | 14    | 30 | 0,89 |
| 33                       | 103,85 | 100,20 | 10109033 | 65    | 14    | 30 | 0,91 |
| 34                       | 106,88 | 103,23 | 10109034 | 65    | 14    | 30 | 0,92 |
| 35                       | 109,91 | 106,26 | 10109035 | 65    | 14    | 30 | 0,95 |
| 36                       | 112,94 | 109,29 | 10109036 | 70    | 16    | 30 | 1,05 |
| 37                       | 115,97 | 112,32 | 10109037 | 70    | 16    | 30 | 1,09 |
| 38                       | 118,99 | 115,34 | 10109038 | 70    | 16    | 30 | 1,10 |
| 39                       | 122,02 | 118,37 | 10109039 | 70    | 16    | 30 | 1,12 |
| 40                       | 125,05 | 121,40 | 10109040 | 70    | 16    | 30 | 1,14 |
| 42                       | 131,11 | 127,46 | 10109042 | 80    | 16    | 35 | 1,56 |
| 45                       | 140,20 | 136,55 | 10109045 | 80    | 16    | 35 | 1,66 |
| 48                       | 149,29 | 145,64 | 10109048 | 80    | 16    | 35 | 1,75 |
| 50                       | 155,34 | 151,69 | 10109050 | 80    | 16    | 35 | 1,80 |
| 57                       | 176,56 | 172,91 | 10109057 | 80    | 16    | 35 | 1,96 |
| 60                       | 185,65 | 182,00 | 10109060 | 80    | 16    | 35 | 2,03 |
| 76                       | 234,14 | 230,49 | 10109076 | 80    | 20    | 35 | 2,67 |

| Double - Doppi 06-B-2 |       |       |    |      |  |
|-----------------------|-------|-------|----|------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.  |  |
| 10209008              | 15    | 6     | 22 | 0,04 |  |
| 10209009              | 18    | 8     | 22 | 0,05 |  |
| 10209010              | 20    | 8     | 22 | 0,07 |  |
| 10209011              | 22    | 10    | 25 | 0,10 |  |
| 10209012              | 25    | 10    | 25 | 0,13 |  |
| 10209013              | 28    | 10    | 25 | 0,16 |  |
| 10209014              | 31    | 10    | 25 | 0,20 |  |
| 10209015              | 34    | 10    | 25 | 0,24 |  |
| 10209016              | 37    | 12    | 30 | 0,27 |  |
| 10209017              | 40    | 12    | 30 | 0,32 |  |
| 10209018              | 43    | 12    | 30 | 0,38 |  |
| 10209019              | 46    | 12    | 30 | 0,42 |  |
| 10209020              | 49    | 12    | 30 | 0,48 |  |
| 10209021              | 52    | 12    | 30 | 0,52 |  |
| 10209022              | 55    | 12    | 30 | 0,58 |  |
| 10209023              | 58    | 12    | 30 | 0,64 |  |
| 10209024              | 61    | 12    | 30 | 0,71 |  |
| 10209025              | 64    | 12    | 30 | 0,79 |  |
| 10209026              | 67    | 12    | 30 | 0,87 |  |
| 10209027              | 70    | 12    | 30 | 0,94 |  |
| 10209028              | 73    | 12    | 30 | 1,03 |  |
| 10209029              | 76    | 12    | 30 | 1,11 |  |
| 10209030              | 79    | 12    | 30 | 1,20 |  |
| 10209031              | 80    | 16    | 30 | 1,27 |  |
| 10209032              | 80    | 16    | 30 | 1,32 |  |
| 10209033              | 80    | 16    | 30 | 1,37 |  |
| 10209034              | 80    | 16    | 30 | 1,43 |  |
| 10209035              | 80    | 16    | 30 | 1,49 |  |
| 10209036              | 90    | 16    | 30 | 1,70 |  |
| 10209037              | 90    | 16    | 30 | 1,76 |  |
| 10209038              | 90    | 16    | 30 | 1,81 |  |
| 10209039              | 90    | 16    | 30 | 1,88 |  |
| 10209040              | 90    | 16    | 30 | 1,95 |  |
| 10209042              | 90    | 16    | 40 | 2,44 |  |
| 10209045              | 90    | 16    | 40 | 3,15 |  |
| 10209048              | 90    | 16    | 40 | 3,43 |  |
| 10209050              | 90    | 16    | 40 | 3,53 |  |
| 10209057              | 90    | 16    | 40 | 4,16 |  |
| 10209060              | 90    | 16    | 40 | 4,45 |  |
| 10209076              | 90    | 20    | 40 | 6,23 |  |

| Triple - Tripli 06-B-3 |       |       |    |      |  |
|------------------------|-------|-------|----|------|--|
| CODE                   | $d_m$ | $D_1$ | A  | kg.  |  |
| 10309008               | 15    | 6     | 32 | 0,05 |  |
| 10309009               | 18    | 8     | 32 | 0,06 |  |
| 10309010               | 20    | 10    | 32 | 0,09 |  |
| 10309011               | 22    | 10    | 35 | 0,11 |  |
| 10309012               | 25    | 10    | 35 | 0,15 |  |
| 10309013               | 28    | 10    | 35 | 0,18 |  |
| 10309014               | 31    | 12    | 35 | 0,23 |  |
| 10309015               | 34    | 12    | 35 | 0,27 |  |
| 10309016               | 37    | 12    | 35 | 0,35 |  |
| 10309017               | 40    | 12    | 35 | 0,40 |  |
| 10309018               | 43    | 12    | 35 | 0,45 |  |
| 10309019               | 46    | 12    | 35 | 0,50 |  |
| 10309020               | 49    | 12    | 35 | 0,55 |  |
| 10309021               | 52    | 14    | 40 | 0,70 |  |
| 10309022               | 55    | 14    | 40 | 0,80 |  |
| 10309023               | 58    | 14    | 40 | 0,90 |  |
| 10309024               | 61    | 14    | 40 | 0,98 |  |
| 10309025               | 64    | 14    | 40 | 1,05 |  |
| 10309026               | 67    | 14    | 40 | 1,15 |  |
| 10309027               | 70    | 14    | 40 | 1,25 |  |
| 10309028               | 73    | 14    | 40 | 1,35 |  |
| 10309029               | 76    | 14    | 40 | 1,46 |  |
| 10309030               | 79    | 14    | 40 | 1,60 |  |
| 10309031               | 80    | 16    | 40 | 1,70 |  |
| 10309032               | 80    | 16    | 40 | 1,77 |  |
| 10309033               | 80    | 16    | 40 | 1,85 |  |
| 10309034               | 85    | 16    | 40 | 2,00 |  |
| 10309035               | 85    | 16    | 40 | 2,15 |  |
| 10309036               | 90    | 16    | 40 | 2,25 |  |
| 10309037               | 90    | 16    | 40 | 2,30 |  |
| 10309038               | 90    | 16    | 40 | 2,55 |  |
| 10309039               | 90    | 16    | 40 | 2,65 |  |
| 10309040               | 90    | 16    | 40 | 2,80 |  |
| 10309045               | 90    | 16    | 56 | 4,72 |  |
| 10309050               | 90    | 16    | 56 | 5,29 |  |
| 10309057               | 90    | 16    | 56 | 6,24 |  |
| 10309060               | 90    | 20    | 56 | 6,67 |  |
| 10309076               | 100   | 20    | 56 | 9,34 |  |



# 1/2"x1/8" (081)

## CHAIN SPROCKETS

$r_3$  13 mm  
 $C$  1,0 mm  
 $B_1$  3,0 mm

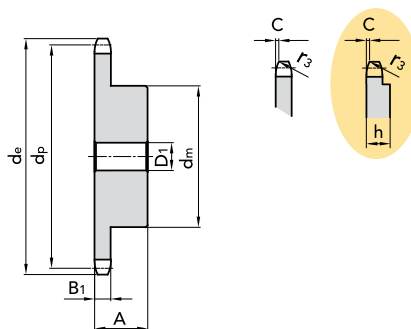
## MATERIAL

MATERIAL C45 EN 10083

## CHAIN

Pitch 12,7 mm  
 Inner width 3,30 mm  
 Roller Ø 7,75 mm

From **Z 31** the width disk wheel is increased to **h = 5mm**



Simple - Semplici 081

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|--------|--------|----------|-------|-------|----|------|
| 8  | 38,44  | 33,18  | 10110008 | 21    | 8     | 14 | 0,04 |
| 9  | 42,38  | 37,13  | 10110009 | 25    | 8     | 14 | 0,06 |
| 10 | 46,35  | 41,10  | 10110010 | 28    | 8     | 14 | 0,07 |
| 11 | 50,33  | 45,07  | 10110011 | 31    | 8     | 16 | 0,10 |
| 12 | 54,32  | 49,07  | 10110012 | 35    | 8     | 16 | 0,13 |
| 13 | 58,32  | 53,06  | 10110013 | 39    | 8     | 16 | 0,16 |
| 14 | 62,32  | 57,07  | 10110014 | 43    | 8     | 16 | 0,19 |
| 15 | 66,33  | 61,09  | 10110015 | 47    | 8     | 16 | 0,23 |
| 16 | 70,35  | 65,10  | 10110016 | 50    | 10    | 18 | 0,29 |
| 17 | 74,37  | 69,11  | 10110017 | 50    | 10    | 18 | 0,30 |
| 18 | 78,39  | 73,14  | 10110018 | 50    | 10    | 18 | 0,31 |
| 19 | 82,41  | 77,16  | 10110019 | 50    | 10    | 18 | 0,32 |
| 20 | 86,43  | 81,19  | 10110020 | 50    | 10    | 18 | 0,33 |
| 21 | 90,46  | 85,22  | 10110021 | 60    | 12    | 20 | 0,48 |
| 22 | 94,49  | 89,24  | 10110022 | 60    | 12    | 20 | 0,49 |
| 23 | 98,52  | 93,27  | 10110023 | 60    | 12    | 20 | 0,51 |
| 24 | 102,55 | 97,29  | 10110024 | 60    | 12    | 20 | 0,52 |
| 25 | 106,58 | 101,33 | 10110025 | 60    | 12    | 20 | 0,53 |
| 26 | 110,61 | 105,36 | 10110026 | 70    | 16    | 20 | 0,67 |
| 27 | 114,65 | 109,40 | 10110027 | 70    | 16    | 20 | 0,69 |
| 28 | 118,68 | 113,42 | 10110028 | 70    | 16    | 20 | 0,70 |
| 29 | 122,71 | 117,46 | 10110029 | 70    | 16    | 20 | 0,72 |
| 30 | 126,75 | 121,50 | 10110030 | 70    | 16    | 20 | 0,74 |
| 31 | 130,76 | 125,54 | 10110031 | 70    | 16    | 20 | 0,76 |
| 32 | 134,82 | 129,56 | 10110032 | 70    | 16    | 20 | 0,77 |
| 33 | 138,86 | 133,60 | 10110033 | 70    | 16    | 20 | 0,79 |
| 34 | 142,89 | 137,64 | 10110034 | 70    | 16    | 20 | 0,81 |
| 35 | 146,93 | 141,68 | 10110035 | 70    | 16    | 20 | 0,83 |
| 36 | 150,97 | 145,72 | 10110036 | 70    | 16    | 25 | 1,00 |
| 37 | 155,00 | 149,76 | 10110037 | 70    | 16    | 25 | 1,02 |
| 38 | 159,04 | 153,80 | 10110038 | 70    | 16    | 25 | 1,04 |
| 39 | 163,08 | 157,83 | 10110039 | 70    | 16    | 25 | 1,06 |
| 40 | 167,12 | 161,87 | 10110040 | 70    | 16    | 25 | 1,09 |



## 1/2"x3/16" (083/084)

### CHAIN SPROCKETS

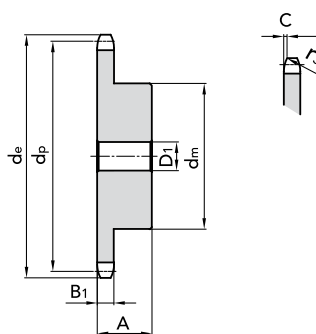
$r_3$  13,0 mm  
 $C$  1,3 mm  
 $B_1$  4,5 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

Pitch 12,7 mm  
Inner width 4,88 mm  
Roller Ø 7,75 mm



Simple - Semplici 083/084

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|--------|--------|----------|-------|-------|----|------|
| 8  | 38,50  | 33,18  | 10111008 | 21    | 8     | 14 | 0,02 |
| 9  | 41,50  | 37,13  | 10111009 | 25    | 8     | 14 | 0,03 |
| 10 | 46,20  | 41,10  | 10111010 | 28    | 8     | 14 | 0,04 |
| 11 | 49,60  | 45,07  | 10111011 | 31    | 8     | 16 | 0,05 |
| 12 | 53,90  | 49,07  | 10111012 | 35    | 8     | 16 | 0,05 |
| 13 | 58,40  | 53,06  | 10111013 | 39    | 8     | 16 | 0,06 |
| 14 | 62,80  | 57,07  | 10111014 | 43    | 8     | 16 | 0,08 |
| 15 | 66,80  | 61,09  | 10111015 | 47    | 8     | 16 | 0,09 |
| 16 | 70,90  | 65,10  | 10111016 | 50    | 10    | 18 | 0,10 |
| 17 | 74,90  | 69,11  | 10111017 | 50    | 10    | 18 | 0,12 |
| 18 | 78,90  | 73,14  | 10111018 | 50    | 10    | 18 | 0,13 |
| 19 | 82,90  | 77,16  | 10111019 | 50    | 10    | 18 | 0,15 |
| 20 | 86,90  | 81,19  | 10111020 | 50    | 10    | 18 | 0,16 |
| 21 | 91,00  | 85,22  | 10111021 | 60    | 12    | 20 | 0,18 |
| 22 | 95,00  | 89,24  | 10111022 | 60    | 12    | 20 | 0,20 |
| 23 | 99,00  | 93,27  | 10111023 | 60    | 12    | 20 | 0,22 |
| 24 | 103,00 | 97,29  | 10111024 | 60    | 12    | 20 | 0,24 |
| 25 | 107,10 | 101,33 | 10111025 | 60    | 12    | 20 | 0,26 |
| 26 | 111,20 | 105,36 | 10111026 | 70    | 16    | 20 | 0,28 |
| 27 | 115,40 | 109,40 | 10111027 | 70    | 16    | 20 | 0,30 |
| 28 | 119,40 | 113,42 | 10111028 | 70    | 16    | 20 | 0,33 |
| 29 | 123,40 | 117,46 | 10111029 | 70    | 16    | 20 | 0,35 |
| 30 | 127,50 | 121,50 | 10111030 | 70    | 16    | 20 | 0,38 |
| 31 | 131,50 | 125,54 | 10111031 | 70    | 16    | 20 | 0,40 |
| 32 | 135,50 | 129,56 | 10111032 | 70    | 16    | 20 | 0,43 |
| 33 | 139,60 | 133,60 | 10111033 | 70    | 16    | 20 | 0,46 |
| 34 | 143,60 | 137,64 | 10111034 | 70    | 16    | 20 | 0,49 |
| 35 | 147,60 | 141,68 | 10111035 | 70    | 16    | 20 | 0,52 |
| 36 | 151,70 | 145,72 | 10111036 | 70    | 16    | 25 | 0,55 |
| 37 | 155,70 | 149,76 | 10111037 | 70    | 16    | 25 | 0,58 |
| 38 | 159,80 | 153,80 | 10111038 | 70    | 16    | 25 | 0,62 |
| 39 | 163,80 | 157,83 | 10111039 | 70    | 16    | 25 | 0,65 |
| 40 | 167,80 | 161,87 | 10111040 | 70    | 16    | 25 | 0,68 |





# 1/2"x1/4" RULLO 7.75 (085)

## CHAIN SPROCKETS

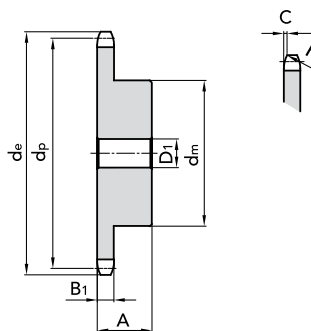
$r_3$  13,0 mm  
C 1,3 mm  
B<sub>1</sub> 5,9 mm

## MATERIAL

MATERIAL C45 EN 10083

## CHAIN

Pitch 12,7 mm  
Inner width 6,40 mm  
Roller Ø 7,75 mm



## Simple - Semplici 085

| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |
|----|----------------|----------------|----------|----------------|----------------|----|------|
| 15 |                |                |          |                |                |    |      |
| 16 |                |                |          |                |                |    |      |
| 17 | 74,37          | 69,11          | 10113017 | 52             | 8              | 28 | 0,51 |
| 21 | 90,46          | 85,22          | 10113021 | 68             | 8              | 28 | 0,83 |
| 22 | 94,49          | 89,24          | 10113022 | 70             | 8              | 28 | 0,90 |
| 23 | 98,52          | 93,27          | 10113023 | 70             | 8              | 28 | 0,94 |
| 25 |                |                |          |                |                |    |      |
| 26 | 110,61         | 105,36         | 10113026 | 70             | 8              | 30 | 1,09 |
| 27 |                |                |          |                |                |    |      |
| 28 | 118,68         | 113,42         | 10113028 | 70             | 10             | 30 | 1,13 |
| 29 |                |                |          |                |                |    |      |
| 30 | 126,75         | 121,50         | 10113030 | 80             | 10             | 30 | 1,41 |
| 31 | 130,78         | 125,54         | 10113031 | 90             | 10             | 30 | 1,22 |
| 32 |                |                |          |                |                |    |      |
| 33 |                |                |          |                |                |    |      |
| 34 | 142,89         | 137,64         | 10113034 | 90             | 10             | 30 | 1,83 |
| 35 | 146,93         | 141,68         | 10113035 | 90             | 10             | 30 | 1,89 |
| 36 | 150,97         | 145,72         | 10113036 | 90             | 10             | 30 | 2,14 |
| 38 | 159,04         | 153,80         | 10113038 | 90             | 12             | 35 | 2,22 |
| 39 |                |                |          |                |                |    |      |
| 40 |                |                |          |                |                |    |      |



## 1/2"x1/4" RULLO 8.51 (085)

### CHAIN SPROCKETS

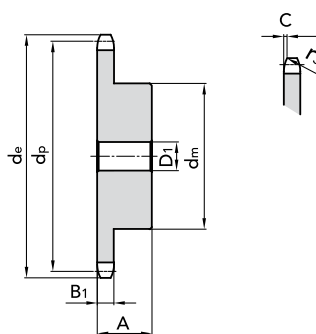
$r_3$  13,0 mm  
 $C$  1,3 mm  
 $B_1$  5,9 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

Pitch 12,7 mm  
Inner width 6,40 mm  
Roller Ø 8,51 mm



Simple - Semplici 085

| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |
|----|----------------|----------------|----------|----------------|----------------|----|------|
| 8  | 37,68          | 33,19          | 10114008 | 20             | 8              | 25 | 0,45 |
| 9  | 41,62          | 37,13          | 10114009 | 24             | 8              | 25 | 0,48 |
| 11 |                |                |          |                |                |    |      |
| 15 | 65,57          | 61,08          | 10114015 | 45             | 8              | 28 | 0,53 |
| 16 |                |                |          |                |                |    |      |
| 17 |                |                |          |                |                |    |      |
| 19 | 81,65          | 77,16          | 10114019 | 60             | 8              | 28 | 0,59 |
| 21 |                |                |          |                |                |    |      |
| 22 | 93,73          | 89,24          | 10114022 | 70             | 10             | 28 | 0,78 |
| 23 | 97,76          | 93,27          | 10114023 | 70             | 10             | 28 | 0,91 |
| 25 | 105,82         | 101,33         | 10114025 | 70             | 10             | 28 | 0,98 |
| 26 | 109,85         | 105,36         | 10114026 | 70             | 10             | 30 | 1,01 |
| 27 | 113,89         | 109,40         | 10114027 | 70             | 10             | 30 | 1,04 |
| 28 | 117,92         | 113,43         | 10114028 | 70             | 10             | 30 | 1,18 |
| 29 | 121,95         | 117,46         | 10114029 | 80             | 10             | 30 | 1,25 |
| 30 |                |                |          |                |                |    |      |
| 31 | 130,02         | 125,53         | 10114031 | 90             | 10             | 30 | 1,39 |
| 32 | 134,06         | 129,57         | 10114032 | 90             | 10             | 30 | 1,44 |
| 33 | 138,10         | 133,61         | 10114033 | 90             | 12             | 30 | 1,49 |
| 34 |                |                |          |                |                |    |      |
| 35 |                |                |          |                |                |    |      |
| 36 | 150,21         | 145,72         | 10114036 | 90             | 12             | 35 | 1,64 |
| 38 | 158,28         | 153,79         | 10114038 | 90             | 12             | 35 | 1,66 |
| 39 |                |                |          |                |                |    |      |
| 40 | 166,36         | 161,87         | 10114040 | 90             | 12             | 35 | 1,78 |







# 1/2"x5/16" (08-B)

## CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 13,0 mm |
| $C$   | 1,3 mm  |
| $B_1$ | 7,2 mm  |
| $b_1$ | 7,0 mm  |
| $B_2$ | 21,0 mm |
| $B_3$ | 34,9 mm |

## CHAIN

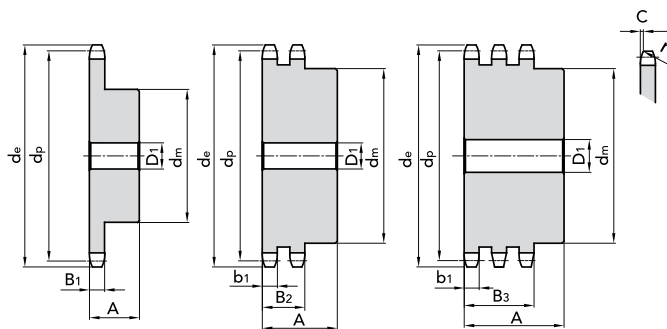
|             |         |
|-------------|---------|
| Pitch       | 12,7 mm |
| Inner width | 7,75 mm |
| Roller Ø    | 8,51 mm |

## MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



## Simple - Semplici 08-B-1

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|--------|--------|----------|-------|-------|----|------|
| 8  | 37,68  | 33,18  | 10112008 | 20    | 10    | 25 | 0,06 |
| 9  | 41,62  | 37,13  | 10112009 | 24    | 10    | 25 | 0,09 |
| 10 | 45,59  | 41,10  | 10112010 | 26    | 10    | 25 | 0,12 |
| 11 | 49,57  | 45,07  | 10112011 | 29    | 10    | 25 | 0,15 |
| 12 | 53,56  | 49,07  | 10112012 | 33    | 10    | 28 | 0,21 |
| 13 | 57,56  | 53,06  | 10112013 | 37    | 10    | 28 | 0,26 |
| 14 | 61,56  | 57,07  | 10112014 | 41    | 10    | 28 | 0,32 |
| 15 | 65,57  | 61,09  | 10112015 | 45    | 10    | 28 | 0,38 |
| 16 | 69,59  | 65,10  | 10112016 | 50    | 12    | 28 | 0,46 |
| 17 | 73,61  | 69,11  | 10112017 | 52    | 12    | 28 | 0,51 |
| 18 | 77,63  | 73,14  | 10112018 | 56    | 12    | 28 | 0,59 |
| 19 | 81,65  | 77,16  | 10112019 | 60    | 12    | 28 | 0,67 |
| 20 | 85,67  | 81,19  | 10112020 | 64    | 12    | 28 | 0,76 |
| 21 | 89,70  | 85,22  | 10112021 | 68    | 12    | 28 | 0,85 |
| 22 | 93,73  | 89,24  | 10112022 | 70    | 12    | 28 | 0,91 |
| 23 | 97,76  | 93,27  | 10112023 | 70    | 14    | 28 | 0,95 |
| 24 | 101,79 | 97,30  | 10112024 | 70    | 14    | 28 | 0,98 |
| 25 | 105,82 | 101,33 | 10112025 | 70    | 14    | 28 | 1,01 |
| 26 | 109,85 | 105,36 | 10112026 | 70    | 16    | 30 | 1,09 |
| 27 | 113,89 | 109,40 | 10112027 | 70    | 16    | 30 | 1,13 |
| 28 | 117,92 | 113,42 | 10112028 | 70    | 16    | 30 | 1,17 |
| 29 | 121,95 | 117,46 | 10112029 | 80    | 16    | 30 | 1,42 |
| 30 | 125,99 | 121,50 | 10112030 | 80    | 16    | 30 | 1,46 |
| 31 | 130,02 | 125,54 | 10112031 | 90    | 16    | 30 | 1,74 |
| 32 | 134,04 | 129,56 | 10112032 | 90    | 16    | 30 | 1,78 |
| 33 | 138,10 | 133,60 | 10112033 | 90    | 16    | 30 | 1,83 |
| 34 | 142,13 | 137,64 | 10112034 | 90    | 16    | 30 | 1,88 |
| 35 | 146,17 | 141,68 | 10112035 | 90    | 16    | 30 | 1,93 |
| 36 | 150,21 | 145,72 | 10112036 | 90    | 16    | 35 | 2,22 |
| 37 | 154,24 | 149,76 | 10112037 | 90    | 16    | 35 | 2,27 |
| 38 | 158,28 | 153,80 | 10112038 | 90    | 16    | 35 | 2,32 |
| 39 | 162,32 | 157,83 | 10112039 | 90    | 16    | 35 | 2,38 |
| 40 | 166,36 | 161,87 | 10112040 | 90    | 16    | 35 | 2,43 |
| 42 | 174,43 | 169,94 | 10112042 | 90    | 20    | 40 | 2,80 |
| 45 | 186,50 | 182,06 | 10112045 | 90    | 20    | 40 | 3,10 |
| 48 | 198,67 | 194,18 | 10112048 | 90    | 20    | 40 | 3,30 |
| 50 | 206,75 | 202,26 | 10112050 | 90    | 20    | 40 | 3,50 |
| 57 | 235,03 | 230,54 | 10112057 | 90    | 20    | 40 | 4,10 |
| 60 | 247,15 | 242,66 | 10112060 | 90    | 20    | 40 | 4,30 |
| 76 | 311,81 | 307,32 | 10112076 | 90    | 25    | 40 | 5,80 |

## Double - Doppi 08-B-2

| CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----------|-------|-------|----|------|
| 10212008 | 20    | 10    | 32 | 0,09 |
| 10212009 | 24    | 10    | 32 | 0,13 |
| 10212010 | 28    | 10    | 32 | 0,18 |
| 10212011 | 32    | 12    | 35 | 0,24 |
| 10212012 | 35    | 12    | 35 | 0,30 |
| 10212013 | 38    | 12    | 35 | 0,36 |
| 10212014 | 42    | 12    | 35 | 0,44 |
| 10212015 | 46    | 12    | 35 | 0,52 |
| 10212016 | 50    | 14    | 35 | 0,63 |
| 10212017 | 54    | 14    | 35 | 0,73 |
| 10212018 | 58    | 14    | 35 | 0,85 |
| 10212019 | 62    | 14    | 35 | 0,97 |
| 10212020 | 66    | 14    | 35 | 1,10 |
| 10212021 | 70    | 16    | 40 | 1,29 |
| 10212022 | 70    | 16    | 40 | 1,37 |
| 10212023 | 70    | 16    | 40 | 1,46 |
| 10212024 | 75    | 16    | 40 | 1,64 |
| 10212025 | 80    | 16    | 40 | 1,82 |
| 10212026 | 85    | 20    | 40 | 2,02 |
| 10212027 | 85    | 20    | 40 | 2,12 |
| 10212028 | 90    | 20    | 40 | 2,34 |
| 10212029 | 95    | 20    | 40 | 2,56 |
| 10212030 | 100   | 20    | 40 | 2,79 |
| 10212031 | 100   | 20    | 40 | 2,87 |
| 10212032 | 100   | 20    | 40 | 3,00 |
| 10212033 | 100   | 20    | 40 | 3,13 |
| 10212034 | 100   | 20    | 40 | 3,26 |
| 10212035 | 100   | 20    | 40 | 3,40 |
| 10212036 | 110   | 20    | 40 | 3,54 |
| 10212037 | 110   | 20    | 40 | 3,69 |
| 10212038 | 110   | 20    | 40 | 3,84 |
| 10212039 | 110   | 20    | 40 | 4,00 |
| 10212040 | 110   | 20    | 40 | 4,15 |
| 10212042 | 110   | 20    | 50 | 5,67 |
| 10212045 | 110   | 20    | 50 | 6,26 |
| 10212048 | 110   | 20    | 50 | 6,75 |
| 10212050 | 110   | 20    | 50 | 7,17 |
| 10212057 | 110   | 25    | 50 | 8,65 |
| 10212060 | 110   | 25    | 50 | 9,35 |
| 10212076 | 110   | 25    | 56 | 13,3 |

## Triple - Tripli 08-B-3

| CODE     | $d_m$ | $D_1$ | A  | kg.   |
|----------|-------|-------|----|-------|
| 10312008 | 20    | 10    | 46 | 0,13  |
| 10312009 | 24    | 12    | 46 | 0,18  |
| 10312010 | 28    | 12    | 46 | 0,24  |
| 10312011 | 32    | 14    | 50 | 0,31  |
| 10312012 | 35    | 14    | 50 | 0,39  |
| 10312013 | 38    | 14    | 50 | 0,49  |
| 10312014 | 42    | 14    | 50 | 0,60  |
| 10312015 | 46    | 14    | 50 | 0,72  |
| 10312016 | 50    | 16    | 50 | 0,85  |
| 10312017 | 54    | 16    | 50 | 0,99  |
| 10312018 | 58    | 16    | 50 | 1,14  |
| 10312019 | 62    | 16    | 50 | 1,30  |
| 10312020 | 66    | 16    | 50 | 1,47  |
| 10312021 | 70    | 20    | 55 | 1,79  |
| 10312022 | 70    | 20    | 55 | 1,93  |
| 10312023 | 70    | 20    | 55 | 2,08  |
| 10312024 | 75    | 20    | 55 | 2,32  |
| 10312025 | 80    | 20    | 55 | 2,57  |
| 10312026 | 85    | 20    | 55 | 2,79  |
| 10312027 | 85    | 20    | 55 | 2,96  |
| 10312028 | 90    | 20    | 55 | 3,25  |
| 10312029 | 95    | 20    | 55 | 3,55  |
| 10312030 | 100   | 20    | 55 | 3,86  |
| 10312031 | 110   | 20    | 55 | 4,42  |
| 10312032 | 110   | 20    | 55 | 4,53  |
| 10312033 | 110   | 20    | 55 | 4,74  |
| 10312034 | 110   | 20    | 55 | 4,97  |
| 10312035 | 110   | 20    | 55 | 5,20  |
| 10312036 | 120   | 25    | 55 | 5,64  |
| 10312037 | 120   | 25    | 55 | 5,88  |
| 10312038 | 120   | 25    | 55 | 6,14  |
| 10312039 | 120   | 25    | 55 | 6,40  |
| 10312040 | 120   | 25    | 55 | 6,66  |
| 10312045 | 110   | 25    | 60 | 9,12  |
| 10312050 | 110   | 25    | 60 | 10,74 |
| 10312057 | 110   | 25    | 60 | 13,26 |
| 10312060 | 110   | 25    | 60 | 14,40 |
| 10312076 | 110   | 25    | 60 | 21,78 |



## 5/8"x3/8" (10-B)

### CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 16,0 mm |
| $C$   | 1,6 mm  |
| $B_1$ | 9,1 mm  |
| $b_1$ | 9,0 mm  |
| $B_2$ | 25,5 mm |
| $B_3$ | 42,1 mm |

### CHAIN

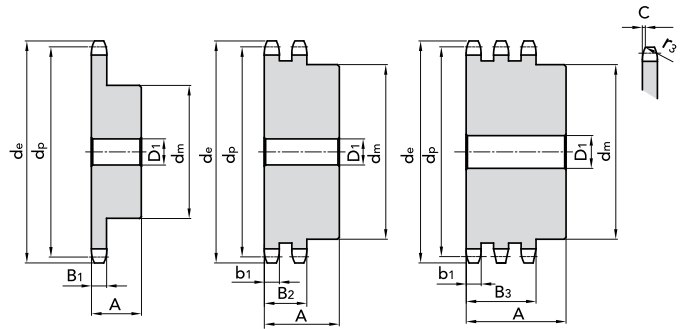
|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,65 mm   |
| Roller Ø    | 10,16 mm  |

### MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 10-B-1 |        |        |          |       |       |    |       |
|--------------------------|--------|--------|----------|-------|-------|----|-------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.   |
| 8                        | 48,32  | 41,48  | 10115008 | 25    | 10    | 25 | 0,12  |
| 9                        | 53,26  | 46,42  | 10115009 | 30    | 10    | 25 | 0,16  |
| 10                       | 58,21  | 51,37  | 10115010 | 35    | 10    | 25 | 0,22  |
| 11                       | 63,19  | 56,35  | 10115011 | 37    | 12    | 30 | 0,29  |
| 12                       | 68,18  | 61,34  | 10115012 | 42    | 12    | 30 | 0,37  |
| 13                       | 73,17  | 66,33  | 10115013 | 47    | 12    | 30 | 0,46  |
| 14                       | 78,18  | 71,34  | 10115014 | 52    | 12    | 30 | 0,56  |
| 15                       | 83,19  | 76,35  | 10115015 | 57    | 12    | 30 | 0,67  |
| 16                       | 88,21  | 81,37  | 10115016 | 60    | 12    | 30 | 0,76  |
| 17                       | 93,23  | 86,39  | 10115017 | 60    | 12    | 30 | 0,88  |
| 18                       | 98,26  | 91,42  | 10115018 | 70    | 14    | 30 | 1,01  |
| 19                       | 103,29 | 96,45  | 10115019 | 70    | 14    | 30 | 1,15  |
| 20                       | 108,32 | 101,48 | 10115020 | 75    | 14    | 30 | 1,21  |
| 21                       | 113,35 | 106,51 | 10115021 | 75    | 16    | 30 | 1,35  |
| 22                       | 118,39 | 111,55 | 10115022 | 80    | 16    | 30 | 1,41  |
| 23                       | 123,43 | 116,59 | 10115023 | 80    | 16    | 30 | 1,47  |
| 24                       | 128,46 | 121,62 | 10115024 | 80    | 16    | 30 | 1,54  |
| 25                       | 133,50 | 126,66 | 10115025 | 80    | 16    | 30 | 1,60  |
| 26                       | 138,54 | 131,70 | 10115026 | 85    | 20    | 35 | 1,96  |
| 27                       | 143,58 | 136,74 | 10115027 | 85    | 20    | 35 | 2,04  |
| 28                       | 148,63 | 141,79 | 10115028 | 90    | 20    | 35 | 2,25  |
| 29                       | 153,67 | 146,83 | 10115029 | 90    | 20    | 35 | 2,33  |
| 30                       | 158,71 | 151,87 | 10115030 | 90    | 20    | 35 | 2,41  |
| 31                       | 163,76 | 156,92 | 10115031 | 95    | 20    | 35 | 2,64  |
| 32                       | 168,80 | 161,96 | 10115032 | 95    | 20    | 35 | 2,73  |
| 33                       | 173,85 | 167,01 | 10115033 | 95    | 20    | 35 | 2,82  |
| 34                       | 178,89 | 172,05 | 10115034 | 95    | 20    | 35 | 2,92  |
| 35                       | 183,94 | 177,10 | 10115035 | 95    | 20    | 35 | 3,01  |
| 36                       | 188,99 | 182,15 | 10115036 | 100   | 20    | 35 | 3,27  |
| 37                       | 194,03 | 187,19 | 10115037 | 100   | 20    | 35 | 3,37  |
| 38                       | 199,08 | 192,24 | 10115038 | 100   | 20    | 35 | 3,47  |
| 39                       | 204,13 | 197,29 | 10115039 | 100   | 20    | 35 | 3,58  |
| 40                       | 209,17 | 202,33 | 10115040 | 100   | 20    | 35 | 3,69  |
| 42                       | 219,27 | 212,43 | 10115042 | 100   | 20    | 40 | 4,73  |
| 45                       | 234,42 | 227,58 | 10115045 | 100   | 20    | 40 | 5,09  |
| 48                       | 249,57 | 242,73 | 10115048 | 100   | 20    | 40 | 5,43  |
| 50                       | 259,66 | 252,82 | 10115050 | 100   | 20    | 40 | 5,70  |
| 57                       | 295,02 | 288,18 | 10115057 | 100   | 20    | 40 | 6,66  |
| 60                       | 310,17 | 303,33 | 10115060 | 100   | 20    | 40 | 7,15  |
| 76                       | 390,99 | 384,15 | 10115076 | 100   | 20    | 50 | 10,28 |

| Double - Doppi 10-B-2 |       |       |    |       |  |
|-----------------------|-------|-------|----|-------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.   |  |
| 10215008              | 25    | 12    | 40 | 0,19  |  |
| 10215009              | 30    | 12    | 40 | 0,27  |  |
| 10215010              | 35    | 12    | 40 | 0,36  |  |
| 10215011              | 39    | 14    | 40 | 0,43  |  |
| 10215012              | 44    | 14    | 40 | 0,55  |  |
| 10215013              | 49    | 14    | 40 | 0,68  |  |
| 10215014              | 54    | 14    | 40 | 0,82  |  |
| 10215015              | 59    | 14    | 40 | 0,97  |  |
| 10215016              | 64    | 16    | 45 | 1,26  |  |
| 10215017              | 69    | 16    | 45 | 1,46  |  |
| 10215018              | 74    | 16    | 45 | 1,67  |  |
| 10215019              | 79    | 16    | 45 | 1,90  |  |
| 10215020              | 84    | 16    | 45 | 2,14  |  |
| 10215021              | 85    | 16    | 45 | 2,27  |  |
| 10215022              | 90    | 16    | 45 | 2,54  |  |
| 10215023              | 95    | 16    | 45 | 2,82  |  |
| 10215024              | 100   | 16    | 45 | 3,11  |  |
| 10215025              | 105   | 16    | 45 | 3,15  |  |
| 10215026              | 110   | 16    | 45 | 3,74  |  |
| 10215027              | 110   | 20    | 45 | 3,94  |  |
| 10215028              | 115   | 20    | 45 | 4,28  |  |
| 10215029              | 115   | 20    | 45 | 4,50  |  |
| 10215030              | 120   | 20    | 45 | 4,87  |  |
| 10215031              | 120   | 20    | 45 | 5,10  |  |
| 10215032              | 120   | 20    | 45 | 5,34  |  |
| 10215033              | 120   | 20    | 45 | 5,59  |  |
| 10215034              | 120   | 20    | 45 | 5,84  |  |
| 10215035              | 120   | 20    | 45 | 6,11  |  |
| 10215036              | 120   | 20    | 45 | 6,38  |  |
| 10215037              | 120   | 20    | 45 | 6,66  |  |
| 10215038              | 120   | 20    | 45 | 6,95  |  |
| 10215039              | 120   | 20    | 45 | 7,25  |  |
| 10215040              | 120   | 20    | 45 | 7,55  |  |
| 10215042              | 130   | 20    | 50 | 9,35  |  |
| 10215045              | 130   | 20    | 50 | 10,32 |  |
| 10215048              | 130   | 20    | 50 | 11,40 |  |
| 10215050              | 130   | 20    | 50 | 12,11 |  |
| 10215057              | 130   | 20    | 50 | 15,74 |  |
| 10215060              | 130   | 20    | 50 | 16,40 |  |
| 10215076              | 130   | 20    | 63 | 24,93 |  |

| Triple - Tripli 10-B-3 |       |       |    |       |  |
|------------------------|-------|-------|----|-------|--|
| CODE                   | $d_m$ | $D_1$ | A  | kg.   |  |
| 10315008               | 25    | 12    | 55 | 0,27  |  |
| 10315009               | 30    | 12    | 55 | 0,38  |  |
| 10315010               | 35    | 16    | 55 | 0,47  |  |
| 10315011               | 39    | 16    | 55 | 0,61  |  |
| 10315012               | 44    | 16    | 55 | 0,78  |  |
| 10315013               | 49    | 16    | 55 | 0,96  |  |
| 10315014               | 54    | 16    | 55 | 1,15  |  |
| 10315015               | 59    | 16    | 55 | 1,37  |  |
| 10315016               | 64    | 16    | 60 | 1,72  |  |
| 10315017               | 69    | 16    | 60 | 1,99  |  |
| 10315018               | 74    | 16    | 60 | 2,27  |  |
| 10315019               | 79    | 16    | 60 | 2,58  |  |
| 10315020               | 84    | 16    | 60 | 2,91  |  |
| 10315021               | 85    | 20    | 60 | 3,12  |  |
| 10315022               | 90    | 20    | 60 | 3,48  |  |
| 10315023               | 95    | 20    | 60 | 3,48  |  |
| 10315024               | 100   | 20    | 60 | 4,86  |  |
| 10315025               | 105   | 20    | 60 | 4,25  |  |
| 10315026               | 110   | 20    | 60 | 4,67  |  |
| 10315027               | 110   | 20    | 60 | 5,10  |  |
| 10315028               | 115   | 20    | 60 | 5,43  |  |
| 10315029               | 115   | 20    | 60 | 5,90  |  |
| 10315030               | 120   | 20    | 60 | 6,25  |  |
| 10315031               | 120   | 20    | 60 | 7,18  |  |
| 10315032               | 120   | 20    | 60 | 7,56  |  |
| 10315033               | 120   | 20    | 60 | 7,97  |  |
| 10315034               | 120   | 20    | 60 | 8,36  |  |
| 10315035               | 120   | 20    | 60 | 8,74  |  |
| 10315036               | 120   | 25    | 60 | 9,15  |  |
| 10315037               | 120   | 25    | 60 | 9,61  |  |
| 10315038               | 120   | 25    | 60 | 10,08 |  |
| 10315039               | 120   | 25    | 60 | 10,57 |  |
| 10315040               | 120   | 25    | 60 | 11,97 |  |
| 10315045               | 130   | 25    | 60 | 15,70 |  |
| 10315050               | 130   | 25    | 60 | 18,83 |  |
| 10315057               | 130   | 25    | 60 | 23,40 |  |
| 10315060               | 130   | 25    | 60 | 25,80 |  |
| 10315076               | 130   | 25    | 67 | 40,25 |  |



## 3/4"x7/16" (12-B)

### CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 19,0 mm |
| $C$   | 2,0 mm  |
| $B_1$ | 11,1 mm |
| $b_1$ | 10,8 mm |
| $B_2$ | 30,3 mm |
| $B_3$ | 49,8 mm |

### CHAIN

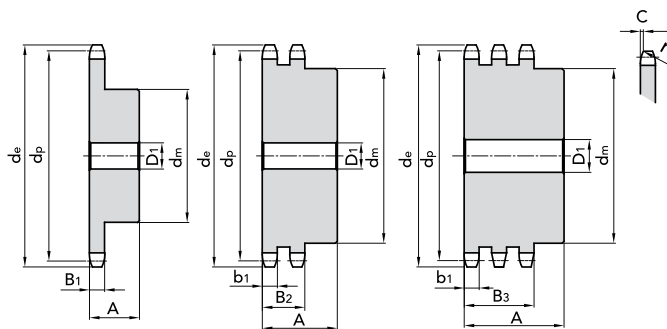
|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 11,68 mm |
| Roller Ø    | 12,07 mm |

### MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



Simple - Semplici 12-B-1

| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |
|----|----------------|----------------|----------|----------------|----------------|----|-------|
| 8  | 57,31          | 49,78          | 10119008 | 31             | 12             | 30 | 0,21  |
| 9  | 63,23          | 55,70          | 10119009 | 37             | 12             | 30 | 0,29  |
| 10 | 69,18          | 61,65          | 10119010 | 42             | 12             | 30 | 0,38  |
| 11 | 75,15          | 67,62          | 10119011 | 46             | 14             | 35 | 0,51  |
| 12 | 81,13          | 73,60          | 10119012 | 52             | 14             | 35 | 0,65  |
| 13 | 87,13          | 79,60          | 10119013 | 58             | 14             | 35 | 0,80  |
| 14 | 93,14          | 85,61          | 10119014 | 64             | 14             | 35 | 0,97  |
| 15 | 99,16          | 91,63          | 10119015 | 70             | 14             | 35 | 1,16  |
| 16 | 105,18         | 97,65          | 10119016 | 75             | 16             | 35 | 1,34  |
| 17 | 111,20         | 103,67         | 10119017 | 80             | 16             | 35 | 1,53  |
| 18 | 117,23         | 109,70         | 10119018 | 80             | 16             | 35 | 1,62  |
| 19 | 123,27         | 115,74         | 10119019 | 80             | 16             | 35 | 1,70  |
| 20 | 129,31         | 121,78         | 10119020 | 80             | 16             | 35 | 1,80  |
| 21 | 135,35         | 127,82         | 10119021 | 90             | 20             | 40 | 2,35  |
| 22 | 141,39         | 133,86         | 10119022 | 90             | 20             | 40 | 2,46  |
| 23 | 147,43         | 139,90         | 10119023 | 90             | 20             | 40 | 2,56  |
| 24 | 153,48         | 145,95         | 10119024 | 90             | 20             | 40 | 2,68  |
| 25 | 159,52         | 151,99         | 10119025 | 90             | 20             | 40 | 2,80  |
| 26 | 165,57         | 158,04         | 10119026 | 95             | 20             | 40 | 3,08  |
| 27 | 171,62         | 164,09         | 10119027 | 95             | 20             | 40 | 3,21  |
| 28 | 177,67         | 170,14         | 10119028 | 95             | 20             | 40 | 3,34  |
| 29 | 183,72         | 176,19         | 10119029 | 95             | 20             | 40 | 3,48  |
| 30 | 189,78         | 182,25         | 10119030 | 95             | 20             | 40 | 3,63  |
| 31 | 195,83         | 188,30         | 10119031 | 100            | 20             | 40 | 3,78  |
| 32 | 201,88         | 194,35         | 10119032 | 100            | 20             | 40 | 3,93  |
| 33 | 207,94         | 200,41         | 10119033 | 100            | 20             | 40 | 4,09  |
| 34 | 213,99         | 206,46         | 10119034 | 100            | 20             | 40 | 4,25  |
| 35 | 220,05         | 212,52         | 10119035 | 100            | 20             | 40 | 4,42  |
| 36 | 226,10         | 218,57         | 10119036 | 100            | 20             | 40 | 4,71  |
| 37 | 232,16         | 224,63         | 10119037 | 100            | 20             | 40 | 4,89  |
| 38 | 238,22         | 230,69         | 10119038 | 100            | 20             | 40 | 5,07  |
| 39 | 244,27         | 236,74         | 10119039 | 100            | 20             | 40 | 5,26  |
| 40 | 250,33         | 242,80         | 10119040 | 100            | 20             | 40 | 5,46  |
| 42 | 262,45         | 254,92         | 10119042 | 110            | 25             | 56 | 8,14  |
| 45 | 280,62         | 273,09         | 10119045 | 110            | 25             | 56 | 8,85  |
| 48 | 298,80         | 291,27         | 10119048 | 110            | 25             | 56 | 9,67  |
| 50 | 310,92         | 303,39         | 10119050 | 110            | 25             | 56 | 10,15 |
| 57 | 353,34         | 345,81         | 10119057 | 110            | 25             | 56 | 11,85 |
| 60 | 371,52         | 363,99         | 10119060 | 110            | 25             | 56 | 12,71 |
| 76 | 468,51         | 460,98         | 10119076 | 110            | 30             | 56 | 18,02 |

Double - Doppi 12-B-2

| CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |
|----------|----------------|----------------|----|-------|
| 10219008 | 31             | 12             | 45 | 0,31  |
| 10219009 | 37             | 12             | 45 | 0,44  |
| 10219010 | 42             | 12             | 45 | 0,59  |
| 10219011 | 47             | 16             | 50 | 0,81  |
| 10219012 | 53             | 16             | 50 | 1,02  |
| 10219013 | 59             | 16             | 50 | 1,25  |
| 10219014 | 65             | 16             | 50 | 1,46  |
| 10219015 | 71             | 16             | 50 | 1,74  |
| 10219016 | 77             | 20             | 50 | 2,03  |
| 10219017 | 83             | 20             | 50 | 2,36  |
| 10219018 | 89             | 20             | 50 | 2,70  |
| 10219019 | 95             | 20             | 50 | 3,07  |
| 10219020 | 100            | 20             | 50 | 3,43  |
| 10219021 | 100            | 20             | 50 | 3,69  |
| 10219022 | 100            | 20             | 50 | 3,97  |
| 10219023 | 110            | 20             | 50 | 4,51  |
| 10219024 | 110            | 20             | 50 | 4,81  |
| 10219025 | 120            | 20             | 50 | 5,41  |
| 10219026 | 120            | 20             | 50 | 5,73  |
| 10219027 | 120            | 20             | 50 | 6,08  |
| 10219028 | 120            | 20             | 50 | 6,43  |
| 10219029 | 120            | 20             | 50 | 6,80  |
| 10219030 | 120            | 20             | 50 | 7,19  |
| 10219031 | 130            | 20             | 50 | 7,59  |
| 10219032 | 130            | 20             | 50 | 8,00  |
| 10219033 | 130            | 20             | 50 | 8,42  |
| 10219034 | 130            | 20             | 50 | 8,86  |
| 10219035 | 130            | 20             | 50 | 9,31  |
| 10219036 | 130            | 25             | 50 | 9,71  |
| 10219037 | 130            | 25             | 50 | 10,19 |
| 10219038 | 130            | 25             | 50 | 10,78 |
| 10219039 | 130            | 25             | 50 | 11,19 |
| 10219040 | 130            | 25             | 50 | 11,71 |
| 10219042 | 140            | 25             | 63 | 14,51 |
| 10219045 | 140            | 25             | 63 | 16,35 |
| 10219048 | 140            | 25             | 63 | 18,18 |
| 10219050 | 140            | 25             | 63 | 19,44 |
| 10219057 | 140            | 25             | 63 | 24,43 |
| 10219060 | 140            | 25             | 63 | 26,77 |
| 10219076 | 140            | 30             | 63 | 41,88 |

Triple - Tripli 12-B-3

| CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |
|----------|----------------|----------------|----|-------|
| 10319008 | 31             | 16             | 65 | 0,45  |
| 10319009 | 37             | 16             | 65 | 0,64  |
| 10319010 | 42             | 16             | 65 | 0,86  |
| 10319011 | 47             | 20             | 70 | 1,09  |
| 10319012 | 53             | 20             | 70 | 1,39  |
| 10319013 | 59             | 20             | 70 | 1,72  |
| 10319014 | 65             | 20             | 70 | 2,08  |
| 10319015 | 71             | 20             | 70 | 2,47  |
| 10319016 | 77             | 20             | 70 | 2,89  |
| 10319017 | 83             | 20             | 70 | 3,34  |
| 10319018 | 89             | 20             | 70 | 3,83  |
| 10319019 | 95             | 20             | 70 | 4,35  |
| 10319020 | 100            | 20             | 70 | 4,87  |
| 10319021 | 100            | 20             | 70 | 5,20  |
| 10319022 | 100            | 20             | 70 | 5,65  |
| 10319023 | 110            | 20             | 70 | 6,38  |
| 10319024 | 110            | 20             | 70 | 6,87  |
| 10319025 | 120            | 20             | 70 | 7,77  |
| 10319026 | 120            | 20             | 70 | 8,21  |
| 10319027 | 120            | 20             | 70 | 8,77  |
| 10319028 | 120            | 20             | 70 | 9,35  |
| 10319029 | 120            | 20             | 70 | 9,96  |
| 10319030 | 120            | 20             | 70 | 10,59 |
| 10319031 | 130            | 25             | 70 | 11,55 |
| 10319032 | 130            | 25             | 70 | 12,22 |
| 10319033 | 130            | 25             | 70 | 12,92 |
| 10319034 | 130            | 25             | 70 | 13,64 |
| 10319035 | 130            | 25             | 70 | 14,38 |
| 10319036 | 130            | 25             | 70 | 15,14 |
| 10319037 | 130            | 25             | 70 | 15,93 |
| 10319038 | 130            | 25             | 70 | 16,73 |
| 10319039 | 130            | 25             | 70 | 17,57 |
| 10319040 | 130            | 25             | 70 | 18,42 |
| 10319045 | 140            | 25             | 70 | 23,55 |
| 10319050 | 140            | 25             | 70 | 28,73 |
| 10319057 | 140            | 25             | 70 | 37,16 |
| 10319060 | 140            | 30             | 70 | 41,01 |
| 10319076 | 140            | 30             | 70 | 65,41 |



# 1"x17.02 mm (16-B)

## CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 26,0 mm |
| $C$   | 2,5 mm  |
| $B_1$ | 16,2 mm |
| $b_1$ | 15,8 mm |
| $B_2$ | 47,7 mm |
| $B_3$ | 79,6 mm |

## CHAIN

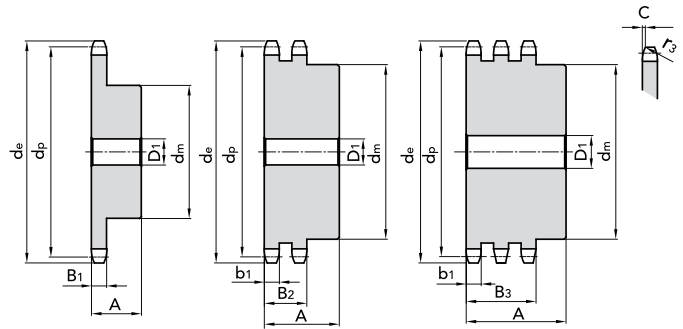
|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 17,02 mm |
| Roller Ø    | 15,88 mm |

## MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 16-B-1 |        |        |          |       |       |    |       |
|--------------------------|--------|--------|----------|-------|-------|----|-------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.   |
| 8                        | 77,49  | 66,37  | 10125008 | 42    | 16    | 35 | 0,47  |
| 9                        | 85,38  | 74,26  | 10125009 | 50    | 16    | 35 | 0,66  |
| 10                       | 93,32  | 82,20  | 10125010 | 55    | 16    | 35 | 0,83  |
| 11                       | 101,28 | 90,16  | 10125011 | 61    | 16    | 40 | 1,14  |
| 12                       | 109,26 | 98,14  | 10125012 | 69    | 16    | 40 | 1,43  |
| 13                       | 117,26 | 106,14 | 10125013 | 78    | 16    | 40 | 1,77  |
| 14                       | 125,27 | 114,15 | 10125014 | 84    | 16    | 40 | 2,08  |
| 15                       | 133,29 | 122,17 | 10125015 | 92    | 16    | 40 | 2,46  |
| 16                       | 141,32 | 130,20 | 10125016 | 100   | 20    | 45 | 3,14  |
| 17                       | 149,35 | 138,23 | 10125017 | 100   | 20    | 45 | 3,33  |
| 18                       | 157,39 | 146,27 | 10125018 | 100   | 20    | 45 | 3,56  |
| 19                       | 165,44 | 154,32 | 10125019 | 100   | 20    | 45 | 3,78  |
| 20                       | 173,49 | 162,37 | 10125020 | 100   | 20    | 45 | 4,03  |
| 21                       | 181,54 | 170,42 | 10125021 | 110   | 20    | 50 | 5,01  |
| 22                       | 189,60 | 178,48 | 10125022 | 110   | 20    | 50 | 5,28  |
| 23                       | 197,66 | 186,54 | 10125023 | 110   | 20    | 50 | 5,56  |
| 24                       | 205,72 | 194,60 | 10125024 | 110   | 20    | 50 | 5,86  |
| 25                       | 213,78 | 202,66 | 10125025 | 110   | 20    | 50 | 6,16  |
| 26                       | 221,84 | 210,72 | 10125026 | 120   | 20    | 50 | 6,96  |
| 27                       | 229,91 | 218,79 | 10125027 | 120   | 20    | 50 | 7,30  |
| 28                       | 237,98 | 226,86 | 10125028 | 120   | 20    | 50 | 7,64  |
| 29                       | 246,05 | 234,93 | 10125029 | 120   | 20    | 50 | 8,00  |
| 30                       | 254,12 | 243,00 | 10125030 | 120   | 20    | 50 | 8,38  |
| 31                       | 262,19 | 251,07 | 10125031 | 120   | 25    | 50 | 8,69  |
| 32                       | 270,26 | 259,14 | 10125032 | 120   | 25    | 50 | 9,09  |
| 33                       | 278,33 | 267,21 | 10125033 | 120   | 25    | 50 | 9,50  |
| 34                       | 286,40 | 275,28 | 10125034 | 120   | 25    | 50 | 9,93  |
| 35                       | 294,48 | 283,36 | 10125035 | 120   | 25    | 50 | 10,36 |
| 36                       | 302,55 | 291,43 | 10125036 | 120   | 25    | 50 | 10,81 |
| 37                       | 310,63 | 299,51 | 10125037 | 120   | 25    | 50 | 11,28 |
| 38                       | 318,70 | 307,58 | 10125038 | 120   | 25    | 50 | 11,76 |
| 39                       | 326,78 | 315,66 | 10125039 | 120   | 25    | 50 | 12,25 |
| 40                       | 334,86 | 323,74 | 10125040 | 120   | 25    | 50 | 12,75 |
| 42                       | 351,01 | 339,89 | 10125042 | 125   | 25    | 70 | 16,54 |
| 45                       | 375,24 | 364,12 | 10125045 | 125   | 25    | 70 | 18,15 |
| 48                       | 399,48 | 388,36 | 10125048 | 125   | 25    | 70 | 19,86 |
| 50                       | 415,64 | 404,52 | 10125050 | 125   | 25    | 70 | 20,89 |
| 57                       | 472,20 | 461,08 | 10125057 | 125   | 30    | 70 | 25,52 |
| 60                       | 496,45 | 485,33 | 10125060 | 125   | 30    | 70 | 27,76 |
| 76                       | 625,76 | 614,64 | 10125076 | 140   | 30    | 80 | 42,97 |

| Double - Doppi 16-B-2 |       |       |    |        |  |
|-----------------------|-------|-------|----|--------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.    |  |
| 10225008              | 42    | 16    | 65 | 0,81   |  |
| 10225009              | 50    | 16    | 65 | 1,15   |  |
| 10225010              | 56    | 16    | 65 | 1,52   |  |
| 10225011              | 64    | 20    | 70 | 2,08   |  |
| 10225012              | 72    | 20    | 70 | 2,60   |  |
| 10225013              | 80    | 20    | 70 | 3,18   |  |
| 10225014              | 88    | 20    | 70 | 3,82   |  |
| 10225015              | 96    | 20    | 70 | 4,51   |  |
| 10225016              | 104   | 20    | 70 | 5,17   |  |
| 10225017              | 112   | 20    | 70 | 5,98   |  |
| 10225018              | 120   | 20    | 70 | 6,84   |  |
| 10225019              | 128   | 20    | 70 | 7,76   |  |
| 10225020              | 130   | 20    | 70 | 8,52   |  |
| 10225021              | 130   | 25    | 70 | 9,24   |  |
| 10225022              | 130   | 25    | 70 | 10,00  |  |
| 10225023              | 130   | 25    | 70 | 10,8   |  |
| 10225024              | 130   | 25    | 70 | 11,64  |  |
| 10225025              | 130   | 25    | 70 | 12,52  |  |
| 10225026              | 130   | 25    | 70 | 13,43  |  |
| 10225027              | 130   | 25    | 70 | 14,38  |  |
| 10225028              | 130   | 25    | 70 | 15,38  |  |
| 10225029              | 130   | 25    | 70 | 16,41  |  |
| 10225030              | 130   | 25    | 70 | 17,48  |  |
| 10225031              | 140   | 25    | 70 | 18,96  |  |
| 10225032              | 140   | 25    | 70 | 20,10  |  |
| 10225033              | 140   | 25    | 70 | 21,29  |  |
| 10225034              | 140   | 25    | 70 | 22,21  |  |
| 10225035              | 140   | 25    | 70 | 23,77  |  |
| 10225036              | 140   | 25    | 70 | 25,07  |  |
| 10225037              | 140   | 25    | 70 | 26,41  |  |
| 10225038              | 140   | 25    | 70 | 27,79  |  |
| 10225039              | 140   | 25    | 70 | 29,20  |  |
| 10225040              | 140   | 25    | 70 | 30,65  |  |
| 10225042              | 150   | 25    | 80 | 33,63  |  |
| 10225045              | 150   | 25    | 80 | 38,44  |  |
| 10225048              | 150   | 30    | 80 | 43,61  |  |
| 10225050              | 150   | 30    | 80 | 47,25  |  |
| 10225057              | 160   | 30    | 90 | 63,45  |  |
| 10225060              | 160   | 30    | 90 | 70,00  |  |
| 10225076              | 160   | 30    | 90 | 110,79 |  |

| Triple - Tripli 16-B-3 |       |       |     |        |
|------------------------|-------|-------|-----|--------|
| CODE                   | $d_m$ | $D_1$ | A   | kg.    |
| 10325008               | 42    | 20    | 95  | 1,19   |
| 10325009               | 50    | 20    | 95  | 1,68   |
| 10325010               | 56    | 20    | 95  | 2,24   |
| 10325011               | 64    | 25    | 100 | 2,86   |
| 10325012               | 72    | 25    | 100 | 3,62   |
| 10325013               | 80    | 25    | 100 | 4,45   |
| 10325014               | 88    | 25    | 100 | 5,37   |
| 10325015               | 96    | 25    | 100 | 6,37   |
| 10325016               | 104   | 30    | 100 | 7,45   |
| 10325017               | 112   | 30    | 100 | 8,60   |
| 10325018               | 120   | 30    | 100 | 9,84   |
| 10325019               | 128   | 30    | 100 | 11,16  |
| 10325020               | 130   | 30    | 100 | 12,36  |
| 10325021               | 130   | 30    | 100 | 13,56  |
| 10325022               | 130   | 30    | 100 | 14,82  |
| 10325023               | 130   | 30    | 100 | 16,15  |
| 10325024               | 130   | 30    | 100 | 17,53  |
| 10325025               | 130   | 30    | 100 | 18,99  |
| 10325026               | 130   | 30    | 100 | 20,34  |
| 10325027               | 130   | 30    | 100 | 21,92  |
| 10325028               | 130   | 30    | 100 | 23,57  |
| 10325029               | 130   | 30    | 100 | 25,27  |
| 10325030               | 130   | 30    | 100 | 27,05  |
| 10325031               | 140   | 30    | 100 | 29,23  |
| 10325032               | 140   | 30    | 100 | 31,13  |
| 10325033               | 140   | 30    | 100 | 33,10  |
| 10325034               | 140   | 30    | 100 | 35,13  |
| 10325035               | 140   | 30    | 100 | 37,23  |
| 10325036               | 140   | 30    | 100 | 39,39  |
| 10325038               | 140   | 30    | 100 | 43,90  |
| 10325040               | 140   | 30    | 100 | 48,67  |
| 10325045               | 160   | 30    | 100 | 63,94  |
| 10325050               | 160   | 30    | 100 | 78,58  |
| 10325057               | 180   | 40    | 110 | 103,03 |
| 10325076               | 180   | 40    | 110 | 181,86 |





# 1" 1/4x3/4" (20-B)

## CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 32,0 mm |
| $C$   | 3,5 mm  |
| $B_1$ | 18,5 mm |
| $b_1$ | 18,2 mm |
| $B_2$ | 54,6 mm |
| $B_3$ | 91,0 mm |

## CHAIN

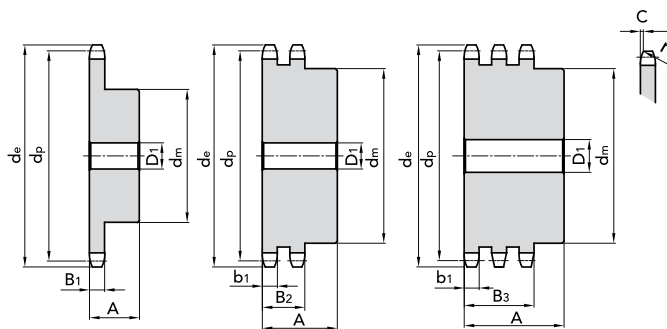
|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,56 mm |
| Roller Ø    | 19,05 mm |

## MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 20-B-1 |        |        |          |       |       |    |       |
|--------------------------|--------|--------|----------|-------|-------|----|-------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.   |
| 8                        | 98,10  | 82,96  | 10131008 | 53    | 20    | 40 | 0,85  |
| 9                        | 108,00 | 92,84  | 10131009 | 63    | 20    | 40 | 1,19  |
| 10                       | 117,90 | 102,74 | 10131010 | 70    | 20    | 40 | 1,51  |
| 11                       | 127,80 | 112,68 | 10131011 | 77    | 20    | 45 | 2,05  |
| 12                       | 137,80 | 122,69 | 10131012 | 88    | 20    | 45 | 2,60  |
| 13                       | 147,80 | 132,65 | 10131013 | 98    | 20    | 45 | 3,15  |
| 14                       | 157,80 | 142,68 | 10131014 | 108   | 20    | 45 | 3,80  |
| 15                       | 167,90 | 152,71 | 10131015 | 118   | 20    | 45 | 4,47  |
| 16                       | 177,90 | 162,75 | 10131016 | 120   | 25    | 50 | 5,25  |
| 17                       | 187,90 | 172,79 | 10131017 | 120   | 25    | 50 | 5,60  |
| 18                       | 198,00 | 182,84 | 10131018 | 120   | 25    | 50 | 6,00  |
| 19                       | 208,10 | 192,91 | 10131019 | 120   | 25    | 50 | 6,40  |
| 20                       | 218,10 | 202,98 | 10131020 | 120   | 25    | 50 | 6,85  |
| 21                       | 228,20 | 213,04 | 10131021 | 140   | 25    | 55 | 8,75  |
| 22                       | 238,30 | 223,11 | 10131022 | 140   | 25    | 55 | 9,30  |
| 23                       | 248,30 | 233,17 | 10131023 | 140   | 25    | 55 | 9,77  |
| 24                       | 258,40 | 243,23 | 10131024 | 140   | 25    | 55 | 10,30 |
| 25                       | 268,50 | 253,33 | 10131025 | 140   | 25    | 55 | 10,80 |
| 26                       | 278,60 | 263,40 | 10131026 | 150   | 25    | 55 | 12,09 |
| 27                       | 288,60 | 273,40 | 10131027 | 150   | 25    | 55 | 12,65 |
| 28                       | 298,70 | 283,56 | 10131028 | 150   | 25    | 55 | 13,29 |
| 29                       | 308,80 | 293,65 | 10131029 | 150   | 25    | 55 | 13,93 |
| 30                       | 318,90 | 303,75 | 10131030 | 150   | 25    | 55 | 14,60 |
| 31                       | 329,00 | 313,85 | 10131031 | 160   | 25    | 55 | 15,28 |
| 32                       | 339,10 | 323,91 | 10131032 | 160   | 25    | 55 | 16,00 |
| 33                       | 349,20 | 334,01 | 10131033 | 160   | 25    | 55 | 16,70 |
| 34                       | 359,30 | 344,10 | 10131034 | 160   | 25    | 55 | 17,49 |
| 35                       | 369,40 | 354,20 | 10131035 | 160   | 25    | 55 | 18,30 |
| 36                       | 379,50 | 364,30 | 10131036 | 160   | 25    | 55 | 19,10 |
| 37                       | 389,50 | 374,39 | 10131037 | 160   | 25    | 55 | 19,90 |
| 38                       | 399,60 | 384,49 | 10131038 | 160   | 25    | 55 | 20,75 |
| 39                       | 409,70 | 394,59 | 10131039 | 160   | 25    | 55 | 21,70 |
| 40                       | 419,80 | 404,68 | 10131040 | 160   | 25    | 55 | 22,53 |
| 42                       | 440,00 | 424,88 | 10131042 | 160   | 30    | 70 | 28,84 |
| 45                       | 470,30 | 455,17 | 10131045 | 160   | 30    | 70 | 31,79 |
| 48                       | 500,60 | 485,46 | 10131048 | 160   | 30    | 70 | 32,80 |
| 50                       | 520,80 | 505,65 | 10131050 | 160   | 30    | 70 | 35,00 |
| 57                       | 591,50 | 576,36 | 10131057 | 160   | 30    | 80 | 37,21 |
| 60                       | 621,80 | 606,65 | 10131060 | 160   | 30    | 80 | 45,79 |
| 76                       | 783,50 | 768,32 | 10131076 | 160   | 30    | 90 | 75,81 |

| Double - Doppi 20-B-2 |       |       |     |        |  |
|-----------------------|-------|-------|-----|--------|--|
| CODE                  | $d_m$ | $D_1$ | A   | kg.    |  |
| 10231008              | 53    | 20    | 75  | 1,58   |  |
| 10231009              | 63    | 20    | 75  | 2,19   |  |
| 10231010              | 70    | 20    | 75  | 2,85   |  |
| 10231011              | 80    | 20    | 80  | 3,72   |  |
| 10231012              | 90    | 20    | 80  | 4,66   |  |
| 10231013              | 100   | 20    | 80  | 5,70   |  |
| 10231014              | 110   | 20    | 80  | 6,84   |  |
| 10231015              | 120   | 20    | 80  | 8,08   |  |
| 10231016              | 120   | 25    | 80  | 8,90   |  |
| 10231017              | 120   | 25    | 80  | 9,92   |  |
| 10231018              | 120   | 25    | 80  | 11,00  |  |
| 10231019              | 120   | 25    | 80  | 12,16  |  |
| 10231020              | 120   | 25    | 80  | 13,38  |  |
| 10231021              | 140   | 25    | 80  | 15,49  |  |
| 10231022              | 140   | 25    | 80  | 16,86  |  |
| 10231023              | 140   | 25    | 80  | 18,29  |  |
| 10231024              | 140   | 25    | 80  | 19,79  |  |
| 10231025              | 140   | 25    | 80  | 21,36  |  |
| 10231026              | 150   | 25    | 80  | 23,45  |  |
| 10231027              | 150   | 25    | 80  | 25,15  |  |
| 10231028              | 150   | 25    | 80  | 26,93  |  |
| 10231029              | 150   | 25    | 80  | 28,77  |  |
| 10231030              | 150   | 25    | 80  | 30,69  |  |
| 10231031              | 150   | 25    | 80  | 32,67  |  |
| 10231032              | 150   | 25    | 80  | 32,72  |  |
| 10231033              | 150   | 25    | 80  | 35,00  |  |
| 10231034              | 150   | 25    | 80  | 39,03  |  |
| 10231035              | 150   | 25    | 80  | 41,28  |  |
| 10231036              | 150   | 30    | 80  | 43,61  |  |
| 10231038              | 150   | 30    | 80  | 48,46  |  |
| 10231039              | 150   | 30    | 80  | 51,00  |  |
| 10231040              | 150   | 30    | 80  | 53,60  |  |
| 10231045              | 160   | 30    | 90  | 71,32  |  |
| 10231050              | 160   | 30    | 90  | 87,08  |  |
| 10231057              | 160   | 30    | 100 | 116,28 |  |
| 10231076              | 180   | 30    | 100 | 200,96 |  |

| Triple - Tripli 20-B-3 |       |       |     |        |  |
|------------------------|-------|-------|-----|--------|--|
| CODE                   | $d_m$ | $D_1$ | A   | kg.    |  |
| 10331008               | 53    | 20    | 110 | 2,15   |  |
| 10331009               | 63    | 20    | 110 | 3,05   |  |
| 10331010               | 70    | 20    | 110 | 4,04   |  |
| 10331011               | 80    | 20    | 115 | 5,19   |  |
| 10331012               | 90    | 20    | 115 | 6,55   |  |
| 10331013               | 100   | 20    | 115 | 8,06   |  |
| 10331014               | 110   | 20    | 115 | 9,71   |  |
| 10331015               | 120   | 20    | 115 | 11,50  |  |
| 10331016               | 120   | 25    | 115 | 13,06  |  |
| 10331017               | 120   | 25    | 115 | 14,65  |  |
| 10331018               | 120   | 25    | 115 | 16,54  |  |
| 10331019               | 120   | 25    | 115 | 18,45  |  |
| 10331020               | 120   | 25    | 115 | 20,48  |  |
| 10331021               | 140   | 25    | 115 | 23,38  |  |
| 10331022               | 140   | 25    | 115 | 25,64  |  |
| 10331023               | 140   | 25    | 115 | 28,00  |  |
| 10331024               | 140   | 25    | 115 | 30,49  |  |
| 10331025               | 140   | 25    | 115 | 33,09  |  |
| 10331026               | 150   | 25    | 115 | 36,23  |  |
| 10331027               | 150   | 25    | 115 | 39,06  |  |
| 10331028               | 150   | 25    | 115 | 42,00  |  |
| 10331029               | 150   | 25    | 115 | 45,00  |  |
| 10331030               | 150   | 25    | 115 | 48,23  |  |
| 10331031               | 150   | 25    | 115 | 51,50  |  |
| 10331032               | 150   | 30    | 115 | 54,61  |  |
| 10331033               | 150   | 30    | 115 | 58,37  |  |
| 10331034               | 150   | 30    | 115 | 62,06  |  |
| 10331035               | 150   | 30    | 115 | 65,80  |  |
| 10331036               | 150   | 30    | 115 | 69,66  |  |
| 10331037               | 150   | 30    | 115 | 73,00  |  |
| 10331038               | 150   | 30    | 115 | 77,72  |  |
| 10331040               | 150   | 30    | 115 | 86,24  |  |
| 10331045               | 180   | 40    | 115 | 110,41 |  |
| 10331050               | 180   | 40    | 115 | 136,59 |  |
| 10331057               | 180   | 40    | 125 | 181,21 |  |
| 10331076               | 200   | 40    | 140 | 322,03 |  |



# 1" 1/2x1" (24-B)

## CHAIN SPROCKETS

**r<sub>3</sub>** 38,0 mm  
**C** 4,0 mm  
**B<sub>1</sub>** 24,1 mm  
**b<sub>1</sub>** 23,6 mm  
**B<sub>2</sub>** 72,0 mm  
**B<sub>3</sub>** 120,30 mm

## CHAIN

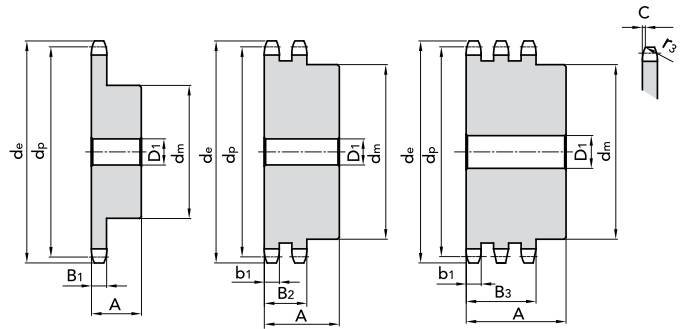
Pitch 38,1 mm  
Inner width 25,4 mm  
Roller Ø 25,4 mm

## MATERIAL

**MATERIAL C45 EN 10083**  
FOR MONOLITHIC CHAIN SPROCKETS

**MATERIAL S235 JR EN 10025**

**WELDED HUB - MOZZO SALDATO**



| Simple - Semplici 24-B-1 |                |                |          |                |                |     |        |
|--------------------------|----------------|----------------|----------|----------------|----------------|-----|--------|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A   | kg.    |
| 8                        | 115,00         | 99,55          | 10138008 | 58             | 20             | 45  | 1,38   |
| 9                        | 126,40         | 111,40         | 10138009 | 70             | 20             | 45  | 1,90   |
| 10                       | 138,00         | 123,29         | 10138010 | 80             | 20             | 45  | 2,47   |
| 11                       | 150,00         | 135,21         | 10138011 | 90             | 25             | 50  | 3,27   |
| 12                       | 162,00         | 147,22         | 10138012 | 102            | 25             | 50  | 4,09   |
| 13                       | 174,20         | 159,18         | 10138013 | 114            | 25             | 50  | 5,00   |
| 14                       | 186,20         | 171,22         | 10138014 | 128            | 25             | 50  | 6,09   |
| 15                       | 198,20         | 183,25         | 10138015 | 140            | 25             | 50  | 6,84   |
| 16                       | 210,30         | 195,30         | 10138016 | 140            | 25             | 55  | 8,20   |
| 17                       | 222,30         | 207,34         | 10138017 | 140            | 25             | 55  | 8,87   |
| 18                       | 234,30         | 219,42         | 10138018 | 140            | 25             | 55  | 9,59   |
| 19                       | 246,50         | 231,49         | 10138019 | 140            | 25             | 55  | 10,36  |
| 20                       | 258,60         | 243,57         | 10138020 | 140            | 25             | 55  | 11,16  |
| 21                       | 270,60         | 255,65         | 10138021 | 150            | 25             | 60  | 13,35  |
| 22                       | 282,70         | 267,72         | 10138022 | 150            | 25             | 60  | 14,24  |
| 23                       | 294,80         | 279,80         | 10138023 | 150            | 25             | 60  | 15,18  |
| 24                       | 306,80         | 291,88         | 10138024 | 150            | 25             | 60  | 16,16  |
| 25                       | 319,00         | 304,00         | 10138025 | 150            | 25             | 60  | 17,19  |
| 26                       | 331,00         | 316,08         | 10138026 | 160            | 30             | 60  | 18,25  |
| 27                       | 343,20         | 328,19         | 10138027 | 160            | 30             | 60  | 19,37  |
| 28                       | 355,20         | 340,27         | 10138028 | 160            | 30             | 60  | 20,52  |
| 29                       | 367,30         | 352,38         | 10138029 | 160            | 30             | 60  | 21,72  |
| 30                       | 379,50         | 364,50         | 10138030 | 160            | 30             | 60  | 22,97  |
| 31                       | 391,60         | 376,62         | 10138031 | 160            | 30             | 60  | 21,25  |
| 32                       | 403,70         | 388,71         | 10138032 | 160            | 30             | 60  | 25,59  |
| 33                       | 415,80         | 400,81         | 10138033 | 160            | 30             | 60  | 26,96  |
| 34                       | 427,80         | 412,93         | 10138034 | 160            | 30             | 60  | 28,38  |
| 35                       | 440,00         | 425,04         | 10138035 | 160            | 30             | 60  | 29,84  |
| 36                       | 452,00         | 437,16         | 10138036 | 160            | 30             | 60  | 31,34  |
| 37                       | 464,20         | 449,27         | 10138037 | 160            | 30             | 60  | 32,90  |
| 38                       | 476,20         | 461,39         | 10138038 | 160            | 30             | 60  | 34,49  |
| 39                       |                |                |          |                |                |     |        |
| 40                       | 500,60         | 485,62         | 10138040 | 160            | 30             | 60  | 37,51  |
| 42                       | 524,70         | 509,85         | 10138042 | 160            | 30             | 90  | 48,52  |
| 45                       | 561,20         | 546,20         | 10138045 | 160            | 30             | 90  | 54,08  |
| 48                       | 597,40         | 582,55         | 10138048 | 160            | 30             | 90  | 60,04  |
| 50                       | 621,70         | 606,78         | 10138050 | 160            | 30             | 90  | 64,24  |
| 57                       | 706,50         | 691,63         | 10138057 | 160            | 30             | 100 | 80,28  |
| 60                       | 742,80         | 727,97         | 10138060 | 160            | 40             | 100 | 87,82  |
| 76                       | 936,90         | 921,98         | 10138076 | 170            | 40             | 100 | 140,54 |

| Double - Doppi 24-B-2 |                |                |     |        |  |
|-----------------------|----------------|----------------|-----|--------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A   | kg.    |  |
| 10238008              | 58             | 25             | 95  | 2,70   |  |
| 10238009              | 70             | 25             | 95  | 3,79   |  |
| 10238010              | 80             | 25             | 95  | 5,01   |  |
| 10238011              | 90             | 25             | 100 | 6,62   |  |
| 10238012              | 102            | 25             | 100 | 8,28   |  |
| 10238013              | 114            | 25             | 100 | 10,13  |  |
| 10238014              | 128            | 25             | 100 | 12,24  |  |
| 10238015              | 140            | 25             | 100 | 14,08  |  |
| 10238016              | 140            | 25             | 100 | 15,88  |  |
| 10238017              | 150            | 25             | 100 | 17,80  |  |
| 10238018              | 160            | 25             | 100 | 21,08  |  |
| 10238019              | 160            | 25             | 100 | 23,26  |  |
| 10238020              | 160            | 25             | 100 | 25,57  |  |
| 10238021              | 160            | 25             | 100 | 28,01  |  |
| 10238022              | 160            | 25             | 100 | 30,59  |  |
| 10238023              | 160            | 25             | 100 | 33,29  |  |
| 10238024              | 160            | 25             | 100 | 33,13  |  |
| 10238025              | 160            | 25             | 100 | 39,09  |  |
| 10238026              | 160            | 30             | 100 | 42,19  |  |
| 10238027              | 160            | 30             | 100 | 45,41  |  |
| 10238028              | 160            | 30             | 100 | 48,77  |  |
| 10238029              | 160            | 30             | 100 | 52,26  |  |
| 10238030              | 160            | 30             | 100 | 55,88  |  |
| 10238031              | 170            | 30             | 100 | 59,19  |  |
| 10238032              | 170            | 30             | 100 | 63,07  |  |
| 10238033              | 170            | 30             | 100 | 67,08  |  |
| 10238034              | 170            | 30             | 100 | 71,21  |  |
| 10238035              | 170            | 30             | 100 | 75,49  |  |
| 10238036              | 170            | 30             | 100 | 79,89  |  |
| 10238037              | 170            | 30             | 100 | 84,43  |  |
| 10238038              | 170            | 30             | 100 | 89,09  |  |
| 10238040              | 170            | 30             | 100 | 98,98  |  |
| 10238045              | 180            | 40             | 100 | 132,81 |  |
| 10238050              | 180            | 40             | 100 | 162,65 |  |
| 10238057              | 200            | 40             | 110 | 209,91 |  |
| 10238076              | 220            | 40             | 120 | 373,88 |  |

| Triple - Tripli 24-B-3 |                |                |     |        |
|------------------------|----------------|----------------|-----|--------|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A   | kg.    |
| 10338008               | 58             | 25             | 140 | 4,00   |
| 10338009               | 70             | 25             | 140 | 5,62   |
| 10338010               | 80             | 25             | 140 | 7,45   |
| 10338011               | 90             | 25             | 150 | 9,73   |
| 10338012               | 102            | 25             | 150 | 12,24  |
| 10338013               | 114            | 25             | 150 | 15,02  |
| 10338014               | 128            | 25             | 150 | 18,16  |
| 10338015               | 140            | 25             | 150 | 21,09  |
| 10338016               | 140            | 25             | 150 | 24,25  |
| 10338017               | 150            | 25             | 150 | 27,42  |
| 10338018               | 160            | 25             | 150 | 32,12  |
| 10338019               | 160            | 25             | 150 | 35,74  |
| 10338020               | 160            | 25             | 150 | 39,57  |
| 10338021               | 160            | 30             | 150 | 42,98  |
| 10338022               | 160            | 30             | 150 | 47,25  |
| 10338023               | 160            | 30             | 150 | 51,74  |
| 10338024               | 160            | 30             | 150 | 56,44  |
| 10338025               | 160            | 30             | 150 | 61,37  |
| 10338026               | 160            | 30             | 150 | 66,52  |
| 10338027               | 160            | 30             | 150 | 71,88  |
| 10338028               | 160            | 30             | 150 | 77,46  |
| 10338030               | 160            | 40             | 150 | 89,28  |
| 10338032               | 170            | 40             | 150 | 101,97 |
| 10338035               | 170            | 40             | 150 | 122,64 |
| 10338038               | 170            | 40             | 150 | 145,28 |
| 10338040               | 170            | 40             | 150 | 161,46 |
| 10338045               | 200            | 40             | 150 | 209,06 |
| 10338050               | 200            | 40             | 150 | 258,81 |
| 10338057               | 220            | 40             | 150 | 337,62 |
| 10338076               | 250            | 40             | 150 | 607,76 |



# 1" 3/4x1" 1/4 (28-B)

## CHAIN SPROCKETS

|       |          |
|-------|----------|
| $r_3$ | 44,0 mm  |
| $C$   | 5,0 mm   |
| $B_1$ | 29,4 mm  |
| $b_1$ | 28,8 mm  |
| $B_2$ | 88,4 mm  |
| $B_3$ | 148,0 mm |

## CHAIN

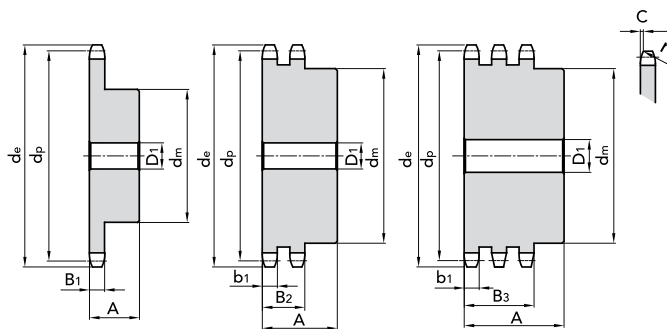
|             |          |
|-------------|----------|
| Pitch       | 44,45 mm |
| Inner width | 30,99 mm |
| Roller Ø    | 27,94 mm |

## MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 28-B-1 |         |          |          |       |       |     |        |
|--------------------------|---------|----------|----------|-------|-------|-----|--------|
| Z                        | $d_e$   | $d_p$    | CODE     | $d_m$ | $D_1$ | A   | kg.    |
| 8                        | 132,00  | 116,15   | 10144008 | 74    | 25    | 70  | 2,86   |
| 9                        | 148,40  | 129,96   | 10144009 | 88    | 25    | 70  | 4,00   |
| 10                       | 162,30  | 143,85   | 10144010 | 100   | 25    | 70  | 5,18   |
| 11                       | 176,30  | 157,77   | 10144011 | 112   | 25    | 70  | 6,51   |
| 12                       | 189,50  | 171,74   | 10144012 | 125   | 25    | 70  | 8,04   |
| 13                       | 204,20  | 185,74   | 10144013 | 130   | 25    | 70  | 8,88   |
| 14                       | 218,20  | 199,76   | 10144014 | 140   | 25    | 70  | 9,79   |
| 15                       | 232,30  | 213,79   | 10144015 | 145   | 25    | 70  | 10,77  |
| 16                       | 246,30  | 227,84   | 10144016 | 160   | 30    | 75  | 14,96  |
| 17                       | 260,00  | 241,91   | 10144017 | 160   | 30    | 75  | 16,09  |
| 18                       | 274,00  | 255,98   | 10144018 | 160   | 30    | 75  | 17,28  |
| 19                       | 289,00  | 270,06   | 10144019 | 160   | 30    | 75  | 18,56  |
| 20                       | 303,00  | 284,15   | 10144020 | 160   | 30    | 75  | 19,90  |
| 21                       | 317,00  | 298,24   | 10144021 | 170   | 30    | 75  | 21,31  |
| 22                       | 331,00  | 312,34   | 10144022 | 170   | 30    | 75  | 22,80  |
| 23                       | 345,00  | 326,44   | 10144023 | 170   | 30    | 75  | 24,36  |
| 24                       | 359,00  | 340,55   | 10144024 | 170   | 30    | 75  | 26,00  |
| 25                       | 373,00  | 354,66   | 10144025 | 170   | 30    | 75  | 27,70  |
| 26                       | 387,00  | 368,77   | 10144026 | 170   | 30    | 75  | 29,48  |
| 27                       | 401,40  | 382,88   | 10144027 | 170   | 30    | 75  | 31,36  |
| 28                       | 416,00  | 397,00   | 10144028 | 170   | 30    | 75  | 33,26  |
| 29                       |         |          |          |       |       |     |        |
| 30                       | 444,00  | 425,24   | 10144030 | 170   | 30    | 75  | 37,33  |
| 31                       |         |          |          |       |       |     |        |
| 32                       | 472,00  | 453,49   | 10144032 | 180   | 30    | 75  | 43,59  |
| 33                       |         |          |          |       |       |     |        |
| 34                       | 500,00  | 481,75   | 10144034 | 180   | 30    | 75  | 48,24  |
| 35                       | 514,00  | 495,88   | 10144035 | 180   | 30    | 75  | 50,57  |
| 36                       | 529,00  | 510,01   | 10144036 | 180   | 30    | 75  | 53,18  |
| 37                       |         |          |          |       |       |     |        |
| 38                       | 557,00  | 538,27   | 10144038 | 180   | 30    | 75  | 58,40  |
| 39                       |         |          |          |       |       |     |        |
| 40                       | 585,00  | 566,54   | 10144040 | 180   | 30    | 75  | 63,92  |
| 45                       | 656,00  | 637,22   | 10144045 | 180   | 30    | 90  | 79,12  |
| 50                       | 726,00  | 707,91   | 10144050 | 180   | 30    | 90  | 96,00  |
| 57                       | 825,00  | 806,90   | 10144057 | 180   | 40    | 90  | 125,13 |
| 60                       | 869,00  | 849,32   | 10144060 | 180   | 40    | 90  | 144,00 |
| 76                       | 1.095,0 | 1.075,62 | 10144076 | 200   | 40    | 100 | 215,46 |

| Double - Doppi 28-B-2 |       |       |     |        |  |
|-----------------------|-------|-------|-----|--------|--|
| CODE                  | $d_m$ | $D_1$ | A   | kg.    |  |
| 10244008              | 74    | 25    | 120 | 4,75   |  |
| 10244009              | 88    | 25    | 120 | 6,66   |  |
| 10244010              | 100   | 25    | 120 | 8,79   |  |
| 10244011              | 112   | 25    | 120 | 11,79  |  |
| 10244012              | 125   | 25    | 120 | 13,91  |  |
| 10244013              | 130   | 25    | 120 | 16,25  |  |
| 10244014              | 140   | 25    | 120 | 18,81  |  |
| 10244015              | 145   | 25    | 120 | 22,64  |  |
| 10244016              | 160   | 25    | 120 | 26,52  |  |
| 10244017              | 160   | 30    | 120 | 29,74  |  |
| 10244018              | 160   | 30    | 120 | 33,17  |  |
| 10244019              | 180   | 30    | 120 | 38,14  |  |
| 10244020              | 180   | 30    | 120 | 42,02  |  |
| 10244021              | 180   | 30    | 120 | 49,10  |  |
| 10244022              | 180   | 30    | 120 | 50,40  |  |
| 10244023              | 180   | 30    | 120 | 54,92  |  |
| 10244024              | 180   | 30    | 120 | 59,50  |  |
| 10244025              | 180   | 30    | 120 | 64,62  |  |
| 10244026              | 180   | 30    | 120 | 69,28  |  |
| 10244028              | 180   | 30    | 120 | 80,28  |  |
| 10244030              | 180   | 30    | 120 | 92,17  |  |
| 10244035              | 200   | 30    | 120 | 127,17 |  |
| 10244038              | 200   | 30    | 120 | 149,9  |  |
| 10244040              | 200   | 30    | 120 | 167,15 |  |
| 10244045              | 200   | 30    | 120 | 218,10 |  |
| 10244050              | 200   | 30    | 120 | 267,99 |  |
| 10244057              | 200   | 40    | 120 | 346,99 |  |
| 10244076              | 250   | 40    | 130 | 615,35 |  |

| Triple - Tripli 28-B-3 |       |       |     |         |
|------------------------|-------|-------|-----|---------|
| CODE                   | $d_m$ | $D_1$ | A   | kg.     |
| 10344008               | 74    | 30    | 180 | 7,04    |
| 10344009               | 88    | 30    | 180 | 9,89    |
| 10344010               | 100   | 30    | 180 | 13,10   |
| 10344011               | 112   | 30    | 180 | 16,73   |
| 10344012               | 125   | 30    | 180 | 20,84   |
| 10344013               | 130   | 30    | 180 | 24,70   |
| 10344014               | 140   | 30    | 180 | 28,93   |
| 10344015               | 145   | 30    | 180 | 34,58   |
| 10344016               | 160   | 30    | 180 | 40,44   |
| 10344017               | 160   | 30    | 180 | 45,77   |
| 10344018               | 160   | 30    | 180 | 51,76   |
| 10344019               | 180   | 30    | 180 | 58,07   |
| 10344020               | 180   | 30    | 180 | 64,49   |
| 10344021               | 180   | 30    | 180 | 71,28   |
| 10344023               | 180   | 30    | 180 | 85,94   |
| 10344025               | 180   | 40    | 180 | 112,07  |
| 10344030               | 180   | 40    | 180 | 148,79  |
| 10344038               | 200   | 40    | 180 | 244,01  |
| 10344040               | 200   | 40    | 180 | 271,10  |
| 10344045               | 200   | 40    | 180 | 352,63  |
| 10344057               | 220   | 40    | 180 | 567,76  |
| 10344076               | 250   | 40    | 190 | 1024,97 |





## 2" x 1" 1/4 (32-B)

### CHAIN SPROCKETS

|       |          |
|-------|----------|
| $r_3$ | 51,0 mm  |
| $C$   | 5,0 mm   |
| $B_1$ | 29,4 mm  |
| $b_1$ | 28,8 mm  |
| $B_2$ | 87,4 mm  |
| $B_3$ | 146,0 mm |

### CHAIN

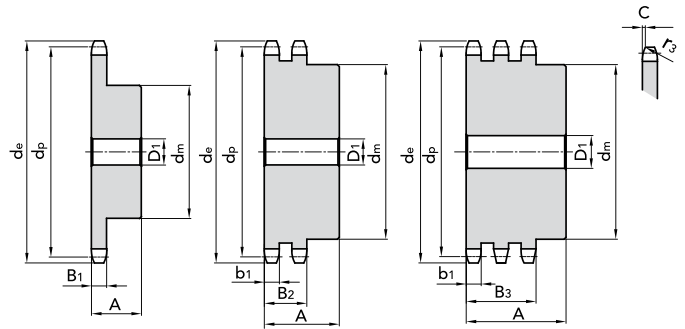
|             |          |
|-------------|----------|
| Pitch       | 50,80 mm |
| Inner width | 30,99 mm |
| Roller Ø    | 29,21 mm |

### MATERIAL

MATERIAL C45 EN 10083  
FOR MONOLITHIC CHAIN SPROCKETS

MATERIAL S235 JR EN 10025

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 32-B-1 |         |          |          |       |       |     |        |
|--------------------------|---------|----------|----------|-------|-------|-----|--------|
| Z                        | $d_e$   | $d_p$    | CODE     | $d_m$ | $D_1$ | A   | kg.    |
| 8                        | 153,20  | 132,69   | 10150008 | 82    | 25    | 80  | 4,20   |
| 9                        | 169,00  | 148,54   | 10150009 | 88    | 25    | 80  | 5,78   |
| 10                       | 185,00  | 164,44   | 10150010 | 104   | 25    | 80  | 7,60   |
| 11                       | 200,80  | 180,34   | 10150011 | 120   | 30    | 80  | 9,26   |
| 12                       | 216,80  | 196,29   | 10150012 | 133   | 30    | 80  | 10,91  |
| 13                       | 232,80  | 212,29   | 10150013 | 145   | 30    | 80  | 13,05  |
| 14                       | 248,80  | 228,29   | 10150014 | 160   | 30    | 80  | 14,25  |
| 15                       | 264,80  | 244,30   | 10150015 | 160   | 30    | 80  | 15,53  |
| 16                       | 280,90  | 260,40   | 10150016 | 160   | 30    | 90  | 19,87  |
| 17                       | 296,90  | 276,40   | 10150017 | 170   | 30    | 90  | 21,35  |
| 18                       | 313,00  | 292,55   | 10150018 | 170   | 30    | 90  | 22,92  |
| 19                       | 329,10  | 308,66   | 10150019 | 170   | 30    | 90  | 24,53  |
| 20                       | 345,20  | 324,71   | 10150020 | 180   | 30    | 90  | 28,50  |
| 21                       | 361,30  | 340,82   | 10150021 | 180   | 30    | 90  | 30,36  |
| 22                       | 377,50  | 356,98   | 10150022 | 180   | 30    | 90  | 32,31  |
| 23                       | 393,60  | 373,08   | 10150023 | 180   | 30    | 90  | 34,36  |
| 24                       | 409,70  | 389,18   | 10150024 | 180   | 30    | 90  | 36,50  |
| 25                       | 425,80  | 405,33   | 10150025 | 180   | 30    | 90  | 38,74  |
| 26                       | 441,90  | 421,44   | 10150026 | 180   | 30    | 90  | 41,07  |
| 27                       | 458,10  | 437,58   | 10150027 | 180   | 30    | 90  | 46,01  |
| 28                       | 474,20  | 453,69   | 10150028 | 180   | 30    | 90  | 46,01  |
| 29                       |         |          |          |       |       |     |        |
| 30                       | 506,50  | 486,00   | 10150030 | 180   | 30    | 90  | 51,34  |
| 32                       | 538,80  | 518,28   | 10150032 | 180   | 30    | 90  | 59,89  |
| 35                       | 589,50  | 566,72   | 10150035 | 180   | 30    | 90  | 69,16  |
| 38                       | 635,50  | 615,14   | 10150038 | 180   | 30    | 90  | 79,28  |
| 40                       | 670,30  | 647,49   | 10150040 | 180   | 30    | 90  | 86,50  |
| 45                       | 751,00  | 728,26   | 10150045 | 180   | 40    | 100 | 118,87 |
| 50                       | 831,80  | 809,04   | 10150050 | 180   | 40    | 100 | 140,96 |
| 57                       | 945,00  | 922,17   | 10150057 | 180   | 40    | 100 | 175,86 |
| 60                       | 993,40  | 970,63   | 10150060 | 180   | 40    | 100 | 192,24 |
| 76                       | 1.252,0 | 1.229,28 | 10150076 | 200   | 40    | 110 | 294,00 |

| Double - Doppi 32-B-2 |       |       |     |        |  |
|-----------------------|-------|-------|-----|--------|--|
| CODE                  | $d_m$ | $D_1$ | A   | kg.    |  |
| 10250008              | 82    | 30    | 120 | 6,65   |  |
| 10250009              | 88    | 30    | 120 | 9,14   |  |
| 10250010              | 104   | 30    | 120 | 12,01  |  |
| 10250011              | 120   | 30    | 120 | 14,75  |  |
| 10250012              | 133   | 30    | 120 | 17,95  |  |
| 10250013              | 145   | 30    | 120 | 21,68  |  |
| 10250014              | 160   | 30    | 120 | 25,03  |  |
| 10250015              | 160   | 30    | 120 | 29,30  |  |
| 10250016              | 160   | 30    | 120 | 33,21  |  |
| 10250017              | 180   | 30    | 120 | 38,76  |  |
| 10250018              | 180   | 30    | 120 | 43,24  |  |
| 10250019              | 200   | 30    | 120 | 49,52  |  |
| 10250020              | 200   | 30    | 120 | 54,56  |  |
| 10250021              | 200   | 30    | 120 | 59,87  |  |
| 10250022              | 200   | 30    | 120 | 65,47  |  |
| 10250023              | 200   | 30    | 120 | 71,35  |  |
| 10250024              | 200   | 30    | 120 | 77,52  |  |
| 10250025              | 200   | 30    | 120 | 83,66  |  |
| 10250026              | 200   | 30    | 120 | 90,69  |  |
| 10250027              | 200   | 30    | 120 | 98,50  |  |
| 10250028              | 200   | 30    | 120 | 104,99 |  |
| 10250030              | 200   | 30    | 120 | 120,41 |  |
| 10250035              | 200   | 30    | 120 | 163,85 |  |
| 10250038              | 200   | 40    | 120 | 193,33 |  |
| 10250040              | 200   | 40    | 120 | 214,39 |  |
| 10250045              | 200   | 40    | 120 | 282,32 |  |
| 10250050              | 200   | 40    | 120 | 346,95 |  |
| 10250057              | 220   | 40    | 120 | 449,27 |  |
| 10250076              | 250   | 40    | 130 | 796,60 |  |

| Triple - Tripli 32-B-3 |       |       |     |         |
|------------------------|-------|-------|-----|---------|
| CODE                   | $d_m$ | $D_1$ | A   | kg.     |
| 10350008               | 82    | 30    | 180 | 9,90    |
| 10350009               | 88    | 30    | 180 | 13,65   |
| 10350010               | 104   | 30    | 180 | 17,97   |
| 10350011               | 120   | 30    | 180 | 22,22   |
| 10350012               | 133   | 30    | 180 | 27,23   |
| 10350013               | 145   | 30    | 180 | 32,98   |
| 10350014               | 160   | 30    | 180 | 38,50   |
| 10350015               | 160   | 30    | 180 | 45,04   |
| 10350016               | 160   | 30    | 180 | 51,50   |
| 10350017               | 180   | 30    | 180 | 61,45   |
| 10350018               | 180   | 30    | 180 | 68,85   |
| 10350019               | 200   | 30    | 180 | 76,73   |
| 10350020               | 200   | 30    | 180 | 85,07   |
| 10350021               | 200   | 40    | 180 | 93,89   |
| 10350023               | 200   | 40    | 180 | 112,93  |
| 10350025               | 200   | 40    | 180 | 133,86  |
| 10350030               | 200   | 40    | 180 | 194,42  |
| 10350038               | 200   | 40    | 180 | 316,22  |
| 10350045               | 200   | 40    | 180 | 456,64  |
| 10350050               | 200   | 40    | 180 | 564,27  |
| 10350057               | 250   | 40    | 180 | 734,72  |
| 10350076               | 250   | 40    | 190 | 1319,64 |



## pitch 3/8" x 3/16" (06-A)

## CHAIN SPROCKETS

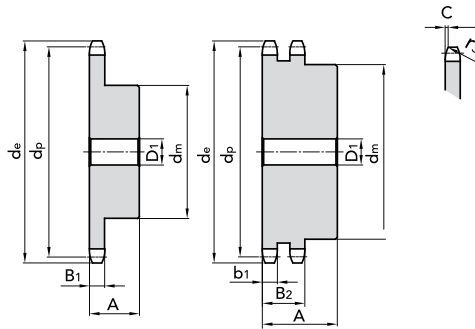
|       |         |
|-------|---------|
| $r_3$ | 10,0 mm |
| C     | 1,2 mm  |
| $B_1$ | 4,4 mm  |
| $b_1$ | 4,3 mm  |
| $B_2$ | 14,4 mm |

## MATERIAL

MATERIAL C45 EN 10083

## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 4,77 mm  |
| Roller Ø    | 5,08 mm  |



Simple - Semplici 06-A-1

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|--------|--------|----------|-------|-------|----|------|
| 8  |        |        |          |       |       |    |      |
| 9  | 31,50  | 27,85  | 11103009 | 18    | 8     | 20 | 0,05 |
| 10 | 35,70  | 30,82  | 11103010 | 20    | 8     | 22 | 0,05 |
| 11 | 38,69  | 33,80  | 11103011 | 22    | 8     | 25 | 0,08 |
| 12 | 41,68  | 36,80  | 11103012 | 25    | 8     | 25 | 0,10 |
| 13 | 44,68  | 39,80  | 11103013 | 28    | 10    | 25 | 0,12 |
| 14 | 47,68  | 42,80  | 11103014 | 31    | 10    | 25 | 0,15 |
| 15 | 50,69  | 45,81  | 11103015 | 34    | 10    | 25 | 0,19 |
| 16 | 53,70  | 48,82  | 11103016 | 37    | 10    | 28 | 0,24 |
| 17 | 56,72  | 51,83  | 11103017 | 38    | 10    | 28 | 0,28 |
| 18 | 59,73  | 54,85  | 11103018 | 38    | 10    | 28 | 0,32 |
| 19 | 62,75  | 57,87  | 11103019 | 46    | 10    | 28 | 0,36 |
| 20 | 65,77  | 60,89  | 11103020 | 46    | 10    | 28 | 0,38 |
| 21 | 68,79  | 63,91  | 11103021 | 46    | 10    | 28 | 0,41 |
| 22 | 71,81  | 66,93  | 11103022 | 52    | 12    | 28 | 0,45 |
| 23 | 74,83  | 69,95  | 11103023 | 52    | 12    | 28 | 0,49 |
| 24 | 77,85  | 72,97  | 11103024 | 52    | 12    | 28 | 0,54 |
| 25 | 80,88  | 76,00  | 11103025 | 58    | 12    | 28 | 0,60 |
| 26 | 83,90  | 79,02  | 11103026 | 58    | 12    | 28 | 0,66 |
| 27 | 86,93  | 82,04  | 11103027 | 58    | 12    | 28 | 0,67 |
| 28 | 89,95  | 85,07  | 11103028 | 60    | 12    | 28 | 0,68 |
| 30 | 96,00  | 91,12  | 11103030 | 60    | 12    | 28 | 0,71 |
| 31 | 97,9   | 94,15  | 11103031 | 65    | 14    | 30 | 0,87 |
| 32 | 100,9  | 97,17  | 11103032 | 65    | 14    | 30 | 0,86 |
| 33 | 103,9  | 100,20 | 11103033 | 65    | 14    | 30 | 1,13 |
| 34 | 106,9  | 103,23 |          |       |       |    |      |
| 35 | 110,0  | 106,26 | 11103035 | 65    | 14    | 30 | 0,94 |
| 36 | 114,17 | 109,29 | 11103036 | 70    | 16    | 30 | 1,05 |
| 37 | 116,0  | 112,32 | 11103037 | 70    | 16    | 30 | 1,09 |
| 38 | 119,0  | 115,34 | 11103038 | 70    | 16    | 30 | 1,08 |
| 39 | 122,1  | 118,37 | 11103039 | 70    | 16    | 30 | 1,10 |
| 40 |        |        |          |       |       |    |      |

Double - Doppi 06-A-2

| CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----------|-------|-------|----|------|
| 11203010 | 20    | 8     | 22 | 0,15 |
| 11203011 | 22    | 10    | 25 | 0,15 |
| 11203013 | 28    | 10    | 25 | 0,16 |
| 11203014 | 31    | 10    | 25 | 0,19 |
| 11203015 | 34    | 10    | 25 | 0,23 |
| 11203016 | 37    | 12    | 30 | 0,27 |
| 11203017 | 40    | 12    | 30 | 0,31 |
| 11203018 | 43    | 12    | 30 | 0,36 |
| 11203019 | 46    | 12    | 30 | 0,42 |
| 11203020 | 49    | 12    | 30 | 0,42 |
| 11203021 | 52    | 12    | 30 | 0,51 |
| 11203022 | 55    | 12    | 30 | 0,57 |
| 11203023 | 58    | 12    | 30 | 0,64 |
| 11203024 | 61    | 12    | 30 | 0,71 |
| 11203025 | 64    | 12    | 30 | 0,78 |
| 11203026 | 67    | 12    | 30 | 0,78 |
| 11203027 | 70    | 12    | 30 | 0,94 |
| 11203028 | 73    | 12    | 30 | 1,02 |
| 11203031 | 80    | 16    | 30 | 1,02 |
| 11203032 | 80    | 16    | 30 | 1,31 |
| 11203034 | 80    | 16    | 30 | 1,42 |
| 11203035 | 80    | 16    | 30 | 1,48 |
| 11203038 | 90    | 16    | 30 | 1,48 |
| 11203039 | 90    | 16    | 30 | 1,48 |



## pitch 1/2" x 5/16" (08-A)

## CHAIN SPROCKETS

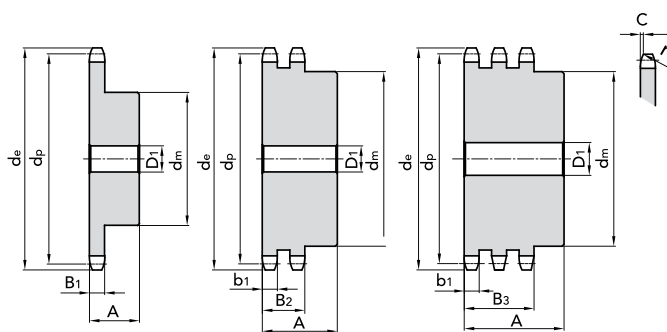
|       |         |
|-------|---------|
| $r_3$ | 13,5 mm |
| $C$   | 1,6 mm  |
| $B_1$ | 7,4 mm  |
| $b_1$ | 7,2 mm  |
| $B_2$ | 21,6 mm |
| $B_3$ | 36,0 mm |

## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 12,70 mm |
| Inner width | 7,94 mm  |
| Roller Ø    | 7,94 mm  |

## MATERIAL

MATERIAL C45 EN 10083



Simple - Semplici 08-A-1

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----|--------|--------|----------|-------|-------|----|------|
| 8  | 39,30  | 33,18  | 11104008 | 26    | 10    | 25 | 0,10 |
| 10 | 47,66  | 41,10  | 11104010 | 29    | 10    | 25 | 0,12 |
| 11 | 51,64  | 45,08  | 11104011 | 35    | 10    | 28 | 0,14 |
| 12 | 55,63  | 49,07  | 11104012 | 35    | 10    | 28 | 0,20 |
| 13 | 59,63  | 53,07  | 11104013 | 35    | 10    | 28 | 0,26 |
| 14 | 63,63  | 57,07  | 11104014 | 46    | 10    | 28 | 0,32 |
| 15 | 67,64  | 61,08  | 11104015 | 48    | 10    | 28 | 0,38 |
| 16 | 71,66  | 65,10  | 11104016 | 48    | 10    | 28 | 0,45 |
| 17 | 75,68  | 69,12  | 11104017 | 48    | 10    | 28 | 0,50 |
| 18 | 79,70  | 73,14  | 11104018 | 60    | 12    | 28 | 0,58 |
| 19 | 83,72  | 77,16  | 11104019 | 60    | 12    | 28 | 0,67 |
| 20 | 87,74  | 81,18  | 11104020 | 65    | 12    | 28 | 0,77 |
| 21 | 91,77  | 85,21  | 11104021 | 65    | 12    | 28 | 0,84 |
| 22 | 95,80  | 89,24  | 11104022 | 65    | 12    | 28 | 0,91 |
| 23 | 99,83  | 93,27  | 11104023 | 70    | 12    | 28 | 0,94 |
| 24 | 103,86 | 97,30  | 11104024 | 70    | 14    | 28 | 0,97 |
| 25 | 107,89 | 101,33 | 11104025 | 70    | 14    | 28 | 1,01 |
| 26 | 111,92 | 105,36 | 11104026 | 70    | 14    | 28 | 1,09 |
| 27 | 115,96 | 109,40 | 11104027 | 70    | 16    | 30 | 1,13 |
| 28 | 119,99 | 113,43 | 11104028 | 70    | 16    | 30 | 1,16 |
| 29 |        |        |          |       |       |    |      |
| 30 | 128,06 | 121,50 | 11104030 | 80    | 16    | 30 | 1,46 |
| 31 | 132,00 | 125,53 |          |       |       |    |      |
| 32 | 136,13 | 129,57 | 11104032 | 80    | 16    | 30 | 1,78 |
| 33 |        |        |          |       |       |    |      |
| 34 |        |        |          |       |       |    |      |
| 35 | 148,24 | 141,68 | 11104035 | 90    | 16    | 30 | 1,92 |
| 36 | 152,28 | 145,72 | 11104036 | 90    | 16    | 30 | 2,21 |
| 37 |        |        |          |       |       |    |      |
| 38 | 160,35 | 153,79 | 11104038 | 90    | 16    | 35 | 2,32 |
| 39 |        |        |          |       |       |    |      |
| 40 | 168,43 | 161,87 | 11104040 | 90    | 16    | 35 | 2,43 |

Double - Doppi 08-A-2

| CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----------|-------|-------|----|------|
| 11204010 | 28    | 10    | 32 | 0,19 |
| 11204011 | 32    | 12    | 35 | 0,29 |
| 11204012 | 35    | 12    | 35 | 0,35 |
| 11204013 | 38    | 12    | 35 | 0,43 |
| 11204014 | 42    | 12    | 35 | 0,52 |
| 11204015 | 46    | 12    | 35 | 0,62 |
| 11204016 | 50    | 14    | 35 | 0,73 |
| 11204017 | 54    | 14    | 35 | 0,83 |
| 11204018 | 58    | 14    | 35 | 0,97 |
| 11204019 | 62    | 14    | 35 | 1,12 |
| 11204020 | 66    | 14    | 35 | 1,28 |
| 11204021 | 70    | 16    | 40 | 1,37 |
| 11204022 | 70    | 16    | 40 | 1,46 |
| 11204023 | 70    | 16    | 40 | 1,63 |
| 11204024 | 75    | 16    | 40 | 1,82 |
| 11204025 | 80    | 16    | 40 | 2,01 |
| 11204026 | 85    | 20    | 40 | 2,12 |
| 11204027 | 85    | 20    | 40 | 2,33 |
| 11204028 | 90    | 20    | 40 | 2,79 |
|          |       |       |    |      |
| 11204030 | 100   | 20    | 40 | 3,25 |
| 11204031 | 100   | 20    | 40 | 3,33 |
|          |       |       |    |      |
|          |       |       |    |      |
| 11204035 | 100   | 20    | 40 | 3,60 |
|          |       |       |    |      |
| 11204038 | 100   | 20    | 40 | 3,84 |
|          |       |       |    |      |

Triple - Tripli 08-A-3

| CODE     | $d_m$ | $D_1$ | A  | kg.  |
|----------|-------|-------|----|------|
| 11304010 | 28    | 14    | 50 | 0,24 |
|          |       |       |    |      |
| 11304012 | 35    | 14    | 50 | 0,39 |
| 11304013 | 38    | 14    | 50 | 0,49 |
| 11304014 | 42    | 14    | 50 | 0,60 |
| 11304015 | 46    | 14    | 50 | 0,72 |
| 11304016 | 50    | 16    | 50 | 0,85 |
| 11304017 | 54    | 16    | 50 | 0,99 |
| 11304018 | 58    | 16    | 50 | 1,14 |
| 11304019 | 62    | 16    | 50 | 1,30 |
| 11304020 | 66    | 16    | 50 | 1,47 |
| 11304021 | 70    | 20    | 55 | 1,79 |
| 11304022 | 70    | 20    | 55 | 1,93 |
| 11304023 | 70    | 20    | 55 | 2,08 |
| 11304024 | 75    | 20    | 55 | 2,32 |
| 11304025 | 80    | 20    | 55 | 2,57 |
| 11304026 | 85    | 20    | 55 | 2,79 |
| 11304027 | 85    | 20    | 55 | 2,96 |
| 11304028 | 90    | 20    | 55 | 3,25 |
|          |       |       |    |      |
|          |       |       |    |      |
|          |       |       |    |      |
| 11304038 | 120   | 25    | 55 | 6,14 |
|          |       |       |    |      |
| 11304040 | 120   | 25    | 55 | 6,66 |



## pitch 5/8" x 3/8" (10-A)

## CHAIN SPROCKETS

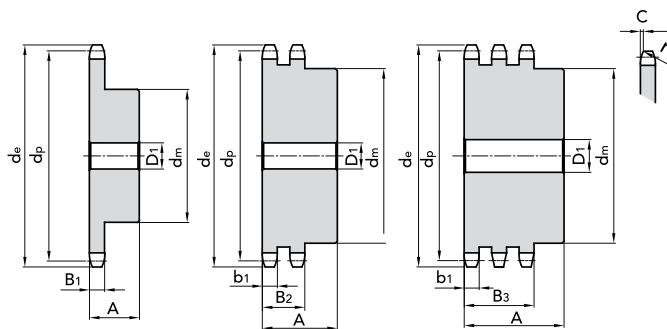
|       |         |
|-------|---------|
| $r_3$ | 17,0 mm |
| $C$   | 2,0 mm  |
| $B_1$ | 9,0 mm  |
| $b_1$ | 8,8 mm  |
| $B_2$ | 26,9 mm |
| $B_3$ | 45,0 mm |

## CHAIN

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,52 mm   |
| Roller Ø    | 10,16 mm  |

## MATERIAL

MATERIAL C45 EN 10083  
SIMPLE SPROCKETS CORRESPOND TO  
5/8 PITCH ISO SPROCKETS



| Simple - Semplici 10-A-1 |        |        |          |       |       |    |      |
|--------------------------|--------|--------|----------|-------|-------|----|------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
| 8                        | 47,00  | 41,48  | 10115008 | 25    | 10    | 25 | 0,12 |
| 9                        | 52,60  | 46,42  | 10115009 | 30    | 10    | 25 | 0,16 |
| 10                       | 57,50  | 51,37  | 10115010 | 35    | 10    | 25 | 0,22 |
| 11                       | 63,00  | 56,34  | 10115011 | 37    | 12    | 30 | 0,29 |
| 12                       | 68,00  | 61,34  | 10115012 | 42    | 12    | 30 | 0,37 |
| 13                       | 73,00  | 66,32  | 10115013 | 47    | 12    | 30 | 0,46 |
| 14                       | 78,00  | 71,34  | 10115014 | 52    | 12    | 30 | 0,56 |
| 15                       | 83,00  | 76,36  | 10115015 | 57    | 12    | 30 | 0,67 |
| 16                       | 88,00  | 81,37  | 10115016 | 60    | 12    | 30 | 0,76 |
| 17                       | 93,00  | 86,39  | 10115017 | 60    | 12    | 30 | 0,88 |
| 18                       | 98,00  | 91,42  | 10115018 | 70    | 14    | 30 | 1,01 |
| 19                       | 103,30 | 96,45  | 10115019 | 70    | 14    | 30 | 1,15 |
| 20                       | 108,40 | 101,49 | 10115020 | 75    | 14    | 30 | 1,21 |
| 21                       | 113,40 | 106,52 | 10115021 | 75    | 16    | 30 | 1,35 |
| 22                       | 118,00 | 111,55 | 10115022 | 80    | 16    | 30 | 1,41 |
| 23                       | 123,40 | 116,58 | 10115023 | 80    | 16    | 30 | 1,47 |
| 24                       | 128,30 | 121,62 | 10115024 | 80    | 16    | 30 | 1,54 |
| 25                       | 134,00 | 126,66 | 10115025 | 80    | 16    | 30 | 1,60 |
| 26                       | 139,00 | 131,70 | 10115026 | 85    | 20    | 35 | 1,96 |
| 27                       | 144,00 | 136,75 | 10115027 | 85    | 20    | 35 | 2,04 |
| 28                       | 148,70 | 141,78 | 10115028 | 90    | 20    | 35 | 2,25 |
| 29                       | 153,80 | 146,83 | 10115029 | 90    | 20    | 35 | 2,33 |
| 30                       | 158,80 | 151,87 | 10115030 | 90    | 20    | 35 | 2,41 |
| 31                       | 163,90 | 156,92 | 10115031 | 95    | 20    | 35 | 2,64 |
| 32                       | 168,90 | 161,95 | 10115032 | 95    | 20    | 35 | 2,73 |
| 33                       | 174,50 | 167,00 | 10115033 | 95    | 20    | 35 | 2,82 |
| 34                       | 179,00 | 172,05 | 10115034 | 95    | 20    | 35 | 2,92 |
| 35                       | 184,10 | 177,10 | 10115035 | 95    | 20    | 35 | 3,01 |
| 36                       | 189,10 | 182,15 | 10115036 | 100   | 20    | 35 | 3,27 |
| 37                       | 194,20 | 187,20 | 10115037 | 100   | 20    | 35 | 3,37 |
| 38                       | 199,20 | 192,24 | 10115038 | 100   | 20    | 35 | 3,47 |
| 39                       | 204,20 | 197,29 | 10115039 | 100   | 20    | 35 | 3,58 |
| 40                       | 209,30 | 202,34 | 10115040 | 100   | 20    | 35 | 3,69 |

| Double - Doppi 10-A-2 |       |       |    |      |  |
|-----------------------|-------|-------|----|------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.  |  |
| 11205013              | 49    | 14    | 40 | 0,67 |  |
| 11205014              | 54    | 14    | 40 | 0,82 |  |
| 11205015              | 59    | 14    | 40 | 0,97 |  |
| 11205016              | 64    | 16    | 45 | 1,25 |  |
| 11205017              | 69    | 16    | 45 | 1,45 |  |
| 11205018              | 74    | 16    | 45 | 1,56 |  |
| 11205019              | 79    | 16    | 45 | 1,67 |  |
| 11205020              | 84    | 16    | 45 | 2,14 |  |
| 11205021              | 85    | 16    | 45 | 2,27 |  |
| 11205022              | 90    | 16    | 45 | 2,54 |  |
| 11205023              | 95    | 16    | 45 | 2,81 |  |
| 11205024              | 100   | 16    | 45 | 3,11 |  |
| 11205025              | 105   | 16    | 45 | 3,14 |  |

| Triple - Tripli 10-A-3 |       |       |    |      |  |
|------------------------|-------|-------|----|------|--|
| CODE                   | $d_m$ | $D_1$ | A  | kg.  |  |
| 11305012               | 44    | 16    | 55 | 0,54 |  |
| 11305013               | 49    | 16    | 55 | 0,67 |  |
| 11305014               | 54    | 16    | 55 | 0,82 |  |
| 11305015               | 59    | 16    | 55 | 0,97 |  |
| 11305016               | 64    | 16    | 60 | 1,25 |  |
| 11305017               | 69    | 16    | 60 | 1,45 |  |
| 11305018               | 74    | 16    | 60 | 1,56 |  |
| 11305019               | 79    | 16    | 60 | 1,67 |  |
| 11305020               | 84    | 16    | 60 | 2,14 |  |
| 11305021               | 85    | 20    | 60 | 2,27 |  |
| 11305022               | 90    | 20    | 60 | 2,54 |  |
| 11305023               | 95    | 20    | 60 | 2,81 |  |
| 11305024               | 100   | 20    | 60 | 3,11 |  |
| 11305025               | 105   | 20    | 60 | 3,14 |  |
| 11305026               | 110   | 20    | 60 | 3,74 |  |
| 11305027               | 110   | 20    | 60 | 3,94 |  |
| 11305028               | 115   | 20    | 60 | 4,28 |  |



## pitch 3/4" x 1/2" (12-A)

### CHAIN SPROCKETS

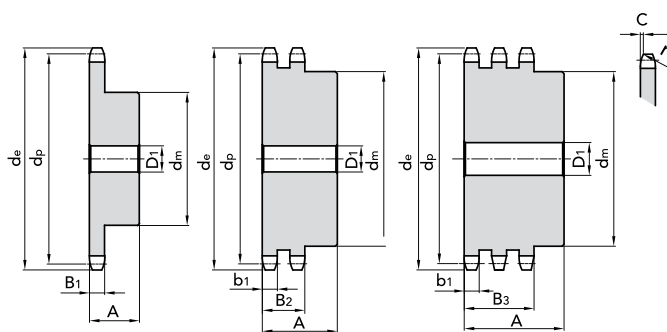
|       |         |
|-------|---------|
| $r_3$ | 20,0 mm |
| $C$   | 2,4 mm  |
| $B_1$ | 12,0 mm |
| $b_1$ | 11,8 mm |
| $B_2$ | 34,6 mm |
| $B_3$ | 57,4 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 12,70 mm |
| Roller Ø    | 11,91 mm |

### MATERIAL

MATERIAL C45 EN 10083



| Simple - Semplici 12-A-1 |        |        |          |       |       |    |      | Double - Doppi 12-A-2 |       |       |    |      | Triple - Tripli 12-A-3 |       |       |    |      |
|--------------------------|--------|--------|----------|-------|-------|----|------|-----------------------|-------|-------|----|------|------------------------|-------|-------|----|------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  | CODE                  | $d_m$ | $D_1$ | A  | kg.  | CODE                   | $d_m$ | $D_1$ | A  | kg.  |
| 10                       | 71,54  | 61,64  | 11106010 | 42    | 12    | 30 | 0,38 | 11206010              | 42    | 12    | 45 | 0,58 | 11306010               | 42    | 16    | 65 | 0,86 |
| 11                       | 77,51  | 67,61  | 11106011 | 45    | 12    | 30 | 0,50 | 11206011              | 47    | 16    | 50 | 0,80 |                        |       |       |    |      |
| 12                       | 83,49  | 73,61  | 11106012 | 45    | 12    | 30 | 0,64 | 11206012              | 53    | 16    | 50 | 1,01 | 11306012               | 53    | 20    | 70 | 1,47 |
| 13                       | 89,49  | 79,59  | 11106013 | 60    | 14    | 35 | 0,80 | 11206013              | 59    | 16    | 50 | 1,24 | 11306013               | 59    | 20    | 70 | 1,78 |
| 14                       | 95,50  | 85,61  | 11106014 | 60    | 14    | 35 | 0,97 | 11206014              | 65    | 16    | 50 | 1,45 | 11306014               | 65    | 20    | 70 | 2,16 |
| 15                       | 101,52 | 91,63  | 11106015 | 60    | 14    | 35 | 1,16 | 11206015              | 71    | 16    | 50 | 1,73 | 11306015               | 71    | 20    | 70 | 2,52 |
| 16                       | 107,54 | 97,65  | 11106016 | 75    | 16    | 35 | 1,34 | 11206016              | 77    | 20    | 50 | 2,03 | 11306016               | 77    | 20    | 70 | 2,93 |
| 17                       | 113,56 | 103,67 | 11106017 | 75    | 16    | 35 | 1,53 | 11206017              | 83    | 20    | 50 | 2,35 | 11306017               | 83    | 20    | 70 | 3,44 |
| 18                       | 119,59 | 109,71 | 11106018 | 75    | 16    | 35 | 1,61 | 11206018              | 89    | 20    | 50 | 2,70 | 11306018               | 89    | 20    | 70 | 3,91 |
| 19                       | 125,63 | 115,75 | 11106019 | 80    | 16    | 35 | 1,70 | 11206019              | 95    | 20    | 50 | 3,06 | 11306019               | 95    | 20    | 70 | 4,43 |
| 20                       | 131,67 | 121,78 | 11106020 | 80    | 16    | 35 | 1,84 | 11206020              | 100   | 20    | 50 | 3,45 | 11306020               | 100   | 20    | 70 | 4,96 |
| 21                       | 137,71 | 127,82 | 11106021 | 80    | 16    | 35 | 2,35 | 11206021              | 100   | 20    | 50 | 3,69 | 11306021               | 100   | 20    | 70 | 5,41 |
| 22                       | 143,75 | 133,86 | 11106022 | 90    | 20    | 40 | 2,45 | 11206022              | 100   | 20    | 50 | 3,96 | 11306022               | 100   | 20    | 70 | 59,7 |
| 23                       | 149,79 | 139,90 | 11106023 | 90    | 20    | 40 | 2,56 | 11206023              | 110   | 20    | 50 | 4,50 | 11306023               | 110   | 20    | 70 | 6,64 |
| 24                       | 155,84 | 145,94 | 11106024 | 90    | 20    | 40 | 2,67 | 11206024              | 110   | 20    | 50 | 4,81 | 11306024               | 110   | 20    | 70 | 7,21 |
| 25                       | 161,88 | 152,00 | 11106025 | 90    | 20    | 40 | 2,79 | 11206025              | 120   | 20    | 50 | 5,40 | 11306025               | 120   | 20    | 70 | 7,97 |
| 26                       | 167,93 | 158,04 | 11106026 | 90    | 20    | 40 | 3,08 | 11206026              | 120   | 20    | 50 | 5,73 |                        |       |       |    |      |
| 27                       | 173,98 | 164,09 | 11106027 | 90    | 20    | 40 | 3,21 | 11206027              | 120   | 20    | 50 | 6,05 |                        |       |       |    |      |
| 28                       | 180,03 | 170,13 | 11106028 | 95    | 20    | 40 | 3,34 | 11206028              | 120   | 20    | 50 | 6,43 |                        |       |       |    |      |
| 30                       | 192,14 | 182,25 | 11106030 | 95    | 20    | 40 | 3,62 | 11206030              | 120   | 20    | 50 | 7,18 |                        |       |       |    |      |



## pitch 1" x 5/8" (16-A)

## CHAIN SPROCKETS

|       |         |
|-------|---------|
| $r_3$ | 27,0 mm |
| $C$   | 3,2 mm  |
| $B_1$ | 15,0 mm |
| $b_1$ | 14,7 mm |
| $B_2$ | 44,0 mm |
| $B_3$ | 73,3 mm |

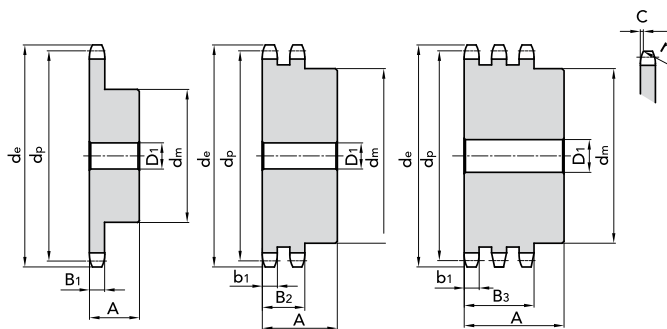
## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 15,88 mm |
| Roller Ø    | 15,88 mm |

## MATERIAL

MATERIAL C45 EN 10083

WELDED HUB - MOZZO SALDATO



| Simple - Semplici 16-A-1 |        |        |          |       |       |    |      |
|--------------------------|--------|--------|----------|-------|-------|----|------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.  |
| 8                        |        |        |          |       |       |    |      |
| 9                        |        |        |          |       |       |    |      |
| 10                       | 95,32  | 82,79  | 11108010 | 55    | 16    | 35 | 0,82 |
| 11                       | 103,28 | 90,14  | 11108011 | 61    | 16    | 40 | 1,13 |
| 12                       | 111,26 | 98,14  | 11108012 | 69    | 16    | 40 | 1,42 |
| 13                       | 119,26 | 106,12 | 11108013 | 78    | 16    | 40 | 1,77 |
| 14                       | 127,27 | 114,15 | 11108014 | 84    | 16    | 40 | 2,07 |
| 15                       | 135,29 | 122,17 | 11108015 | 92    | 16    | 40 | 2,46 |
| 16                       | 143,32 | 130,20 | 11108016 | 100   | 20    | 45 | 3,13 |
| 17                       | 151,35 | 138,22 | 11108017 | 100   | 20    | 45 | 3,34 |
| 18                       | 159,39 | 146,28 | 11108018 | 100   | 20    | 45 | 3,55 |
| 19                       | 167,44 | 154,33 | 11108019 | 100   | 20    | 45 | 3,78 |
| 20                       | 175,49 | 162,38 | 11108020 | 100   | 20    | 45 | 4,02 |
| 21                       | 183,54 | 170,43 | 11108021 | 110   | 20    | 50 | 5,01 |
| 22                       | 191,60 | 178,48 | 11108022 | 110   | 20    | 50 | 5,26 |
| 23                       | 199,66 | 186,54 | 11108023 | 110   | 20    | 50 | 5,56 |
| 24                       | 207,72 | 194,59 | 11108024 | 110   | 20    | 50 | 5,85 |
| 25                       | 215,78 | 202,66 | 11108025 | 110   | 20    | 50 | 6,16 |
| 26                       | 223,84 | 210,72 | 11108026 | 120   | 20    | 50 | 6,96 |
| 27                       | 231,91 | 218,79 | 11108027 | 120   | 20    | 50 | 7,29 |
| 28                       | 239,98 | 226,85 | 11108028 | 120   | 20    | 50 | 7,64 |
| 29                       |        |        |          |       |       |    |      |
| 30                       | 256,12 | 243,00 | 11108030 | 120   | 20    | 50 | 7,96 |

| Double - Doppi 16-A-2 |       |       |    |      |  |
|-----------------------|-------|-------|----|------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.  |  |
| 11208010              | 56    | 20    | 65 | 1,52 |  |
| 11208012              | 72    | 20    | 70 | 2,60 |  |
| 11208013              | 78    | 20    | 70 | 3,22 |  |
| 11208014              | 86    | 20    | 70 | 3,82 |  |
| 11208015              | 94    | 20    | 70 | 4,51 |  |
| 11208016              | 102   | 20    | 70 | 5,17 |  |
| 11208017              | 110   | 20    | 70 | 5,97 |  |
| 11208018              | 118   | 20    | 70 | 6,84 |  |
| 11208019              | 126   | 20    | 70 | 7,75 |  |
| 11208020              | 130   | 20    | 70 | 8,43 |  |
| 11208021              | 130   | 25    | 70 | 9,24 |  |

| Triple - Tripli 16-A-3 |       |       |     |       |  |
|------------------------|-------|-------|-----|-------|--|
| CODE                   | $d_m$ | $D_1$ | A   | kg.   |  |
| 11308012               | 72    | 25    | 100 | 3,62  |  |
| 11308013               | 78    | 25    | 100 | 4,45  |  |
| 11308014               | 86    | 25    | 100 | 5,37  |  |
| 11308015               | 94    | 25    | 100 | 6,37  |  |
| 11308016               | 102   | 30    | 100 | 7,45  |  |
| 11308017               | 110   | 30    | 100 | 8,60  |  |
| 11308018               | 118   | 30    | 100 | 9,84  |  |
| 11308019               | 126   | 30    | 100 | 11,16 |  |
| 11308020               | 130   | 30    | 100 | 12,36 |  |

11208025 130 25 70 12,52



## pitch 1" 1/4 x 3/4" (20-A)

### CHAIN SPROCKETS

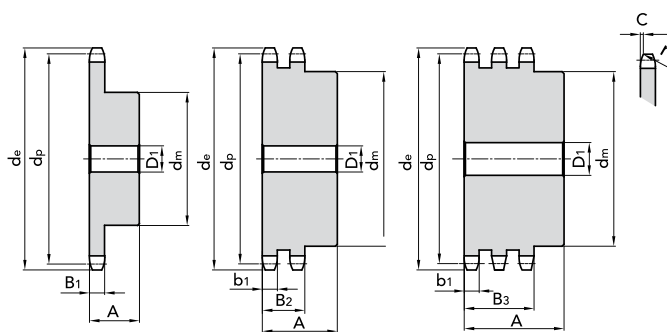
|       |         |
|-------|---------|
| $r_3$ | 33,5 mm |
| $C$   | 4,0 mm  |
| $B_1$ | 18,0 mm |
| $b_1$ | 17,7 mm |
| $B_2$ | 53,5 mm |
| $B_3$ | 89,2 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,05 mm |
| Roller Ø    | 19,05 mm |

### MATERIAL

MATERIAL C45 EN 10083



| Simple - Semplici 20-A-1 |        |        |          |       |       |    |       |
|--------------------------|--------|--------|----------|-------|-------|----|-------|
| Z                        | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.   |
| 8                        | 98,10  | 82,96  | 11110008 | 53    | 20    | 40 | 0,85  |
| 9                        | 108,00 | 92,84  | 11110009 | 63    | 20    | 40 | 1,18  |
| 10                       | 117,90 | 102,74 | 11110010 | 70    | 20    | 40 | 1,57  |
| 11                       | 127,80 | 112,68 | 11110011 | 77    | 20    | 45 | 2,04  |
| 12                       | 137,80 | 122,68 | 11110012 | 88    | 20    | 45 | 2,58  |
| 13                       | 147,80 | 132,65 | 11110013 | 98    | 20    | 45 | 3,15  |
| 14                       | 157,80 | 142,68 | 11110014 | 108   | 20    | 45 | 3,78  |
| 15                       | 167,90 | 152,72 | 11110015 | 118   | 20    | 45 | 4,47  |
| 16                       | 177,90 | 162,75 | 11110016 | 120   | 25    | 50 | 5,25  |
| 17                       | 187,90 | 172,78 | 11110017 | 120   | 25    | 50 | 5,61  |
| 18                       | 198,00 | 182,85 | 11110018 | 120   | 25    | 50 | 5,99  |
| 19                       | 208,10 | 192,91 | 11110019 | 120   | 25    | 50 | 6,40  |
| 20                       | 218,10 | 202,95 | 11110020 | 120   | 25    | 50 | 6,82  |
| 21                       | 228,20 | 213,04 | 11110021 | 140   | 25    | 55 | 8,79  |
| 22                       | 238,30 | 223,11 | 11110022 | 140   | 25    | 55 | 9,27  |
| 23                       | 248,30 | 233,17 | 11110023 | 140   | 25    | 55 | 9,77  |
| 24                       | 258,40 | 243,23 | 11110024 | 140   | 25    | 55 | 10,30 |
| 25                       | 268,50 | 253,33 | 11110025 | 140   | 25    | 55 | 10,85 |

| Double - Doppi 20-A-2 |       |       |    |      |  |
|-----------------------|-------|-------|----|------|--|
| CODE                  | $d_m$ | $D_1$ | A  | kg.  |  |
| 11210011              | 80    | 25    | 80 | 3,72 |  |
| 11210012              | 90    | 20    | 80 | 4,66 |  |
| 11210013              | 100   | 20    | 80 | 5,70 |  |
| 11210014              | 110   | 20    | 80 | 6,84 |  |
| 11210015              | 120   | 20    | 80 | 8,08 |  |
| 11210016              | 120   | 25    | 80 | 8,90 |  |
| 11210017              | 120   | 25    | 80 | 9,92 |  |

| Triple - Tripli 20-A-3 |       |       |     |      |  |
|------------------------|-------|-------|-----|------|--|
| CODE                   | $d_m$ | $D_1$ | A   | kg.  |  |
| 11310014               | 110   | 30    | 115 | 9,71 |  |
| 11310017               | 420   | 30    | 115 | 14,6 |  |







## pitch 1" 1/2 x 1" (24-A)

**CHAIN SPROCKETS**

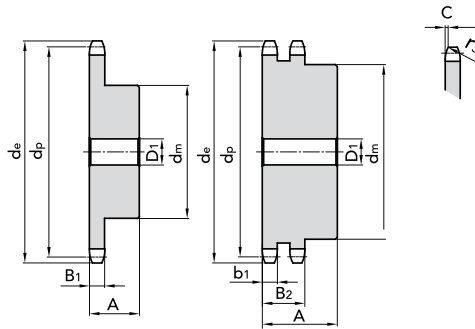
|       |         |
|-------|---------|
| $r_3$ | 40,5 mm |
| $C$   | 4,8 mm  |
| $B_1$ | 24,1 mm |
| $b_1$ | 23,6 mm |
| $B_2$ | 69,0 mm |

**MATERIAL**

MATERIAL C45 EN 10083

**WELDED HUB - MOZZO SALDATO**
**CHAIN**

|             |          |
|-------------|----------|
| Pitch       | 38,10 mm |
| Inner width | 25,40 mm |
| Roller Ø    | 22,22 mm |


**Simple - Semplici 24-A-1**

| Z  | $d_e$  | $d_p$  | CODE     | $d_m$ | $D_1$ | A  | kg.   |
|----|--------|--------|----------|-------|-------|----|-------|
| 8  | 119,04 | 99,55  | 11112008 | 58    | 20    | 45 | 2,05  |
| 9  | 130,88 | 111,40 | 11112009 | 70    | 20    | 45 | 2,67  |
| 10 | 142,77 | 123,29 | 11112010 | 80    | 20    | 45 | 3,45  |
| 11 | 154,71 | 135,21 | 11112011 | 90    | 25    | 50 | 4,26  |
| 12 | 165,00 | 147,22 | 11112012 | 102   | 25    | 50 | 5,22  |
| 13 | 178,68 | 159,18 | 11112013 | 114   | 25    | 50 | 6,29  |
| 14 | 190,70 | 171,22 | 11112014 | 128   | 25    | 50 | 7,05  |
| 15 | 202,73 | 183,26 | 11112015 | 140   | 25    | 50 | 8,12  |
| 17 |        |        |          |       |       |    |       |
| 18 |        |        |          |       |       |    |       |
| 19 | 245,5  | 231,49 | 11112019 | 136   | 25    | 55 | 10,05 |

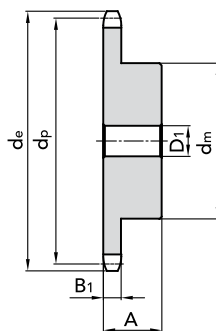
**Double - Doppi 24-A-2**

| CODE     | $d_m$ | $D_1$ | A   | kg.   |
|----------|-------|-------|-----|-------|
| 11212011 | 90    | 25    | 100 | 6,62  |
| 11212012 | 102   | 25    | 100 | 8,28  |
| 11212013 | 114   | 25    | 100 | 10,13 |
| 11212014 | 128   | 25    | 100 | 12,24 |
| 11212015 | 140   | 25    | 100 | 14,08 |

On demand we can manufacture ASA sprockets and pitches not shown on this catalogue.



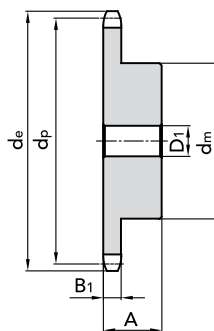
MATERIAL  
STAINLESS STEEL AISI 304 L



| PITCH        | Z  | d <sub>e</sub> | CODE     | d <sub>p</sub> | d <sub>m</sub> | D <sub>1</sub> | A     | B <sub>1</sub> | Kg   |
|--------------|----|----------------|----------|----------------|----------------|----------------|-------|----------------|------|
| 3/8" x 7/32" | 12 | 40,00          | 14109012 | 36,80          | 25,00          | 8,00           | 25,00 | 5,3            | 0,12 |
|              | 13 | 43,00          | 14109013 | 39,79          | 28,00          | 10,00          | 25,00 | 5,3            | 0,13 |
| 06-B-1       | 15 | 49,00          | 14109015 | 45,81          | 34,00          | 10,00          | 25,00 | 5,3            | 0,19 |
|              | 16 | 52,30          | 14109016 | 48,82          | 37,00          | 10,00          | 28,00 | 5,3            | 0,24 |
|              | 17 | 55,30          | 14109017 | 51,83          | 40,00          | 10,00          | 28,00 | 5,3            | 0,28 |
|              | 18 | 58,30          | 14109018 | 54,85          | 43,00          | 10,00          | 28,00 | 5,3            | 0,33 |
|              | 19 | 61,30          | 14109019 | 57,87          | 45,00          | 10,00          | 28,00 | 5,3            | 0,36 |
|              | 20 | 64,30          | 14109020 | 60,89          | 46,00          | 10,00          | 28,00 | 5,3            | 0,39 |
|              | 21 | 68,00          | 14109021 | 63,91          | 48,00          | 12,00          | 28,00 | 5,3            | 0,42 |
|              | 23 | 73,50          | 14109023 | 69,65          | 52,00          | 12,00          | 28,00 | 5,3            | 0,50 |
|              | 25 | 80,00          | 14109025 | 76,00          | 57,00          | 12,00          | 28,00 | 5,3            | 0,60 |
|              | 30 | 94,70          | 14109030 | 91,12          | 60,00          | 12,00          | 30,00 | 5,3            | 0,72 |
| 1/2" x 5/16" | 12 | 53,00          | 14112012 | 49,07          | 33,00          | 10,00          | 28,00 | 7,2            | 0,21 |
|              | 13 | 57,90          | 14112013 | 53,06          | 37,00          | 10,00          | 28,00 | 7,2            | 0,26 |
| 08-B-1       | 15 | 65,90          | 14112015 | 61,09          | 45,00          | 10,00          | 28,00 | 7,2            | 0,38 |
|              | 16 | 69,90          | 14112016 | 65,10          | 50,00          | 12,00          | 28,00 | 7,2            | 0,46 |
|              | 17 | 74,00          | 14112017 | 69,11          | 52,00          | 12,00          | 28,00 | 7,2            | 0,51 |
|              | 18 | 78,00          | 14112018 | 73,14          | 56,00          | 12,00          | 28,00 | 7,2            | 0,59 |
|              | 19 | 82,00          | 14112019 | 77,16          | 60,00          | 12,00          | 28,00 | 7,2            | 0,67 |
|              | 20 | 86,00          | 14112020 | 81,19          | 64,00          | 12,00          | 28,00 | 7,2            | 0,76 |
|              | 21 | 90,01          | 14112021 | 85,22          | 68,00          | 14,00          | 28,00 | 7,2            | 0,85 |
|              | 23 | 98,01          | 14112023 | 93,27          | 70,00          | 14,00          | 28,00 | 7,2            | 0,94 |
|              | 25 | 106,20         | 14112025 | 101,33         | 70,00          | 14,00          | 28,00 | 7,2            | 1,01 |
|              | 30 | 126,30         | 14112030 | 121,50         | 80,00          | 16,00          | 30,00 | 7,2            | 1,46 |
| 5/8" x 3/8"  | 12 | 68,00          | 14115012 | 61,34          | 42,00          | 12,00          | 30,00 | 9,1            | 0,37 |
|              | 13 | 73,00          | 14115013 | 66,32          | 47,00          | 12,00          | 30,00 | 9,1            | 0,46 |
| 10-B-1       | 15 | 83,00          | 14115015 | 76,36          | 57,00          | 12,00          | 30,00 | 9,1            | 0,67 |
|              | 16 | 88,00          | 14115016 | 81,37          | 60,00          | 12,00          | 30,00 | 9,1            | 0,76 |
|              | 17 | 93,00          | 14115017 | 86,39          | 60,00          | 12,00          | 30,00 | 9,1            | 0,88 |
|              | 18 | 98,30          | 14115018 | 91,42          | 70,00          | 14,00          | 30,00 | 9,1            | 1,01 |
|              | 19 | 103,30         | 14115019 | 96,45          | 70,00          | 14,00          | 30,00 | 9,1            | 1,15 |
|              | 20 | 108,40         | 14115020 | 101,49         | 75,00          | 14,00          | 30,00 | 9,1            | 1,21 |
|              | 21 | 113,40         | 14115021 | 106,52         | 80,00          | 16,00          | 30,00 | 9,1            | 1,35 |
|              | 23 | 123,40         | 14115023 | 116,58         | 80,00          | 16,00          | 30,00 | 9,1            | 1,47 |
|              | 25 | 134,00         | 14115025 | 126,66         | 80,00          | 16,00          | 30,00 | 9,1            | 1,60 |
|              | 30 | 158,80         | 14115030 | 151,87         | 90,00          | 20,00          | 35,00 | 9,1            | 2,41 |



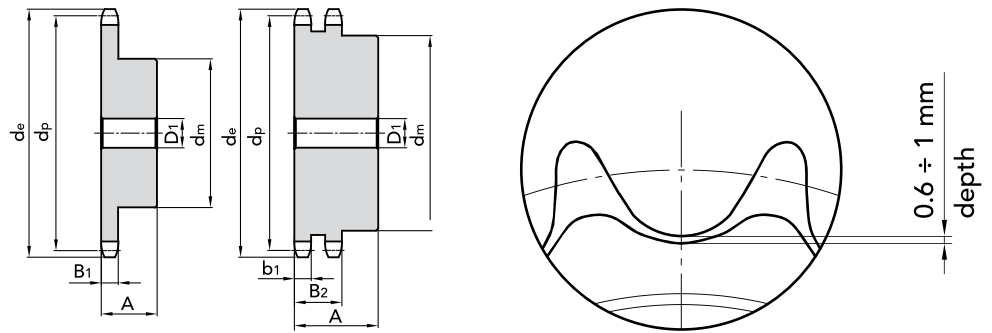
**MATERIAL**  
STAINLESS STEEL AISI 304 L



| PITCH               | Z  | d <sub>e</sub> | CODE     | d <sub>p</sub> | d <sub>m</sub> | D <sub>1</sub> | A     | B <sub>1</sub> | Kg   |
|---------------------|----|----------------|----------|----------------|----------------|----------------|-------|----------------|------|
| <b>3/4" x 7/16"</b> | 12 | 81,50          | 14119012 | 73,61          | 52,00          | 14,00          | 35,00 | 11,1           | 0,65 |
|                     | 13 | 87,50          | 14119013 | 79,59          | 58,00          | 16,00          | 35,00 | 11,1           | 0,80 |
| <b>12-B-1</b>       | 15 | 99,80          | 14119015 | 91,63          | 70,00          | 16,00          | 35,00 | 11,1           | 1,16 |
|                     | 16 | 105,50         | 14119016 | 97,65          | 75,00          | 16,00          | 35,00 | 11,1           | 1,34 |
|                     | 17 | 111,50         | 14119017 | 103,67         | 80,00          | 16,00          | 35,00 | 11,1           | 1,53 |
|                     | 18 | 118,00         | 14119018 | 109,71         | 80,00          | 16,00          | 35,00 | 11,1           | 1,61 |
|                     | 19 | 124,20         | 14119019 | 115,75         | 80,00          | 16,00          | 35,00 | 11,1           | 1,70 |
|                     | 20 | 129,70         | 14119020 | 121,78         | 80,00          | 16,00          | 35,00 | 11,1           | 1,80 |
|                     | 21 | 136,00         | 14119021 | 127,82         | 90,00          | 20,00          | 40,00 | 11,1           | 2,35 |
|                     | 23 | 149,00         | 14119023 | 139,90         | 90,00          | 20,00          | 40,00 | 11,1           | 2,56 |
|                     | 25 | 160,00         | 14119025 | 152,00         | 90,00          | 20,00          | 40,00 | 11,1           | 2,80 |
|                     | 30 | 189,78         | 14119030 | 182,25         | 95,00          | 20,00          | 40,00 | 11,1           | 2,63 |
| <b>1" x 17,02</b>   | 12 | 109,00         | 14125012 | 98,14          | 69,00          | 16,00          | 40,00 | 16,2           | 1,43 |
|                     | 13 | 117,00         | 14125013 | 106,12         | 78,00          | 16,00          | 40,00 | 16,2           | 1,77 |
| <b>16-B-1</b>       | 15 | 133,00         | 14125015 | 122,17         | 92,00          | 16,00          | 40,00 | 16,2           | 2,46 |
|                     | 16 | 141,00         | 14125016 | 130,20         | 100,00         | 20,00          | 45,00 | 16,2           | 3,14 |
|                     | 17 | 149,00         | 14125017 | 138,22         | 100,00         | 20,00          | 45,00 | 16,2           | 3,34 |
|                     | 18 | 157,00         | 14125018 | 146,28         | 100,00         | 20,00          | 45,00 | 16,2           | 3,56 |
|                     | 19 | 165,20         | 14125019 | 154,33         | 100,00         | 20,00          | 45,00 | 16,2           | 3,78 |
|                     | 20 | 173,50         | 14125020 | 162,38         | 100,00         | 20,00          | 45,00 | 16,2           | 4,03 |
|                     | 21 | 181,20         | 14125021 | 170,43         | 110,00         | 20,00          | 50,00 | 16,2           | 5,01 |
|                     | 23 | 197,50         | 14125023 | 182,25         | 110,00         | 20,00          | 50,00 | 16,2           | 5,56 |
|                     | 25 | 213,50         | 14125025 | 202,66         | 110,00         | 20,00          | 50,00 | 16,2           | 6,16 |
|                     | 30 | 254,00         | 14125030 | 243,00         | 120,00         | 20,00          | 50,00 | 16,2           | 8,38 |



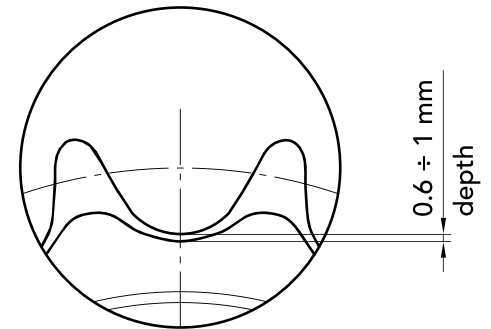
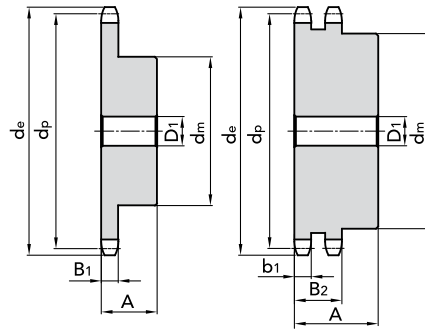
**MATERIAL**  
MATERIAL C45 EN 10083



| Simple - Semplici |    |                |                |          |                |                |                |    |      | Double - Doppi |                |                |                |                |    |      |
|-------------------|----|----------------|----------------|----------|----------------|----------------|----------------|----|------|----------------|----------------|----------------|----------------|----------------|----|------|
| PITCH             | Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | B <sub>1</sub> | d <sub>m</sub> | D <sub>1</sub> | A  | Kg   | CODE           | b <sub>1</sub> | B <sub>2</sub> | d <sub>m</sub> | D <sub>1</sub> | A  | Kg   |
| 3/8"X7/32"        | 13 | 43,45          | 39,80          | 15109013 | 5,3            | 28             | 10             | 25 | 0,13 | 15209013       | 5,2            | 15,4           | 28             | 10             | 25 | 0,16 |
|                   | 14 | 46,45          | 42,80          | 15109014 | 5,3            | 31             | 10             | 25 | 0,16 | 15209014       | 5,2            | 15,4           | 31             | 10             | 25 | 0,2  |
| 06-B              | 15 | 49,46          | 45,81          | 15109015 | 5,3            | 34             | 10             | 25 | 0,19 | 15209015       | 5,2            | 15,4           | 34             | 10             | 25 | 0,24 |
|                   | 16 | 52,47          | 48,82          | 15109016 | 5,3            | 37             | 10             | 28 | 0,24 | 15209016       | 5,2            | 15,4           | 37             | 12             | 30 | 0,27 |
|                   | 17 | 55,49          | 51,84          | 15109017 | 5,3            | 40             | 10             | 28 | 0,28 | 15209017       | 5,2            | 15,4           | 40             | 12             | 30 | 0,32 |
|                   | 18 | 58,50          | 54,85          | 15109018 | 5,3            | 43             | 10             | 28 | 0,33 | 15209018       | 5,2            | 15,4           | 43             | 12             | 30 | 0,38 |
|                   | 19 | 61,52          | 57,87          | 15109019 | 5,3            | 45             | 10             | 28 | 0,36 | 15209019       | 5,2            | 15,4           | 46             | 12             | 30 | 0,42 |
|                   | 20 | 64,54          | 60,39          | 15109020 | 5,3            | 46             | 10             | 28 | 0,39 | 15209020       | 5,2            | 15,4           | 49             | 12             | 30 | 0,48 |
|                   | 21 | 67,56          | 63,91          | 15109021 | 5,3            | 48             | 12             | 28 | 0,42 | 15209021       | 5,2            | 15,4           | 52             | 12             | 30 | 0,52 |
|                   | 22 | 70,58          | 66,93          | 15109022 | 5,3            | 50             | 12             | 28 | 0,46 | 15209022       | 5,2            | 15,4           | 55             | 12             | 30 | 0,58 |
|                   | 23 | 73,60          | 69,95          | 15109023 | 5,3            | 52             | 12             | 28 | 0,5  | 15209023       | 5,2            | 15,4           | 58             | 12             | 30 | 0,64 |
|                   | 24 | 76,62          | 72,97          | 15109024 | 5,3            | 54             | 12             | 28 | 0,54 | 15209024       | 5,2            | 15,4           | 61             | 12             | 30 | 0,71 |
|                   | 25 | 79,65          | 76,00          | 15109025 | 5,3            | 57             | 12             | 28 | 0,6  | 15209025       | 5,2            | 15,4           | 64             | 12             | 30 | 0,79 |
|                   | 26 | 82,67          | 79,02          |          |                |                |                |    |      | 15209026       | 5,2            | 15,4           | 67             | 12             | 30 | 0,87 |
|                   | 27 | 85,70          | 82,05          | 15109027 | 5,3            | 60             | 12             | 28 | 0,67 |                |                |                |                |                |    |      |
|                   | 28 | 88,72          | 85,07          |          |                |                |                |    |      | 15209028       | 5,2            | 15,4           | 73             | 12             | 30 | 1,03 |
|                   | 30 | 94,77          | 91,12          | 15109030 | 5,3            | 60             | 12             | 30 | 0,72 | 15209030       | 5,2            | 15,4           | 79             | 12             | 30 | 1,2  |
| 1/2"X5/16"        | 12 | 53,56          | 49,07          | 15112012 | 7,2            | 33             | 10             | 28 | 0,21 | 15212012       | 7              | 21             | 35             | 12             | 35 | 0,3  |
|                   | 13 | 57,56          | 53,06          | 15112013 | 7,2            | 37             | 10             | 28 | 0,26 | 15212013       | 7              | 21             | 38             | 12             | 35 | 0,36 |
|                   | 14 | 61,56          | 57,07          | 15112014 | 7,2            | 41             | 10             | 28 | 0,32 | 15212014       | 7              | 21             | 42             | 12             | 35 | 0,44 |
|                   | 15 | 65,57          | 61,09          | 15112015 | 7,2            | 45             | 10             | 28 | 0,38 | 15212015       | 7              | 21             | 46             | 12             | 35 | 0,52 |
|                   | 16 | 69,59          | 65,10          | 15112016 | 7,2            | 50             | 12             | 28 | 0,46 | 15212016       | 7              | 21             | 50             | 14             | 35 | 0,63 |
|                   | 17 | 73,61          | 69,11          | 15112017 | 7,2            | 52             | 12             | 28 | 0,51 | 15212017       | 7              | 21             | 54             | 14             | 35 | 0,73 |
|                   | 18 | 77,63          | 73,14          | 15112018 | 7,2            | 56             | 12             | 28 | 0,59 | 15212018       | 7              | 21             | 58             | 14             | 35 | 0,85 |
|                   | 19 | 81,65          | 77,16          | 15112019 | 7,2            | 60             | 12             | 28 | 0,67 | 15212019       | 7              | 21             | 62             | 14             | 35 | 0,97 |
|                   | 20 | 85,67          | 81,19          | 15112020 | 7,2            | 64             | 12             | 28 | 0,76 | 15212020       | 7              | 21             | 66             | 14             | 35 | 1,1  |
|                   | 21 | 89,70          | 85,22          | 15112021 | 7,2            | 68             | 12             | 28 | 0,85 | 15212021       | 7              | 21             | 70             | 16             | 40 | 1,29 |
|                   | 22 | 93,73          | 89,24          | 15112022 | 7,2            | 70             | 12             | 28 | 0,91 | 15212022       | 7              | 21             | 70             | 16             | 40 | 1,37 |
|                   | 23 | 97,76          | 93,27          | 15112023 | 7,2            | 70             | 14             | 28 | 0,95 | 15212023       | 7              | 21             | 70             | 16             | 40 | 1,46 |
|                   | 24 | 101,79         | 97,29          | 15112024 | 7,2            | 70             | 14             | 28 | 0,98 | 15212024       | 7              | 21             | 75             | 16             | 40 | 1,64 |
|                   | 25 | 105,82         | 101,33         | 15112025 | 7,2            | 70             | 14             | 28 | 1,01 | 15212025       | 7              | 21             | 80             | 16             | 40 | 1,82 |
|                   | 26 | 109,65         | 105,36         |          |                |                |                |    |      | 15212026       | 7              | 21             | 85             | 20             | 40 | 2,02 |
|                   | 27 | 113,89         | 109,40         | 15112027 | 7,2            | 70             | 16             | 30 | 1,13 |                |                |                |                |                |    |      |
|                   | 28 | 117,92         | 113,42         |          |                |                |                |    |      | 15212028       | 7              | 21             | 90             | 20             | 40 | 2,34 |
|                   | 30 | 125,99         | 121,50         | 15112030 | 7,2            | 80             | 16             | 30 | 1,46 | 15212030       | 7              | 21             | 100            | 20             | 40 | 2,79 |
| 5/8"X3/8"         | 12 | 68,18          | 61,34          | 15115012 | 9,1            | 42             | 12             | 30 | 0,37 | 15215012       | 9              | 25,5           | 44             | 14             | 40 | 0,55 |
|                   | 13 | 73,17          | 66,33          | 15115013 | 9,1            | 47             | 12             | 30 | 0,46 | 15215013       | 9              | 25,5           | 49             | 14             | 40 | 0,68 |
|                   | 14 | 78,18          | 71,34          | 15115014 | 9,1            | 52             | 12             | 30 | 0,56 | 15215014       | 9              | 25,5           | 54             | 14             | 40 | 0,82 |
|                   | 15 | 83,19          | 76,35          | 15115015 | 9,1            | 57             | 12             | 30 | 0,67 | 15215015       | 9              | 25,5           | 59             | 14             | 40 | 0,97 |
|                   | 16 | 88,21          | 81,37          | 15115016 | 9,1            | 60             | 12             | 30 | 0,76 | 15215016       | 9              | 25,5           | 64             | 16             | 45 | 1,26 |
|                   | 17 | 93,23          | 86,39          | 15115017 | 9,1            | 60             | 12             | 30 | 0,88 | 15215017       | 9              | 25,5           | 59             | 16             | 45 | 1,46 |
|                   | 18 | 98,26          | 91,42          | 15115018 | 9,1            | 70             | 14             | 30 | 1,01 | 15215018       | 9              | 25,5           | 74             | 16             | 45 | 1,67 |
|                   | 19 | 103,29         | 96,45          | 15115019 | 9,1            | 70             | 14             | 30 | 1,15 | 15215019       | 9              | 25,5           | 79             | 16             | 45 | 1,9  |
|                   | 20 | 108,32         | 101,48         | 15115020 | 9,1            | 75             | 14             | 30 | 1,21 | 15215020       | 9              | 25,5           | 84             | 16             | 45 | 2,14 |
|                   | 21 | 113,35         | 106,51         | 15115021 | 9,1            | 75             | 16             | 30 | 1,35 | 15215021       | 9              | 25,5           | 85             | 16             | 45 | 2,27 |
|                   | 22 | 118,39         | 111,55         | 15115022 | 9,1            | 80             | 16             | 30 | 1,41 | 15215022       | 9              | 25,5           | 90             | 16             | 45 | 2,54 |
|                   | 23 | 123,43         | 116,59         | 15115023 | 9,1            | 80             | 16             | 30 | 1,47 | 15215023       | 9              | 25,5           | 95             | 16             | 45 | 2,82 |
|                   | 24 | 128,46         | 121,62         | 15115024 | 9,1            | 80             | 16             | 30 | 1,54 | 15215024       | 9              | 25,5           | 100            | 16             | 45 | 3,11 |
|                   | 25 | 133,50         | 126,66         | 15115025 | 9,1            | 80             | 16             | 30 | 1,6  | 15215025       | 9              | 25,5           | 105            | 16             | 45 | 3,15 |
|                   | 26 | 138,54         | 131,70         |          |                |                |                |    |      | 15215026       | 9              | 25,5           | 110            | 16             | 45 | 3,74 |
|                   | 27 | 143,58         | 136,74         | 15115027 | 9,1            | 85             | 20             | 35 | 2,04 |                |                |                |                |                |    |      |
|                   | 28 | 148,63         | 141,79         |          |                |                |                |    |      | 15215028       | 9              | 25,5           | 115            | 20             | 45 | 4,28 |
|                   | 30 | 158,71         | 151,87         | 15115030 | 9,1            | 90             | 20             | 35 | 2,41 | 15215030       | 9              | 25,5           | 120            | 20             | 45 | 4,87 |



**MATERIAL**  
MATERIAL C45 EN 10083



| Simple - Semplici |    |                |                |          |                |                |                |    |      | Double - Doppi |                |                |                |                |    |       |
|-------------------|----|----------------|----------------|----------|----------------|----------------|----------------|----|------|----------------|----------------|----------------|----------------|----------------|----|-------|
| PITCH             | Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | B <sub>1</sub> | d <sub>m</sub> | D <sub>1</sub> | A  | Kg   | CODE           | b <sub>1</sub> | B <sub>2</sub> | d <sub>m</sub> | D <sub>1</sub> | A  | Kg    |
| <b>3/4"X7/16"</b> | 12 | 81,13          | 73,60          | 15119012 | 11,1           | 52             | 14             | 35 | 0,65 | 15219012       | 10,8           | 30,3           | 53             | 16             | 50 | 1,02  |
|                   | 13 | 87,13          | 79,60          | 15119013 | 11,1           | 58             | 14             | 35 | 0,8  | 15219013       | 10,8           | 30,3           | 59             | 16             | 50 | 1,25  |
| <b>12-B</b>       | 14 | 93,14          | 85,61          | 15119014 | 11,1           | 64             | 14             | 35 | 0,97 | 15219014       | 10,8           | 30,3           | 65             | 16             | 50 | 1,46  |
|                   | 15 | 99,16          | 91,63          | 15119015 | 11,1           | 70             | 14             | 35 | 1,16 | 15219015       | 10,8           | 30,3           | 71             | 16             | 50 | 1,74  |
|                   | 16 | 105,18         | 97,65          | 15119016 | 11,1           | 75             | 16             | 35 | 1,34 | 15219016       | 10,8           | 30,3           | 77             | 20             | 50 | 2,03  |
|                   | 17 | 111,20         | 103,67         | 15119017 | 11,1           | 80             | 16             | 35 | 1,53 | 15219017       | 10,8           | 30,3           | 83             | 20             | 50 | 2,36  |
|                   | 18 | 117,23         | 109,70         | 15119018 | 11,1           | 80             | 16             | 35 | 1,62 | 15219018       | 10,8           | 30,3           | 89             | 20             | 50 | 2,7   |
|                   | 19 | 123,27         | 115,74         | 15119019 | 11,1           | 80             | 16             | 35 | 1,7  | 15219019       | 10,8           | 30,3           | 95             | 20             | 50 | 3,07  |
|                   | 20 | 129,31         | 121,78         | 15119020 | 11,1           | 80             | 16             | 35 | 1,8  | 15219020       | 10,8           | 30,3           | 100            | 20             | 50 | 3,43  |
|                   | 21 | 135,35         | 127,82         | 15119021 | 11,1           | 90             | 20             | 40 | 2,35 | 15219021       | 10,8           | 30,3           | 100            | 20             | 50 | 3,69  |
|                   | 22 | 141,39         | 133,86         | 15119022 | 11,1           | 90             | 20             | 40 | 2,46 | 15219022       | 10,8           | 30,3           | 100            | 20             | 50 | 3,97  |
|                   | 23 | 147,43         | 139,90         | 15119023 | 11,1           | 90             | 20             | 40 | 2,56 | 15219023       | 10,8           | 30,3           | 110            | 20             | 50 | 4,51  |
|                   | 24 | 153,48         | 145,95         | 15119024 | 11,1           | 90             | 20             | 40 | 2,68 | 15219024       | 10,8           | 30,3           | 110            | 20             | 50 | 4,81  |
|                   | 25 | 159,52         | 151,99         | 15119025 | 11,1           | 90             | 20             | 40 | 2,8  | 15219025       | 10,8           | 30,3           | 120            | 20             | 50 | 5,41  |
|                   | 26 | 165,57         | 158,04         |          |                |                |                |    |      | 15219026       | 10,8           | 30,3           | 120            | 20             | 50 | 5,73  |
|                   | 27 | 171,62         | 164,09         | 15119027 | 11,1           | 95             | 20             | 40 | 3,21 |                |                |                |                |                |    |       |
|                   | 28 | 177,67         | 170,14         |          |                |                |                |    |      | 15219028       | 10,8           | 30,3           | 120            | 20             | 50 | 6,43  |
|                   | 30 | 189,78         | 182,25         | 15119030 | 11,1           | 95             | 20             | 40 | 3,63 | 15219030       | 10,8           | 30,3           | 120            | 20             | 50 | 7,19  |
| <b>1"X17,02</b>   | 12 | 109,26         | 98,14          | 15125012 | 16,2           | 69             | 16             | 40 | 1,43 | 15225012       | 15,8           | 47,7           | 72             | 20             | 70 | 2,6   |
|                   | 13 | 117,26         | 106,14         | 15125013 | 16,2           | 78             | 16             | 40 | 1,77 | 15225013       | 15,8           | 47,7           | 80             | 20             | 70 | 3,18  |
|                   | 14 | 125,27         | 114,15         | 15125014 | 16,2           | 84             | 16             | 40 | 2,08 | 15225014       | 15,8           | 47,7           | 88             | 20             | 70 | 3,82  |
|                   | 15 | 133,29         | 122,17         | 15125015 | 16,2           | 92             | 16             | 40 | 2,46 | 15225015       | 15,8           | 47,7           | 96             | 20             | 70 | 4,51  |
|                   | 16 | 141,32         | 130,20         | 15125016 | 16,2           | 100            | 20             | 45 | 3,14 | 15225016       | 15,8           | 47,7           | 104            | 20             | 70 | 5,17  |
|                   | 17 | 149,35         | 138,23         | 15125017 | 16,2           | 100            | 20             | 45 | 3,33 | 15225017       | 15,8           | 47,7           | 112            | 20             | 70 | 5,98  |
|                   | 18 | 157,39         | 146,27         | 15125018 | 16,2           | 100            | 20             | 45 | 3,56 | 15225018       | 15,8           | 47,7           | 120            | 20             | 70 | 6,84  |
|                   | 19 | 165,44         | 154,32         | 15125019 | 16,2           | 100            | 20             | 45 | 3,78 | 15225019       | 15,8           | 47,7           | 128            | 20             | 70 | 7,76  |
|                   | 20 | 173,49         | 162,37         | 15125020 | 16,2           | 100            | 20             | 45 | 4,03 | 15225020       | 15,8           | 47,7           | 130            | 20             | 70 | 8,52  |
|                   | 21 | 181,54         | 170,42         | 15125021 | 16,2           | 110            | 20             | 50 | 5,01 | 15225021       | 15,8           | 47,7           | 130            | 25             | 70 | 9,24  |
|                   | 22 | 189,60         | 178,48         | 15125022 | 16,2           | 110            | 20             | 50 | 5,28 | 15225022       | 15,8           | 47,7           | 130            | 25             | 70 | 10    |
|                   | 23 | 197,66         | 186,54         | 15125023 | 16,2           | 110            | 20             | 50 | 5,56 | 15225023       | 15,8           | 47,7           | 130            | 25             | 70 | 10,8  |
|                   | 24 | 205,72         | 194,60         | 15125024 | 16,2           | 110            | 20             | 50 | 5,86 | 15225024       | 15,8           | 47,7           | 130            | 25             | 70 | 11,64 |
|                   | 25 | 213,78         | 202,66         | 15125025 | 16,2           | 110            | 20             | 50 | 6,16 | 15225025       | 15,8           | 47,7           | 130            | 25             | 70 | 12,52 |
|                   | 27 | 229,91         | 218,79         | 15125027 | 16,2           | 120            | 20             | 50 | 7,3  |                |                |                |                |                |    |       |
|                   | 30 | 254,12         | 243,00         | 15125030 | 16,2           | 120            | 20             | 50 | 8,38 |                |                |                |                |                |    |       |



## 3/8" x 7/32" (06B-1)

### CHAIN SPROCKETS

B<sub>1</sub> 5,3 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

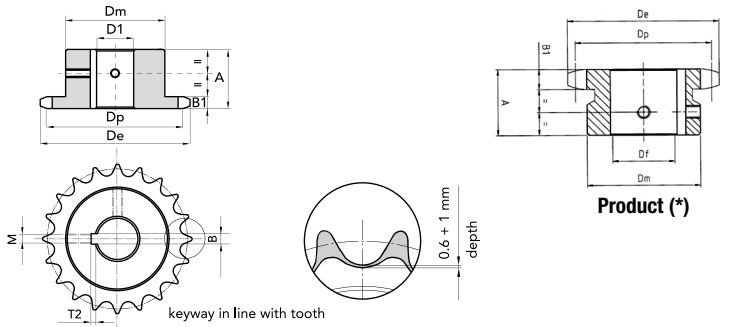
Pitch 9,525 mm

Inner width 5,72 mm

Roller Ø 6,38 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 12 | 16091212 | 40,45          | 36,8           | 25             | 25 | 12     | 4    | 1,8 | M4 |
|    | 16091214 |                |                | 29*            |    | 14     | 5    | 2,3 | M4 |
|    | 16091215 |                |                | 30*            |    | 15     | 5    | 2,3 | M4 |
|    | 16091216 |                |                | 31*            |    | 16     | 5    | 2,3 | M4 |
| 13 | 16091312 | 43,5           | 39,8           | 28             | 25 | 12     | 4    | 1,8 | M4 |
|    | 16091314 |                |                |                |    | 14     | 5    | 2,3 | M4 |
|    | 16091315 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091316 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091318 |                |                |                |    | 18     | 6    | 2,8 | M5 |
| 14 | 16091412 | 46,5           | 42,8           | 31             | 25 | 12     | 4    | 1,8 | M4 |
|    | 16091414 |                |                |                |    | 14     | 5    | 2,3 | M4 |
|    | 16091415 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091416 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091418 |                |                |                |    | 18     | 6    | 2,8 | M5 |
| 15 | 16091514 | 49,5           | 45,81          | 34             | 25 | 14     | 5    | 2,3 | M4 |
|    | 16091515 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091516 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091518 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16091519 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16091520 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16091522 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16091524 |                |                |                |    | 24     | 8    | 3,3 | M6 |
| 16 | 16091614 | 52,3           | 48,82          | 37             | 28 | 14     | 5    | 2,3 | M4 |
|    | 16091615 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091616 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091618 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16091619 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16091620 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16091622 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16091624 |                |                |                |    | 24     | 8    | 3,3 | M6 |
| 17 | 16091714 | 55,5           | 51,83          | 40             | 28 | 14     | 5    | 2,3 | M4 |
|    | 16091715 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091716 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091718 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16091719 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16091720 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16091722 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16091724 |                |                |                |    | 24     | 8    | 3,3 | M6 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 18 | 16091814 | 58,3           | 54,85          | 43             | 28 | 14     | 5    | 2,3 | M4 |
|    | 16091815 |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16091816 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091818 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16091819 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16091820 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16091822 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16091824 |                |                |                |    | 24     | 8    | 3,3 | M6 |
| 19 | 16091915 | 61,6           | 57,87          | 45             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16091916 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16091918 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16091919 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16091920 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16091922 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16091924 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16091925 |                |                |                |    | 25     | 8    | 3,3 | M6 |
| 20 | 16092015 | 64,3           | 60,89          | 46             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16092016 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16092018 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16092019 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16092020 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16092022 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092024 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092025 |                |                |                |    | 25     | 8    | 3,3 | M6 |
| 21 | 16092115 | 67,6           | 63,91          | 48             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16092116 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16092118 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16092119 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16092120 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16092122 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092124 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092125 |                |                |                |    | 25     | 8    | 3,3 | M6 |



## 3/8" x 7/32" (06B-1)

### CHAIN SPROCKETS

**B<sub>1</sub>** 5,3 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

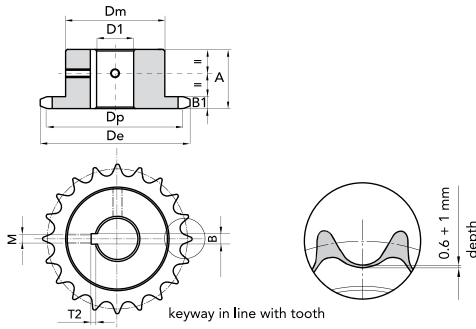
Pitch 9,525 mm

Inner width 5,72 mm

Roller Ø 6,35 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 23 | 16092315 | 73,7           | 69,95          | 52             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16092316 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16092318 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16092319 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16092320 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16092322 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092324 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092325 |                |                |                |    | 25     | 8    | 3,3 | M6 |
| 24 | 16092418 | 76,7           | 72,97          | 54             | 28 | 18     | 6    | 2,8 | M5 |
|    | 16092419 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16092420 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16092422 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092424 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092425 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16092428 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16092430 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 25 | 16092518 | 79,7           | 76             | 57             | 28 | 18     | 6    | 2,8 | M5 |
|    | 16092519 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16092520 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16092522 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092524 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092525 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16092528 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16092530 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 27 | 16092720 | 85,7           | 82,05          | 60             | 28 | 20     | 6    | 2,8 | M5 |
|    | 16092722 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16092724 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16092725 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16092728 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16092730 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 30 | 16093020 | 94,8           | 91,12          | 60             | 30 | 20     | 6    | 2,8 | M5 |
|    | 16093022 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16093024 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16093025 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16093028 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16093030 |                |                |                |    | 30     | 8    | 3,3 | M6 |



## 1/2" x 5/16" (08B-1)

### CHAIN SPROCKETS

B<sub>1</sub> 7,2 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

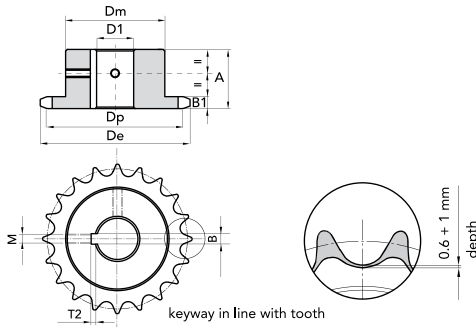
Pitch 12,7 mm

Inner width 7,75 mm

Roller Ø 8,51 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE      | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|-----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 12 | 1612121 2 | 53,9           | 49,07          | 33             | 28 | 12     | 4    | 1,8 | M4 |
|    | 16121214  |                |                |                |    | 14     | 5    | 2,3 | M4 |
|    | 16121215  |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16121216  |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121218  |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121219  |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121220  |                |                |                |    | 20     | 6    | 2,8 | M5 |
| 13 | 16121312  | 57,9           | 53,06          | 37             | 28 | 12     | 4    | 1,8 | M4 |
|    | 16121314  |                |                |                |    | 14     | 5    | 2,3 | M4 |
|    | 16121315  |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16121316  |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121318  |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121319  |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121320  |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121322  |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121324  |                |                |                |    | 24     | 8    | 3,3 | M6 |
| 14 | 16121414  | 61,6           | 57,07          | 41             | 28 | 14     | 5    | 2,3 | M4 |
|    | 16121415  |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16121416  |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121418  |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121419  |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121420  |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121422  |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121424  |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121425  |                |                |                |    | 25     | 8    | 3,3 | M6 |
| 15 | 16121514  | 65,9           | 61,09          | 45             | 28 | 14     | 5    | 2,3 | M4 |
|    | 16121515  |                |                |                |    | 15     | 5    | 2,3 | M4 |
|    | 16121516  |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121518  |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121519  |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121520  |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121522  |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121524  |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121525  |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16121528  |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16121530  |                |                |                |    | 30     | 8    | 3,3 | M6 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 16 | 16121615 | 69,5           | 65,1           | 50             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16121616 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121618 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121619 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121620 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121622 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121624 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121625 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16121628 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16121630 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 17 | 16121715 | 74             | 69,11          | 52             | 28 | 15     | 5    | 2,3 | M4 |
|    | 16121716 |                |                |                |    | 16     | 5    | 2,3 | M4 |
|    | 16121718 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121719 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121720 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121722 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121724 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121725 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16121728 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16121730 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 18 | 16121816 | 77,8           | 73,14          | 56             | 28 | 16     | 5    | 2,3 | M4 |
|    | 16121818 |                |                |                |    | 18     | 6    | 2,8 | M5 |
|    | 16121819 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16121820 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121822 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121824 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121825 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16121828 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16121830 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16121832 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16121835 |                |                |                |    | 35     | 10   | 3,3 | M8 |





## 1/2" x 5/16" (08B-1)

### CHAIN SPROCKETS

**B<sub>1</sub>** 7,2 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

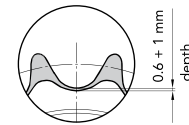
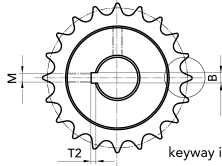
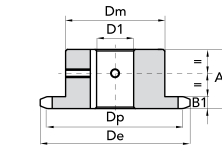
Pitch 12,7 mm

Inner width 7,75 mm

Roller Ø 8,51 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 19 | 16121919 | 82             | 77,16          | 60             | 28 | 19     | 6    | 2,8 | M5 |
|    | 16121920 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16121922 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16121924 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16121925 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16121928 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16121930 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16121932 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16121935 |                |                |                |    | 35     | 10   | 3,3 | M8 |
| 20 | 16122019 | 85,8           | 81,19          | 64             | 28 | 19     | 6    | 2,8 | M5 |
|    | 16122020 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16122022 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16122024 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16122025 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122028 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122030 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122032 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16122035 |                |                |                |    | 35     | 10   | 3,3 | M8 |
| 21 | 16122119 | 90,1           | 85,22          | 68             | 28 | 19     | 6    | 2,8 | M5 |
|    | 16122120 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16122122 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16122124 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16122125 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122128 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122130 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122132 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16122135 |                |                |                |    | 35     | 10   | 3,3 | M8 |
| 23 | 16122320 | 98,1           | 93,27          | 70             | 28 | 20     | 6    | 2,8 | M5 |
|    | 16122322 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16122324 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16122325 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122328 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122330 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122332 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16122335 |                |                |                |    | 35     | 10   | 3,3 | M8 |
|    | 16122338 |                |                |                |    | 38     | 10   | 3,3 | M8 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 24 | 16122420 | 102,1          | 97,29          | 70             | 28 | 20     | 6    | 2,8 | M5 |
|    | 16122422 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16122424 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16122425 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122428 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122430 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122432 |                |                |                |    | 32     | 8    | 3,3 | M8 |
|    | 16122435 |                |                |                |    | 35     | 10   | 3,3 | M8 |
|    | 16122438 |                |                |                |    | 38     | 10   | 3,3 | M8 |
| 25 | 16122520 | 105,8          | 101,33         | 70             | 28 | 20     | 6    | 2,8 | M5 |
|    | 16122522 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16122524 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16122525 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122528 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122530 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122532 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16122535 |                |                |                |    | 35     | 10   | 3,3 | M8 |
|    | 16122538 |                |                |                |    | 38     | 10   | 3,3 | M8 |
| 27 | 16122722 | 114            | 109,4          | 70             | 30 | 22     | 6    | 2,8 | M5 |
|    | 16122725 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16122728 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16122730 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16122732 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16122735 |                |                |                |    | 35     | 10   | 3,3 | M8 |
|    | 16122738 |                |                |                |    | 38     | 10   | 3,3 | M8 |
| 30 | 16123025 | 126            | 121,5          | 80             | 30 | 25     | 8    | 3,3 | M6 |
|    | 16123028 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16123030 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16123032 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16123035 |                |                |                |    | 35     | 10   | 3,3 | M8 |
|    | 16123038 |                |                |                |    | 38     | 10   | 3,3 | M8 |



## 5/8" x 3/8" (10B-1)

### CHAIN SPROCKETS

B<sub>1</sub> 9,1 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

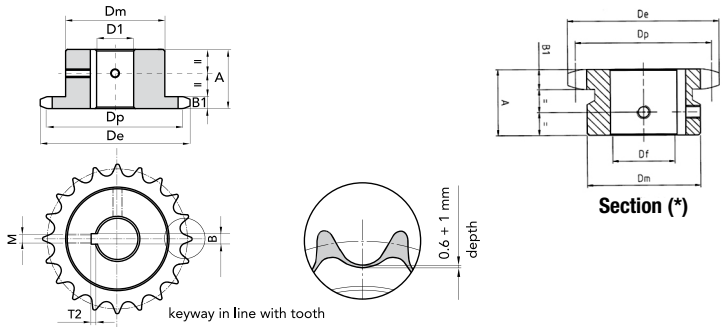
Pitch 15,875 mm

Inner width 9,65 mm

Roller Ø 10,16 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M  |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|----|
| 12 | 16151216 | 68,2           | 61,34          | 42             | 30 | 16     | 5    | 2,3 | M4 |
|    | 16151219 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16151220 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16151222 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16151224 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16151225 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16151228 |                |                | 51*            |    | 28     | 8    | 3,3 | M6 |
|    | 16151230 |                |                | 51*            |    | 30     | 8    | 3,3 | M6 |
| 13 | 16151316 | 73,2           | 66,32          | 47             | 30 | 16     | 5    | 2,3 | M4 |
|    | 16151319 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16151320 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16151322 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16151324 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16151325 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16151328 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16151330 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 14 | 16151416 | 78,2           | 71,34          | 52             | 30 | 16     | 5    | 2,3 | M4 |
|    | 16151419 |                |                |                |    | 19     | 6    | 2,8 | M5 |
|    | 16151420 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16151422 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16151424 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16151425 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16151428 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16151430 |                |                |                |    | 30     | 8    | 3,3 | M6 |
| 15 | 16151519 | 83,2           | 76,36          | 57             | 30 | 19     | 6    | 2,8 | M5 |
|    | 16151520 |                |                |                |    | 20     | 6    | 2,8 | M5 |
|    | 16151522 |                |                |                |    | 22     | 6    | 2,8 | M5 |
|    | 16151524 |                |                |                |    | 24     | 8    | 3,3 | M6 |
|    | 16151525 |                |                |                |    | 25     | 8    | 3,3 | M6 |
|    | 16151528 |                |                |                |    | 28     | 8    | 3,3 | M6 |
|    | 16151530 |                |                |                |    | 30     | 8    | 3,3 | M6 |
|    | 16151532 |                |                |                |    | 32     | 10   | 3,3 | M8 |
|    | 16151535 |                |                |                |    | 35     | 10   | 3,3 | M8 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 16 | 16151620 | 88             | 81,37          | 60             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16151622 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16151624 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16151625 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16151628 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16151630 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16151632 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16151635 |                |                |                |    | 35     | 10   | 3,3 | M8  |
| 17 | 16151720 | 93,2           | 86,39          | 60             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16151722 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16151724 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16151725 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16151728 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16151730 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16151732 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16151735 |                |                |                |    | 35     | 10   | 3,3 | M8  |
| 18 | 16151820 | 98,3           | 91,42          | 70             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16151822 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16151824 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16151825 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16151828 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16151830 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16151832 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16151835 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16151838 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16151840 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 19 | 16151920 | 103,3          | 96,45          | 70             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16151922 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16151924 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16151925 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16151928 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16151930 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16151932 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16151935 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16151938 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16151940 |                |                |                |    | 40     | 12   | 3,3 | M10 |



## 5/8" x 3/8" (10B-1)

### CHAIN SPROCKETS

**B<sub>1</sub>** 9,1 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

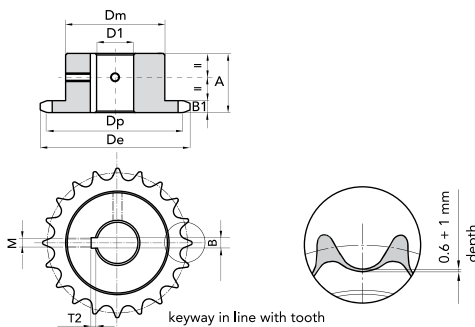
Pitch 15,875 mm

Inner width 9,65 mm

Roller Ø 10,16 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 20 | 16152020 | 108,4          | 101,49         | 75             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16152022 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16152024 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16152025 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16152028 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16152030 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16152032 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16152035 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16152038 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16152040 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 21 | 16152120 | 113,4          | 106,52         | 75             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16152122 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16152124 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16152125 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16152128 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16152130 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16152132 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16152135 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16152138 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16152140 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 23 | 16152320 | 123,4          | 116,58         | 80             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16152322 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16152324 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16152325 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16152328 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16152330 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16152332 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16152335 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16152338 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16152340 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16152342 |                |                |                |    | 42     | 12   | 3,3 | M10 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 24 | 16152420 | 128,5          | 121,62         | 80             | 30 | 20     | 6    | 2,8 | M5  |
|    | 16152422 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16152424 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16152425 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16152428 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16152430 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16152432 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16152435 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16152438 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16152440 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16152442 |                |                |                |    | 42     | 12   | 3,3 | M10 |
| 25 | 16152522 | 133,5          | 126,66         | 80             | 30 | 22     | 6    | 2,8 | M5  |
|    | 16152524 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16152525 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16152528 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16152530 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16152532 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16152535 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16152538 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16152540 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16152542 |                |                |                |    | 42     | 12   | 3,3 | M10 |



## 3/4" x 7/16" (12B-1)

### CHAIN SPROCKETS

B<sub>1</sub> 11,1 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

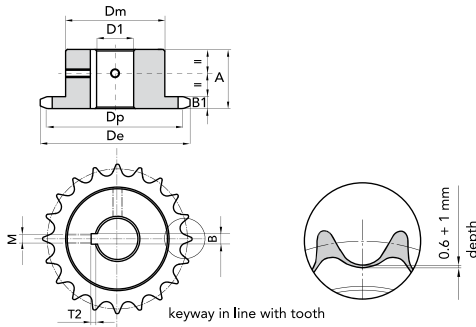
Pitch 19,05 mm

Inner width 11,68 mm

Roller Ø 12,07 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 12 | 16191220 | 81,8           | 73,6           | 52             | 35 | 20     | 6    | 2,8 | M5  |
|    | 16191222 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16191224 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16191225 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191228 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191230 |                |                |                |    | 30     | 8    | 3,3 | M6  |
| 13 | 16191320 | 87,1           | 79,6           | 58             | 35 | 20     | 6    | 2,8 | M5  |
|    | 16191322 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16191324 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16191325 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191328 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191330 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191332 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191335 |                |                |                |    | 35     | 10   | 3,3 | M8  |
| 14 | 16191420 | 93,8           | 85,61          | 64             | 35 | 20     | 6    | 2,8 | M5  |
|    | 16191422 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16191424 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16191425 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191428 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191430 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191432 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191435 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191440 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 15 | 16191520 | 99,2           | 91,63          | 70             | 35 | 20     | 6    | 2,8 | M5  |
|    | 16191522 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16191524 |                |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16191525 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191528 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191530 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191532 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191535 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191538 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16191540 |                |                |                |    | 40     | 12   | 3,3 | M10 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 16 | 16191620 | 105,5          | 97,65          | 75             | 35 | 20     | 6    | 2,8 | M5  |
|    | 16191622 |                |                |                |    | 22     | 6    | 2,8 | M5  |
|    | 16191624 | On demand      |                |                |    | 24     | 8    | 3,3 | M6  |
|    | 16191625 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191628 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191630 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191632 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191635 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191638 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16191640 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 17 | 16191722 | 111,2          | 103,67         | 80             | 35 | 22     | 6    | 2,8 | M5  |
|    | 16191725 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191728 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191730 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191732 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191735 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191738 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16191740 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 18 | 16191822 | 118            | 109,71         | 80             | 35 | 22     | 6    | 2,8 | M5  |
|    | 16191825 |                |                |                |    | 25     | 8    | 3,3 | M6  |
|    | 16191828 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191830 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191832 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191835 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191838 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16191840 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 19 | 16191925 | 123,3          | 115,75         | 80             | 35 | 25     | 8    | 3,3 | M6  |
|    | 16191928 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16191930 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16191932 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16191935 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16191938 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16191940 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16191942 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16191945 |                |                |                |    | 45     | 14   | 3,8 | M12 |



## 3/4" x 7/16" (12B-1)

### CHAIN SPROCKETS

**B<sub>1</sub>** 9,1 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

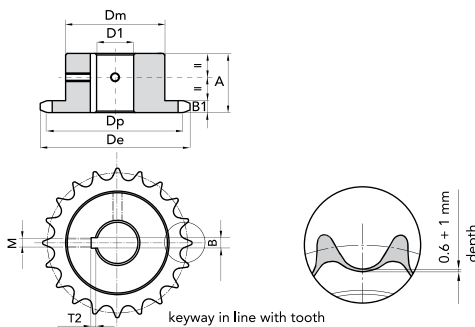
Pitch 19,05 mm

Inner width 11,68 mm

Roller Ø 12,07 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 20 | 16192025 | 129,7          | 121,78         | 80             | 35 | 25     | 8    | 3,3 | M6  |
|    | 16192028 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16192030 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16192032 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16192035 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16192038 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16192040 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16192042 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16192045 |                |                |                |    | 45     | 14   | 3,8 | M12 |
| 21 | 16192128 | 135,4          | 127,82         | 90             | 40 | 28     | 8    | 3,3 | M6  |
|    | 16192130 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16192132 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16192135 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16192138 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16192140 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16192142 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16192145 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16192148 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16192150 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 23 | 16192328 | 147,4          | 139,9          | 90             | 40 | 28     | 8    | 3,3 | M6  |
|    | 16192330 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16192332 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16192335 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16192338 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16192340 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16192342 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16192345 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16192348 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16192350 |                |                |                |    | 50     | 14   | 3,8 | M12 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 24 | 16192428 | 154,1          | 145,94         | 90             | 40 | 28     | 8    | 3,3 | M6  |
|    | 16192430 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16192432 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16192435 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16192438 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16192440 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16192442 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16192445 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16192448 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16192450 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 25 | 16192528 | 159,5          | 152            | 90             | 40 | 28     | 8    | 3,3 | M6  |
|    | 16192530 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16192532 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16192535 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16192538 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16192540 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16192542 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16192545 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16192548 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16192550 |                |                |                |    | 50     | 14   | 3,8 | M12 |



## 1" x 17.02 (16B-1)

### CHAIN SPROCKETS

B<sub>1</sub> 16,2 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

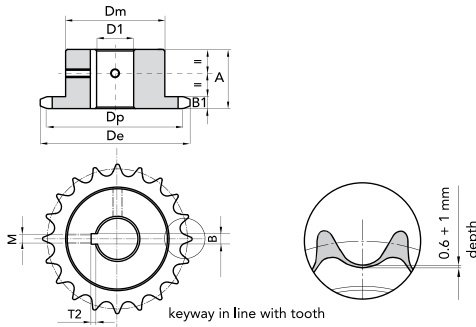
Pitch 25,40 mm

Inner width 17,02 mm

Roller Ø 15,88 mm

### KEYWAY DIN 6885 UNI 6604

Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 12 | 16251225 | 109,71         | 98,14          | 69             | 40 | 25     | 8    | 3,3 | M6  |
|    | 16251228 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16251230 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16251232 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251235 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251238 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251240 |                |                |                |    | 40     | 12   | 3,3 | M10 |
| 13 | 16251325 | 117,2          | 106,14         | 78             | 40 | 25     | 8    | 3,3 | M6  |
|    | 16251328 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16251330 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16251332 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251335 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251338 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251340 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251342 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251345 |                |                |                |    | 45     | 14   | 3,8 | M12 |
| 14 | 16251425 | 125,7          | 114,15         | 84             | 40 | 25     | 8    | 3,3 | M6  |
|    | 16251428 |                |                |                |    | 28     | 8    | 3,3 | M6  |
|    | 16251430 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16251432 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251435 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251438 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251440 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251442 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251445 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16251448 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251450 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 15 | 16251528 | 133,3          | 122,17         | 92             | 40 | 28     | 8    | 3,3 | M6  |
|    | 16251530 |                |                |                |    | 30     | 8    | 3,3 | M6  |
|    | 16251532 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251535 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251538 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251540 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251542 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251545 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16251548 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251550 |                |                |                |    | 50     | 14   | 3,8 | M12 |

| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 16 | 16251630 | 141            | 130,2          | 100            | 45 | 30     | 8    | 3,3 | M6  |
|    | 16251632 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251635 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251638 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251640 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251642 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251645 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16251648 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251650 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 17 | 16251730 | 149,4          | 138,22         | 100            | 45 | 30     | 8    | 3,3 | M6  |
|    | 16251732 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251735 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251738 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251740 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251742 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251745 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16251748 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251750 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 18 | 16251830 | 157            | 146,28         | 100            | 45 | 30     | 8    | 3,3 | M6  |
|    | 16251832 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251835 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251838 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251840 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251842 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16251845 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16251848 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251850 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 19 | 16251930 | 165,5          | 154,33         | 100            | 45 | 30     | 8    | 3,3 | M6  |
|    | 16251932 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16251935 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16251938 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16251940 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16251942 |                |                |                |    | 45     | 12   | 3,3 | M10 |
|    | 16251945 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251948 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16251950 |                |                |                |    | 50     | 14   | 3,8 | M12 |



## 1" x 17.02 (16B-1)

### CHAIN SPROCKETS

**B<sub>1</sub>** 16,2 mm

### MATERIAL

MATERIAL C45 EN 10083

### CHAIN

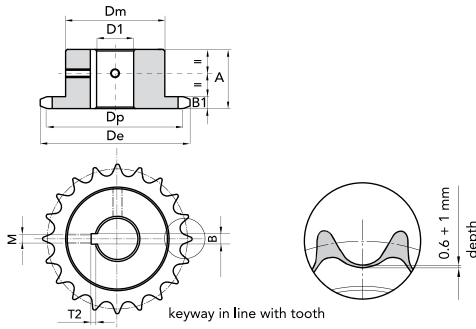
Pitch 25,40 mm

Inner width 17,02 mm

Roller Ø 15,88 mm

### KEYWAY DIN 6885 UNI 6604

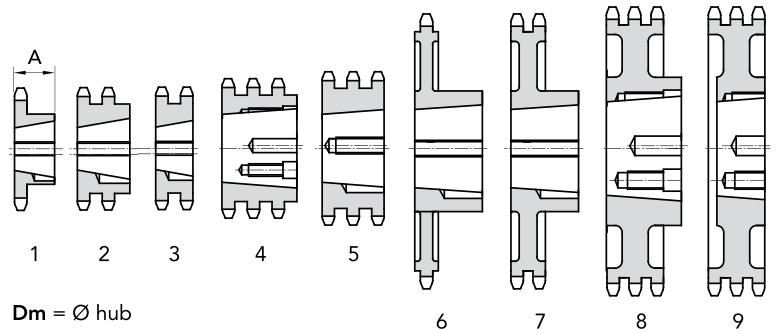
Hardened teeth HRC 45÷53



| Z  | CODE     | d <sub>a</sub> | d <sub>p</sub> | d <sub>m</sub> | A  | ØD1 H7 | B H9 | T2  | M   |
|----|----------|----------------|----------------|----------------|----|--------|------|-----|-----|
| 20 | 16252030 | 173,2          | 162,38         | 100            | 45 | 30     | 8    | 3,3 | M6  |
|    | 16252032 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16252035 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16252038 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16252040 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16252042 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16252045 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16252048 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16252050 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 21 | 16252130 | 181,6          | 170,43         | 110            | 50 | 30     | 8    | 3,3 | M6  |
|    | 16252132 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16252135 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16252138 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16252140 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16252142 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16252145 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16252148 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16252150 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 23 | 16252330 | 198,1          | 186,1          | 110            | 50 | 30     | 8    | 3,3 | M6  |
|    | 16252332 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16252335 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16252338 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16252340 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16252342 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16252345 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16252348 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16252350 |                |                |                |    | 50     | 14   | 3,8 | M12 |
| 25 | 16252530 | 214,2          | 202,66         | 110            | 50 | 30     | 8    | 3,3 | M6  |
|    | 16252532 |                |                |                |    | 32     | 10   | 3,3 | M8  |
|    | 16252535 |                |                |                |    | 35     | 10   | 3,3 | M8  |
|    | 16252538 |                |                |                |    | 38     | 10   | 3,3 | M8  |
|    | 16252540 |                |                |                |    | 40     | 12   | 3,3 | M10 |
|    | 16252542 |                |                |                |    | 42     | 12   | 3,3 | M10 |
|    | 16252545 |                |                |                |    | 45     | 14   | 3,8 | M12 |
|    | 16252548 |                |                |                |    | 48     | 14   | 3,8 | M12 |
|    | 16252550 |                |                |                |    | 50     | 14   | 3,8 | M12 |



**MATERIAL** STEEL  
C45 EN 10083  
**WITH INDUCTION HARDENED TEETH**  
CAST IRON G20/25 EN 1561



Hardened teeth HRC 45÷53

| Simple - Semplici 06 B-1 |                   |         |     |             |            |      |    |      |
|--------------------------|-------------------|---------|-----|-------------|------------|------|----|------|
| PITCH                    | CODE              | PITCH   | Z   | TAPER BRUSH | EXEC. TYPE | Dm   | A  | Kg   |
| 3/8" 9,52mm              | 17109017 18109017 | 031-17  | 17  | 1008        | 1          | 44,5 | 22 | 0,11 |
|                          | 17109018 -        | 031-18  | 18  | 1008        | 1          | 43   | 22 | 0,14 |
| 06-B                     | 17109019 18109019 | 031-19  | 19  | 1008        | 1          | 46   | 22 | 0,15 |
|                          | 17109020 -        | 031-20  | 20  | 1008        | 1          | 46   | 22 | 0,16 |
|                          | 17109021 18109021 | 031-21  | 21  | 1008        | 1          | 46   | 22 | 0,18 |
|                          | 17109022 -        | 031-22  | 22  | 1108        | 1          | 50   | 22 | 0,25 |
|                          | 17109023 18109023 | 031-23  | 23  | 1210        | 1          | 62   | 25 | 0,27 |
|                          | 17109024 -        | 031-24  | 24  | 1210        | 1          | 62   | 25 | 0,30 |
|                          | 17109025 18109025 | 031-25  | 25  | 1210        | 1          | 63   | 25 | 0,32 |
|                          | 17109026 -        | 031-26  | 26  | 1210        | 1          | 60   | 25 | 0,33 |
|                          | 17109027 18109027 | 031-27  | 27  | 1210        | 1          | 60   | 25 | 0,34 |
|                          | 17109028 -        | 031-28  | 28  | 1210        | 1          | 60   | 25 | 0,37 |
|                          | 17109030 18109030 | 031-30  | 30  | 1210        | 1          | 63   | 25 | 0,39 |
|                          | 17109038 -        | 031-38  | 38  | 1210        | 1          | 73   | 25 | 0,65 |
|                          | 17109045 -        | 031-45  | 45  | 1210        | 1          | 73   | 25 | 1,01 |
|                          | 17109057 -        | 031-57  | 57  | 1210        | 6          | 83   | 25 | 1,34 |
|                          | 17109076 -        | 031-76  | 76  | 1210        | 6          | 83   | 25 | 1,84 |
|                          | 17109095 -        | 031-95  | 95  | 1210        | 6          | 83   | 25 | 2,30 |
|                          | 17109114 -        | 031-114 | 114 | 1215        | 6          | 83   | 38 | 3,50 |

| Double - Doppi 06 B-2 |            |     |             |            |      |    |      |
|-----------------------|------------|-----|-------------|------------|------|----|------|
| CODE                  | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm   | A  | Kg   |
| 17209017              | 032-17     | 17  | 1008        | 2          | 42,5 | 22 | 0,11 |
| 17209018              | 032-18     | 18  | 1008        | 2          | 43   | 22 | 0,15 |
| 17209019              | 032-19     | 19  | 1008        | 2          | 46   | 22 | 0,18 |
| 17209020              | 032-20     | 20  | 1008        | 2          | 48   | 22 | 0,22 |
| 17209021              | 032-21     | 21  | 1008        | 2          | 49   | 22 | 0,16 |
| 17209022              | 032-22     | 22  | 1108        | 2          | 52   | 22 | 0,28 |
| 17209023              | 032-23     | 23  | 1210        | 2          | 58   | 25 | 0,27 |
| 17209024              | 032-24     | 24  | 1210        | 2          | 61   | 25 | 0,32 |
| 17209025              | 032-25     | 25  | 1210        | 2          | 64   | 25 | 0,37 |
| 17209026              | 032-26     | 26  | 1210        | 2          | 65   | 25 | 0,44 |
| 17209027              | 032-27     | 27  | 1210        | 2          | 65   | 25 | 0,50 |
| 17209028              | 032-28     | 28  | 1210        | 2          | 65   | 25 | 0,57 |
| 17209030              | 032-30     | 30  | 1210        | 2          | 65   | 25 | 0,68 |
| 17209038              | 032-38     | 38  | 1610        | 2          | 76   | 25 | 1,03 |
| 17209045              | 032-45     | 45  | 1610        | 2          | 89   | 25 | 1,08 |
| 17209057              | 032-57     | 57  | 1610        | 7          | 89   | 25 | 1,16 |
| 17209076              | 032-76     | 76  | 1610        | 7          | 89   | 25 | 2,19 |
| 17209095              | 032-95     | 95  | 1610        | 7          | 89   | 25 | 3,00 |
| 17209114              | 032-114    | 114 | 1615        | 7          | 89   | 38 | 5,00 |

| Simple - Semplici 08 B-1 |                   |         |     |             |            |      |    |      |
|--------------------------|-------------------|---------|-----|-------------|------------|------|----|------|
| PITCH                    | CODE              | PITCH   | Z   | TAPER BRUSH | EXEC. TYPE | Dm   | A  | Kg   |
| 1/2" 12,70mm             | 17112015 18112015 | 041-15  | 15  | 1008        | 1          | 46   | 22 | 0,16 |
|                          | 17112016 -        | 041-16  | 16  | 1108        | 1          | 50   | 22 | 0,20 |
| 08-B                     | 17112017 18112017 | 041-17  | 17  | 1210        | 1          | 59,5 | 25 | 0,22 |
|                          | 17112018 -        | 041-18  | 18  | 1210        | 1          | 60   | 25 | 0,27 |
|                          | 17112019 18112019 | 041-19  | 19  | 1210        | 1          | 63   | 25 | 0,33 |
|                          | 17112020 -        | 041-20  | 20  | 1610        | 1          | 71   | 25 | 0,36 |
|                          | 17112021 18112021 | 041-21  | 21  | 1610        | 1          | 71   | 25 | 0,36 |
|                          | 17112022 -        | 041-22  | 22  | 1610        | 1          | 70   | 25 | 0,36 |
|                          | 17112023 18112023 | 041-23  | 23  | 1610        | 1          | 76   | 25 | 0,50 |
|                          | 17112024 -        | 041-24  | 24  | 1610        | 1          | 70   | 25 | 0,53 |
|                          | 17112025 18112025 | 041-25  | 25  | 1610        | 1          | 76   | 25 | 0,56 |
|                          | 17112026 -        | 041-26  | 26  | 1610        | 1          | 70   | 25 | 0,60 |
|                          | 17112027 18112027 | 041-27  | 27  | 1610        | 1          | 76   | 25 | 0,63 |
|                          | 17112028 -        | 041-28  | 28  | 2012        | 1          | 90   | 32 | 0,87 |
|                          | 17112030 18112030 | 041-30  | 30  | 2012        | 1          | 90   | 32 | 0,91 |
|                          | 17112038 -        | 041-38  | 38  | 2012        | 1          | 102  | 32 | 1,25 |
|                          | 17112045 -        | 041-45  | 45  | 2012        | 1          | 102  | 32 | 1,68 |
|                          | 17112057 -        | 041-57  | 57  | 2012        | 6          | 111  | 32 | 2,78 |
|                          | 17112076 -        | 041-76  | 76  | 2012        | 6          | 111  | 32 | 3,81 |
|                          | 17112095 -        | 041-95  | 95  | 2012        | 6          | 111  | 32 | 5,00 |
|                          | 17112114 -        | 041-114 | 114 | 2517        | 6          | 124  | 45 | 6,50 |

| Double - Doppi 08 B-2 |            |     |             |            |     |    |      |
|-----------------------|------------|-----|-------------|------------|-----|----|------|
| CODE                  | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A  | Kg   |
| 17212015              | 042-15     | 15  | 1008        | 2          | 46  | 22 | 0,22 |
| 17212016              | 042-16     | 16  | 1108        | 2          | 50  | 22 | 0,22 |
| 17212017              | 042-17     | 17  | 1210        | 2          | 56  | 25 | 0,23 |
| 17212018              | 042-18     | 18  | 1210        | 2          | 58  | 25 | 0,30 |
| 17212019              | 042-19     | 19  | 1210        | 2          | 64  | 25 | 0,38 |
| 17212020              | 042-20     | 20  | 1610        | 2          | 66  | 25 | 0,45 |
| 17212021              | 042-21     | 21  | 1610        | 2          | 71  | 25 | 0,50 |
| 17212022              | 042-22     | 22  | 1610        | 2          | 76  | 25 | 0,55 |
| 17212023              | 042-23     | 23  | 1610        | 2          | 79  | 25 | 0,62 |
| 17212024              | 042-24     | 24  | 2012        | 2          | 84  | 32 | 0,68 |
| 17212025              | 042-25     | 25  | 2012        | 2          | 87  | 32 | 0,72 |
| 17212026              | 042-26     | 26  | 2012        | 2          | 87  | 32 | 0,82 |
| 17212027              | 042-27     | 27  | 2012        | 2          | 87  | 32 | 0,92 |
| 17212028              | 042-28     | 28  | 2012        | 2          | 87  | 32 | 1,10 |
| 17212030              | 042-30     | 30  | 2012        | 2          | 87  | 32 | 1,24 |
| 17212038              | 042-38     | 38  | 2012        | 2          | 102 | 32 | 2,50 |
| 17212045              | 042-45     | 45  | 2012        | 2          | 111 | 32 | 3,05 |
| 17212057              | 042-57     | 57  | 2012        | 7          | 111 | 32 | 5,64 |
| 17212076              | 042-76     | 76  | 2012        | 7          | 111 | 32 | 5,69 |
| 17212095              | 042-95     | 95  | 2012        | 7          | 111 | 32 | 5,10 |
| 17212114              | 042-114    | 114 | 2517        | 7          | 124 | 45 | 6,00 |

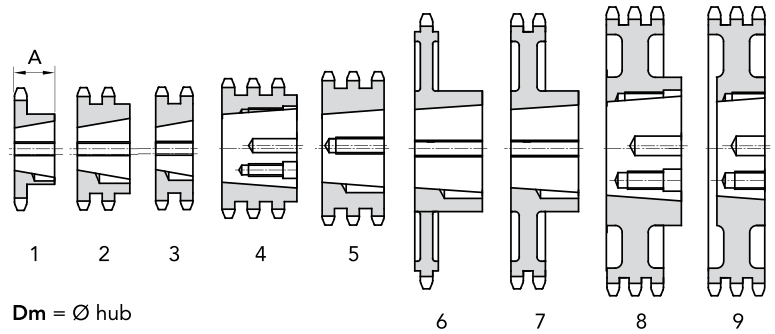




**MATERIAL** STEEL  
C45 EN 10083

WITH INDUCTION HARDENED TEETH

CAST IRON G20/25 EN 1561



Hardened teeth HRC 45÷53

| Simple - Semplici 10 B-1 |                   |         |     |             |            |     |    |       |
|--------------------------|-------------------|---------|-----|-------------|------------|-----|----|-------|
| PITCH                    | CODE              | PITCH   | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A  | Kg    |
| 5/8" 15,87mm             | 17115013 18115013 | 051-13  | 13  | 1008        | 1          | 46  | 22 | 0,23  |
|                          | 17115014 -        | 051-14  | 14  | 1108        | 1          | 52  | 22 | 0,27  |
| 10-B                     | 17115015 18115015 | 051-15  | 15  | 1210        | 1          | 63  | 25 | 0,30  |
|                          | 17115016 -        | 051-16  | 16  | 1610        | 1          | 70  | 25 | 0,38  |
|                          | 17115017 18115017 | 051-17  | 17  | 1610        | 1          | 71  | 25 | 0,38  |
|                          | 17115018 -        | 051-18  | 18  | 1610        | 1          | 75  | 25 | 0,43  |
|                          | 17115019 18115019 | 051-19  | 19  | 1610        | 1          | 76  | 25 | 0,54  |
|                          | 17115020 -        | 051-20  | 20  | 1610        | 1          | 75  | 25 | 0,61  |
|                          | 17115021 18115021 | 051-21  | 21  | 1610        | 1          | 76  | 25 | 0,65  |
|                          | 17115022 -        | 051-22  | 22  | 1610        | 1          | 76  | 25 | 0,72  |
|                          | 17115023 18115023 | 051-23  | 23  | 1610        | 1          | 76  | 25 | 0,77  |
|                          | 17115024 -        | 051-24  | 24  | 2012        | 1          | 90  | 32 | 0,98  |
|                          | 17115025 18115025 | 051-25  | 25  | 2012        | 1          | 90  | 32 | 1,05  |
|                          | 17115026 -        | 051-26  | 26  | 2012        | 1          | 85  | 32 | 1,11  |
|                          | 17115027 18115027 | 051-27  | 27  | 2012        | 1          | 90  | 32 | 1,17  |
|                          | 17115028 -        | 051-28  | 28  | 2012        | 1          | 90  | 32 | 1,29  |
|                          | 17115030 18115030 | 051-30  | 30  | 2012        | 1          | 90  | 32 | 1,40  |
|                          | 17115038 -        | 051-38  | 38  | 2012        | 1          | 102 | 32 | 2,43  |
|                          | 17115045 -        | 051-45  | 45  | 2012        | 1          | 111 | 32 | 3,55  |
|                          | 17115057 -        | 051-57  | 57  | 2012        | 6          | 111 | 32 | 4,28  |
|                          | 17115076 -        | 051-76  | 76  | 2012        | 6          | 111 | 32 | 5,95  |
|                          | 17115095 -        | 051-95  | 95  | 2517        | 6          | 124 | 45 | 7,50  |
|                          | 17115114 -        | 051-114 | 114 | 2517        | 6          | 124 | 45 | 11,20 |

| Double - Doppi 10 B-2 |            |     |             |            |     |      |       |
|-----------------------|------------|-----|-------------|------------|-----|------|-------|
| CODE                  | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A    | Kg    |
| 17215015              | 052-15     | 15  | 1210        | 3          | -   | 25,5 | 0,38  |
| 17215016              | 052-16     | 16  | 1610        | 3          | -   | 25,5 | 0,42  |
| 17215017              | 052-17     | 17  | 1610        | 3          | -   | 25,5 | 0,47  |
| 17215018              | 052-18     | 18  | 1610        | 3          | -   | 25,5 | 0,66  |
| 17215019              | 052-19     | 19  | 1610        | 3          | -   | 25,5 | 0,72  |
| 17215020              | 052-20     | 20  | 1610        | 3          | -   | 25,5 | 0,87  |
| 17215021              | 052-21     | 21  | 1610        | 3          | -   | 25,5 | 1,01  |
| 17215022              | 052-22     | 22  | 1610        | 3          | -   | 25,5 | 1,18  |
| 17215023              | 052-23     | 23  | 1610        | 3          | -   | 25,5 | 1,35  |
| 17215024              | 052-24     | 24  | 2012        | 2          | 90  | 32   | 1,45  |
| 17215025              | 052-25     | 25  | 2012        | 2          | 90  | 32   | 1,55  |
| 17215026              | 052-26     | 26  | 2012        | 2          | 90  | 32   | 1,75  |
| 17215027              | 052-27     | 27  | 2012        | 2          | 90  | 32   | 1,98  |
| 17215028              | 052-28     | 28  | 2012        | 2          | 90  | 32   | 2,03  |
| 17215030              | 052-30     | 30  | 2012        | 2          | 90  | 32   | 2,63  |
| 17215038              | 052-38     | 38  | 2517        | 2          | 108 | 45   | 3,10  |
| 17215045              | 052-45     | 45  | 2517        | 7          | 110 | 45   | 4,00  |
| 17215057              | 052-57     | 57  | 2517        | 7          | 124 | 45   | 5,88  |
| 17215076              | 052-76     | 76  | 3020        | 7          | 160 | 51   | 9,90  |
| 17215095              | 052-95     | 95  | 3020        | 7          | 160 | 51   | 12,80 |
| 17215114              | 052-114    | 114 | 3020        | 7          | 160 | 51   | 16,50 |

| Simple - Semplici 12 B-1 |                   |         |     |             |            |     |    |       |
|--------------------------|-------------------|---------|-----|-------------|------------|-----|----|-------|
| PITCH                    | CODE              | PITCH   | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A  | Kg    |
| 3/4" 19,05mm             | 17119013 18119013 | 061-13  | 13  | 1210        | 1          | 63  | 25 | 0,35  |
|                          | 17119014 -        | 061-14  | 14  | 1610        | 1          | 71  | 25 | 0,40  |
| 12-B                     | 17119015 18119015 | 061-15  | 15  | 1610        | 1          | 71  | 25 | 0,44  |
|                          | 17119016 -        | 061-16  | 16  | 1610        | 1          | 75  | 25 | 0,53  |
|                          | 17119017 18119017 | 061-17  | 17  | 1610        | 1          | 76  | 25 | 0,66  |
|                          | 17119018 -        | 061-18  | 18  | 2012        | 1          | 90  | 32 | 0,86  |
|                          | 17119019 18119019 | 061-19  | 19  | 2012        | 1          | 90  | 32 | 0,94  |
|                          | 17119020 -        | 061-20  | 20  | 2012        | 1          | 90  | 32 | 1,04  |
|                          | 17119021 18119021 | 061-21  | 21  | 2517        | 1          | 102 | 45 | 1,24  |
|                          | 17119022 -        | 061-22  | 22  | 2517        | 1          | 102 | 45 | 1,60  |
|                          | 17119023 18119023 | 061-23  | 23  | 2517        | 1          | 108 | 45 | 1,70  |
|                          | 17119024 -        | 061-24  | 24  | 2517        | 1          | 108 | 45 | 1,81  |
|                          | 17119025 18119025 | 061-25  | 25  | 2517        | 1          | 108 | 45 | 1,93  |
|                          | 17119026 -        | 061-26  | 26  | 2517        | 1          | 108 | 45 | 2,04  |
|                          | 17119027 18119027 | 061-27  | 27  | 2517        | 1          | 108 | 45 | 2,14  |
|                          | 17119028 -        | 061-28  | 28  | 2517        | 1          | 108 | 45 | 2,37  |
|                          | 17119030 18119030 | 061-30  | 30  | 2517        | 1          | 108 | 45 | 2,60  |
|                          | 17119038 -        | 061-38  | 38  | 2517        | 1          | 124 | 45 | 3,93  |
|                          | 17119045 -        | 061-45  | 45  | 2517        | 1          | 124 | 45 | 5,54  |
|                          | 17119057 -        | 061-57  | 57  | 2517        | 6          | 124 | 45 | 6,48  |
|                          | 17119076 -        | 061-76  | 76  | 2517        | 6          | 124 | 45 | 9,71  |
|                          | 17119095 -        | 061-95  | 95  | 2517        | 6          | 124 | 45 | 12,20 |
|                          | 17119114 -        | 061-114 | 114 | 2525        | 6          | 124 | 63 | 16,80 |

| Double - Doppi 12 B-2 |            |     |             |            |     |      |       |
|-----------------------|------------|-----|-------------|------------|-----|------|-------|
| CODE                  | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A    | Kg    |
| 17219014              | 062-14     | 14  | 1610        | 3          | -   | 30,3 | 0,60  |
| 17219015              | 062-15     | 15  | 1610        | 3          | -   | 30,3 | 0,68  |
| 17219016              | 062-16     | 16  | 1610        | 3          | -   | 30,3 | 0,89  |
| 17219017              | 062-17     | 17  | 1610        | 3          | -   | 30,3 | 1,14  |
| 17219018              | 062-18     | 18  | 2012        | 2          | 89  | 32   | 1,18  |
| 17219019              | 062-19     | 19  | 2012        | 2          | 95  | 32   | 1,24  |
| 17219020              | 062-20     | 20  | 2517        | 2          | 108 | 45   | 1,40  |
| 17219021              | 062-21     | 21  | 2517        | 2          | 108 | 45   | 1,68  |
| 17219022              | 062-22     | 22  | 2517        | 2          | 108 | 45   | 1,99  |
| 17219023              | 062-23     | 23  | 2517        | 2          | 108 | 45   | 2,24  |
| 17219024              | 062-24     | 24  | 2517        | 2          | 108 | 45   | 2,54  |
| 17219025              | 062-25     | 25  | 2517        | 2          | 108 | 45   | 2,87  |
| 17219026              | 062-26     | 26  | 2517        | 2          | 108 | 45   | 3,17  |
| 17219027              | 062-27     | 27  | 2517        | 2          | 108 | 45   | 3,55  |
| 17219028              | 062-28     | 28  | 2517        | 2          | 108 | 45   | 4,10  |
| 17219030              | 062-30     | 30  | 2517        | 2          | 108 | 45   | 4,62  |
| 17219038              | 062-38     | 38  | 3020        | 2          | 152 | 51   | 8,11  |
| 17219045              | 062-45     | 45  | 3020        | 7          | 154 | 51   | 9,00  |
| 17219057              | 062-57     | 57  | 3020        | 7          | 160 | 51   | 10,28 |
| 17219076              | 062-76     | 76  | 3020        | 7          | 160 | 51   | 15,24 |
| 17219095              | 062-95     | 95  | 3020        | 7          | 160 | 51   | 20,00 |
| 17219114              | 062-114    | 114 | 3030        | 7          | 160 | 76   | 25,00 |

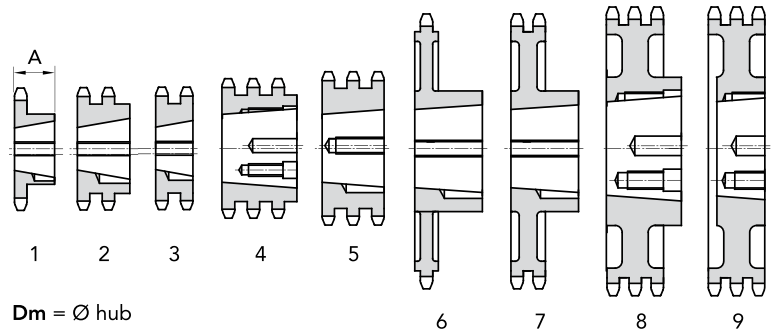


**MATERIAL**

STEEL  
C45 EN 10083

WITH INDUCTION HARDENED TEETH

CAST IRON G20/25 EN 1561



Hardened teeth HRC 45÷53

$D_m = \varnothing$  hub

| Simple - Semplici 16 B1 |          |          |         |             |            |    |     |          |
|-------------------------|----------|----------|---------|-------------|------------|----|-----|----------|
| PITCH                   | CODE     | PITCH    | Z       | TAPER BRUSH | EXEC. TYPE | Dm | A   | Kg       |
| 1" 25,40mm              | 17125013 | -        | 081-13  | 13          | 1610       | 1  | 78  | 25 0,98  |
|                         | 17125014 | -        | 081-14  | 14          | 1610       | 1  | 78  | 25 1,14  |
| 16-B                    | 17125015 | 18125015 | 081-15  | 15          | 1610       | 1  | 78  | 25 1,30  |
|                         | 17125016 | -        | 081-16  | 16          | 2012       | 1  | 90  | 32 1,40  |
|                         | 17125017 | 18125017 | 081-17  | 17          | 2012       | 1  | 90  | 32 1,59  |
|                         | 17125018 | -        | 081-18  | 18          | 2517       | 1  | 108 | 45 2,10  |
|                         | 17125019 | 18125019 | 081-19  | 19          | 2517       | 1  | 108 | 45 2,29  |
|                         | 17125020 | -        | 081-20  | 20          | 2517       | 1  | 108 | 45 2,60  |
|                         | 17125021 | 18125021 | 081-21  | 21          | 2517       | 1  | 108 | 45 2,81  |
|                         | 17125022 | -        | 081-22  | 22          | 2517       | 1  | 108 | 45 3,10  |
|                         | 17125023 | 18125023 | 081-23  | 23          | 2517       | 1  | 108 | 45 3,38  |
|                         | 17125024 | -        | 081-24  | 24          | 2517       | 1  | 108 | 45 3,70  |
|                         | 17125025 | 18125025 | 081-25  | 25          | 2517       | 1  | 108 | 45 3,97  |
|                         | 17125026 | -        | 081-26  | 26          | 2517       | 1  | 108 | 45 4,26  |
|                         | 17125027 | 18125027 | 081-27  | 27          | 2517       | 1  | 108 | 45 4,55  |
|                         | 17125028 | -        | 081-28  | 28          | 2517       | 1  | 108 | 45 5,26  |
|                         | 17125030 | 18125030 | 081-30  | 30          | 3020       | 1  | 160 | 51 5,97  |
|                         | 17125038 | -        | 081-38  | 38          | 3020       | 1  | 160 | 51 8,73  |
|                         | 17125045 | -        | 081-45  | 45          | 3020       | 1  | 160 | 51 12,49 |
|                         | 17125057 | -        | 081-57  | 57          | 3020       | 6  | 160 | 51 13,87 |
|                         | 17125076 | -        | 081-76  | 76          | 3020       | 6  | 160 | 51 22,63 |
|                         | 17125095 | -        | 081-95  | 95          | 3020       | 6  | 160 | 51 32,00 |
|                         | 17125114 | -        | 081-114 | 114         | 3030       | 6  | 150 | 76 50,00 |

| Double - Doppi 16 B2 |            |     |             |            |     |      |      |  |
|----------------------|------------|-----|-------------|------------|-----|------|------|--|
| CODE                 | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A    | Kg   |  |
| 17225013             | 082-13     | 13  | 1610        | 3          | -   | 47,7 | 1,70 |  |
| 17225014             | 082-14     | 14  | 1610        | 3          | -   | 47,7 | 1,90 |  |
| 17225015             | 082-15     | 15  | 2012        | 3          | -   | 47,7 | 2,11 |  |
| 17225016             | 082-16     | 16  | 2517        | 3          | -   | 47,7 | 2,25 |  |
| 17225017             | 082-17     | 17  | 2517        | 3          | -   | 47,7 | 2,53 |  |
| 17225018             | 082-18     | 18  | 2517        | 3          | -   | 47,7 | 3,10 |  |
| 17225019             | 082-19     | 19  | 2517        | 3          | -   | 47,7 | 3,50 |  |
| 17225020             | 082-20     | 20  | 2517        | 3          | -   | 47,7 | 4,10 |  |
| 17225021             | 082-21     | 21  | 3020        | 2          | 143 | 51   | 4,15 |  |
| 17225022             | 082-22     | 22  | 3020        | 2          | 150 | 51   | 4,90 |  |
| 17225023             | 082-23     | 23  | 3020        | 2          | 160 | 51   | 5,69 |  |
| 17225024             | 082-24     | 24  | 3020        | 2          | 166 | 51   | 6,00 |  |
| 17225025             | 082-25     | 25  | 3020        | 2          | 175 | 51   | 6,38 |  |
| 17225026             | 082-26     | 26  | 3020        | 2          | 175 | 51   | 7,80 |  |
| 17225027             | 082-27     | 27  | 3020        | 2          | 175 | 51   | 9,27 |  |
| 17225028             | 082-28     | 28  | 3020        | 2          | 175 | 51   | 11,4 |  |
| 17225030             | 082-30     | 30  | 3020        | 2          | 175 | 51   | 13,5 |  |
| 17225038             | 082-38     | 38  | 3030        | 7          | 160 | 76   | 13,8 |  |
| 17225045             | 082-45     | 45  | 3030        | 7          | 160 | 76   | 17,4 |  |
| 17225057             | 082-57     | 57  | 3535        | 7          | 175 | 89   | 22,4 |  |
| 17225076             | 082-76     | 76  | 3535        | 7          | 175 | 89   | 33,2 |  |
| 17225095             | 082-95     | 95  | 4040        | 7          | 215 | 102  | 52,5 |  |
| 17225114             | 082-114    | 114 | 4040        | 7          | 215 | 102  | 80,0 |  |

| Simple - Semplici 20 B-1 |          |          |         |             |            |    |     |           |
|--------------------------|----------|----------|---------|-------------|------------|----|-----|-----------|
| PITCH                    | CODE     | PITCH    | Z       | TAPER BRUSH | EXEC. TYPE | Dm | A   | Kg        |
| 1" 1/4" 31,75mm          | 17131015 | 18131015 | 081-15  | 15          | 2517       | 1  | 108 | 45 3,39   |
|                          | 17131017 | 18131017 | 081-17  | 17          | 2517       | 1  | 108 | 45 5,07   |
| 20-B                     | 17131019 | 18131019 | 081-19  | 19          | 2517       | 1  | 108 | 45 6,75   |
|                          | 17131021 | 18131021 | 081-21  | 21          | 2517       | 1  | 108 | 45 7,70   |
|                          | 17131023 | 18131023 | 081-23  | 23          | 2517       | 1  | 108 | 45 8,78   |
|                          | 17131025 | 18131025 | 081-25  | 25          | 2517       | 1  | 108 | 45 9,50   |
|                          | 17131030 | 18131030 | 081-30  | 30          | 3020       | 1  | 160 | 51 15,90  |
|                          | 17131038 | -        | 081-38  | 38          | 3020       | 6  | 160 | 51 12,80  |
|                          | 17131045 | -        | 081-45  | 45          | 3020       | 6  | 160 | 51 14,50  |
|                          | 17131057 | -        | 081-57  | 57          | 3020       | 6  | 160 | 51 18,40  |
|                          | 17131076 | -        | 081-76  | 76          | 3020       | 6  | 160 | 51 28,90  |
|                          | 17131095 | -        | 081-95  | 95          | 3030       | 6  | 160 | 76 40,50  |
|                          | 17131114 | -        | 081-114 | 114         | 4040       | 6  | 240 | 102 54,00 |

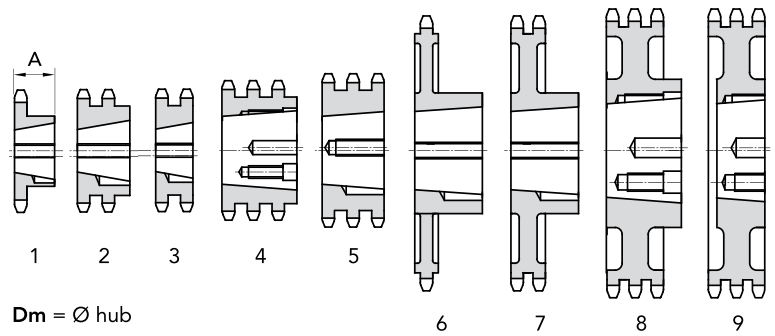
| CODE | CODE PITCH | Z | TAPER BRUSH | EXEC. TYPE | Dm | A | Kg |
|------|------------|---|-------------|------------|----|---|----|
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |



**MATERIAL** STEEL  
C45 EN 10083

WITH INDUCTION HARDENED TEETH

CAST IRON G20/25 EN 1561



Hardened teeth HRC 45÷53

| Triple - Tripli 12 B3 |          |            |     |             |            |     |    |       |
|-----------------------|----------|------------|-----|-------------|------------|-----|----|-------|
| PITCH                 | CODE     | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A  | Kg    |
| 3/4" 19,05mm          | 17319015 | 063-15     | 15  | 1615        | 5          | -   | -  | 1,11  |
|                       | 17319017 | 063-17     | 17  | 2012        | 5          | -   | -  | 1,75  |
| 12-B                  | 17319019 | 063-19     | 19  | 2012        | 5          | -   | -  | 2,02  |
|                       | 17319021 | 063-21     | 21  | 2517        | 5          | -   | -  | 2,49  |
|                       | 17319023 | 063-23     | 23  | 2517        | 5          | -   | -  | 3,00  |
|                       | 17319025 | 063-25     | 25  | 2517        | 5          | -   | -  | 3,98  |
|                       | 17319027 | 063-27     | 27  | 3020        | 4          | 140 | 51 | 3,90  |
|                       | 17319030 | 063-30     | 30  | 3020        | 4          | 140 | 51 | 5,64  |
|                       | 17319038 | 063-38     | 38  | 3020        | 4          | 140 | 51 | 11,58 |
|                       | 17319045 | 063-45     | 45  | 3020        | 4          | 159 | 51 | 12,11 |
|                       | 17319057 | 063-57     | 57  | 3020        | 8          | 160 | 51 | 11,40 |
|                       | 17319076 | 063-76     | 76  | 3020        | 8          | 160 | 51 | 17,20 |
|                       | 17319095 | 063-95     | 95  | 3030        | 8          | 160 | 76 | 27,60 |
|                       | 17319114 | 063-114    | 114 | 3030        | 8          | 160 | 76 | 35,00 |

| CODE | CODE PITCH | Z | TAPER BRUSH | EXEC. TYPE | Dm | A | Kg |
|------|------------|---|-------------|------------|----|---|----|
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |

| Triple - Tripli 16 B3 |          |            |     |             |            |     |     |        |
|-----------------------|----------|------------|-----|-------------|------------|-----|-----|--------|
| PITCH                 | CODE     | CODE PITCH | Z   | TAPER BRUSH | EXEC. TYPE | Dm  | A   | Kg     |
| 1" 25,40mm            | 17325017 | 083-17     | 17  | 2517        | 5          | -   | -   | 4,29   |
|                       | 17325019 | 083-19     | 19  | 3020        | 5          | -   | -   | 4,36   |
| 16-B                  | 17325021 | 083-21     | 21  | 3020        | 5          | -   | -   | 6,69   |
|                       | 17325023 | 083-23     | 23  | 3525        | 5          | -   | -   | 7,80   |
|                       | 17325025 | 083-25     | 25  | 3525        | 5          | -   | -   | 10,93  |
|                       | 17325027 | 083-27     | 27  | 3525        | 5          | -   | -   | 14,06  |
|                       | 17325030 | 083-30     | 30  | 3525        | 5          | -   | -   | 19,10  |
|                       | 17325038 | 083-38     | 38  | 3535        | 8          | 178 | 87  | 19,50  |
|                       | 17325045 | 083-45     | 45  | 4040        | 8          | 216 | 102 | 29,80  |
|                       | 17325057 | 083-57     | 57  | 4040        | 8          | 216 | 102 | 38,50  |
|                       | 17325076 | 083-76     | 76  | 4040        | 8          | 216 | 102 | 53,75  |
|                       | 17325095 | 083-95     | 95  | 4040        | 8          | 240 | 102 | 80,80  |
|                       | 17325114 | 083-114    | 114 | 4545        | 8          | 260 | 115 | 120,00 |

| CODE | CODE PITCH | Z | TAPER BRUSH | EXEC. TYPE | Dm | A | Kg |
|------|------------|---|-------------|------------|----|---|----|
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |
|      |            |   |             |            |    |   |    |



## 3/8" x 7/32" (06-B)

### CHAIN SPROCKETS

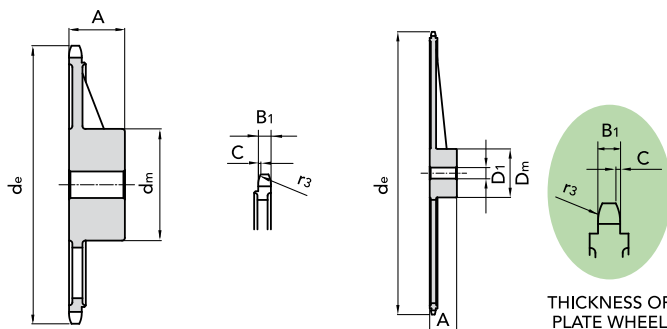
|             |         |
|-------------|---------|
| $r_3$       | 10,0 mm |
| $C$         | 1,0 mm  |
| $B_1 (S)$   | 5,3 mm  |
| $b_1 (D-T)$ | 5,2 mm  |
| $B_2 (D)$   | 15,4 mm |
| $B_3 (T)$   | 25,6 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 5,72 mm  |
| Roller Ø    | 6,35 mm  |

We do manufacture **SPROCKETS** in cast iron version **ASA** upon request

Simple chain sprockets with duplex reinforce



| Simple - Semplici 06-B-1 |                |                |          |                |                |    |      |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|------|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |
| 38                       | 119,5          | 115,35         | 12109038 | 70             | 20             | 32 | 1,12 |
| 45                       | 140,7          | 136,55         | 12109045 | 70             | 20             | 32 | 1,30 |
| 57                       | 176,9          | 172,91         | 12109057 | 70             | 20             | 32 | 1,55 |
| 76                       | 234,9          | 230,49         | 12109076 | 70             | 20             | 32 | 2,00 |
| 95                       | 292,5          | 288,08         | 12109095 | 80             | 20             | 40 | 3,83 |
| 114                      | 349,6          | 345,68         | 12109114 | 80             | 20             | 40 | 4,05 |
| 150                      | 459,2          | 454,82         | 12109150 | 90             | 21             | 45 | 4,05 |

| Double - Doppi 06-B-2 |                |                |    |      |  |
|-----------------------|----------------|----------------|----|------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12209038              | 80             | 24             | 40 | 1,90 |  |
| 12209045              | 80             | 24             | 40 | 2,06 |  |
| 12209057              | 80             | 24             | 40 | 2,30 |  |
| 12209076              | 80             | 24             | 40 | 3,02 |  |
| 12209095              | 90             | 24             | 45 | 4,68 |  |
| 12209114              | 95             | 24             | 45 | 5,90 |  |
| 12209150              | 100            | 24             | 50 | 5,90 |  |

| Triple - Tripli 06-B-3 |                |                |    |       |  |
|------------------------|----------------|----------------|----|-------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |  |
| 12309038               | 90             | 24             | 56 | 3,00  |  |
| 12309045               | 90             | 24             | 56 | 3,56  |  |
| 12309057               | 90             | 24             | 56 | 3,97  |  |
| 12309076               | 100            | 24             | 56 | 4,52  |  |
| 12309095               | 100            | 24             | 56 | 6,12  |  |
| 12309114               | 100            | 24             | 56 | 10,00 |  |
| 12309150               | 125            | 24             | 60 | 9,00  |  |

## 1/2" x 5/16" (08-B)

### CHAIN SPROCKETS

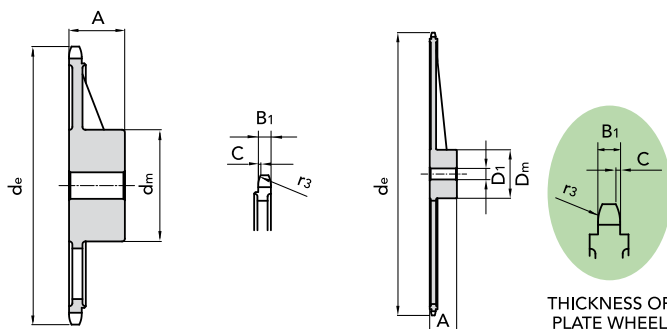
|             |         |
|-------------|---------|
| $r_3$       | 13,0 mm |
| $C$         | 1,3 mm  |
| $B_1 (S)$   | 7,2 mm  |
| $b_1 (D-T)$ | 7,0 mm  |
| $B_2 (D)$   | 21,0 mm |
| $B_3 (T)$   | 34,9 mm |

### CHAIN

|             |         |
|-------------|---------|
| Pitch       | 12,7 mm |
| Inner width | 7,75 mm |
| Roller Ø    | 8,51 mm |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



| Simple - Semplici 08-B-1 |                |                |          |                |                |    |      |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|------|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |
| 38                       | 158,6          | 153,8          | 12112038 | 70             | 20             | 40 | 1,56 |
| 45                       | 188,0          | 182,0          | 12112045 | 70             | 20             | 40 | 1,95 |
| 57                       | 236,4          | 230,54         | 12112057 | 70             | 20             | 40 | 2,46 |
| 76                       | 313,3          | 307,33         | 12112076 | 80             | 24             | 40 | 4,20 |
| 95                       | 390,1          | 384,11         | 12112095 | 80             | 24             | 45 | 5,45 |
| 114                      | 466,9          | 460,9          | 12112114 | 91             | 24             | 45 | 8,35 |

| Double - Doppi 08-B-2 |                |                |    |      |  |
|-----------------------|----------------|----------------|----|------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12212038              | 90             | 24             | 50 | 3,15 |  |
| 12212045              | 90             | 24             | 50 | 3,56 |  |
| 12212057              | 90             | 24             | 50 | 4,00 |  |
| 12212076              | 100            | 24             | 56 | 6,35 |  |
| 12212095              | 100            | 24             | 56 | 8,00 |  |
| 12212114              | 100            | 24             | 63 | 11,9 |  |

| Triple - Tripli 08-B-3 |                |                |    |      |  |
|------------------------|----------------|----------------|----|------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12312038               | 100            | 24             | 60 | 4,45 |  |
| 12312045               | 100            | 24             | 60 | 5,85 |  |
| 12312057               | 100            | 24             | 60 | 6,28 |  |
| 12312076               | 100            | 24             | 60 | 8,60 |  |
| 12312095               | 120            | 24             | 67 | 11,9 |  |
| 12312114               | 120            | 24             | 67 | 15,0 |  |



## 5/8" x 3/8" (10-B)

### CHAIN SPROCKETS

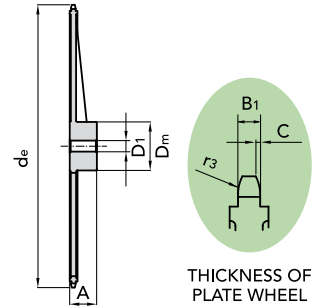
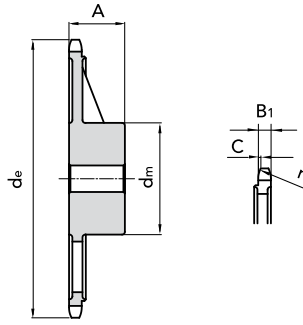
|             |         |
|-------------|---------|
| $r_3$       | 16,0 mm |
| $C$         | 1,6 mm  |
| $B_1 (S)$   | 9,1 mm  |
| $b_1 (D-T)$ | 9,0 mm  |
| $B_2 (D)$   | 25,5 mm |
| $B_3 (T)$   | 42,1 mm |

### CHAIN

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,65 mm   |
| Roller Ø    | 10,16 mm  |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



THICKNESS OF PLATE WHEEL

| Simple - Semplici 10-B-1 |                |                |          |                |                |    |       |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|-------|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |
| 38                       | 199,2          | 192,24         | 12115038 | 80             | 20             | 40 | 2,32  |
| 45                       | 235            | 227,58         | 12115045 | 80             | 20             | 40 | 2,88  |
| 57                       | 296            | 288,18         | 12115057 | 90             | 24             | 45 | 4,30  |
| 76                       | 392,1          | 384,16         | 12115076 | 90             | 24             | 50 | 7,00  |
| 95                       | 488,5          | 480,14         | 12115095 | 100            | 24             | 56 | 10,65 |
| 114                      | 584,1          | 576,13         | 12115114 | 100            | 24             | 56 | 14,50 |

| Double - Doppi 10-B-2 |                |                |    |      |  |
|-----------------------|----------------|----------------|----|------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12215038              | 100            | 30             | 50 | 4,56 |  |
| 12215045              | 100            | 30             | 50 | 4,93 |  |
| 12215057              | 100            | 30             | 56 | 6,50 |  |
| 12215076              | 100            | 30             | 63 | 9,10 |  |
| 12215095              | 110            | 30             | 63 | 12,6 |  |
| 12215114              | 125            | 30             | 70 | 17,8 |  |

| Triple - Tripli 10-B-3 |                |                |    |      |  |
|------------------------|----------------|----------------|----|------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12315038               | 100            | 32             | 60 | 6,00 |  |
| 12315045               | 100            | 32             | 60 | 7,04 |  |
| 12315057               | 100            | 32             | 63 | 8,00 |  |
| 12315076               | 110            | 35             | 67 | 12,0 |  |
| 12315095               | 125            | 35             | 70 | 19,4 |  |
| 12315114               | 125            | 35             | 80 | 24,0 |  |

## 3/4" x 7/16" (12-B)

### CHAIN SPROCKETS

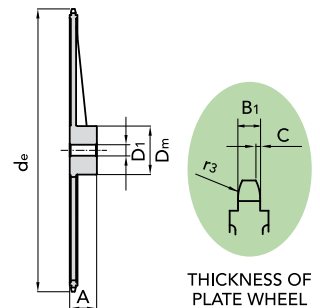
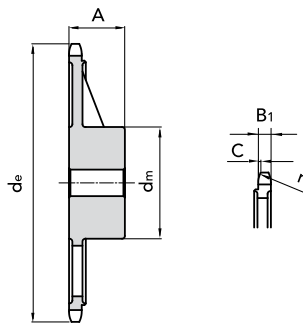
|             |         |
|-------------|---------|
| $r_3$       | 19,0 mm |
| $C$         | 2,0 mm  |
| $B_1 (S)$   | 11,1 mm |
| $b_1 (D-T)$ | 10,8 mm |
| $B_2 (D)$   | 30,3 mm |
| $B_3 (T)$   | 49,8 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 11,68 mm |
| Roller Ø    | 12,07 mm |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



THICKNESS OF PLATE WHEEL

| Simple - Semplici 12-B-1 |                |                |          |                |                |    |       |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|-------|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |
| 38                       | 239            | 230,69         | 12119038 | 100            | 24             | 56 | 4,75  |
| 45                       | 282,5          | 273,1          | 12119045 | 100            | 24             | 56 | 5,90  |
| 57                       | 354            | 345,81         | 12119057 | 100            | 30             | 56 | 6,45  |
| 76                       | 469,9          | 460,99         | 12119076 | 100            | 30             | 56 | 12,30 |
| 95                       | 585,1          | 576,17         | 12119095 | 100            | 30             | 56 | 15,40 |
| 114                      | 700,6          | 691,36         | 12119114 | 100            | 30             | 56 | 24,80 |

| Double - Doppi 12-B-2 |                |                |    |      |  |
|-----------------------|----------------|----------------|----|------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A  | kg.  |  |
| 12219038              | 110            | 24             | 63 | 7,50 |  |
| 12219045              | 110            | 24             | 63 | 8,30 |  |
| 12219057              | 120            | 30             | 63 | 10,3 |  |
| 12219076              | 135            | 30             | 63 | 15,2 |  |
| 12219095              | 135            | 30             | 70 | 21,2 |  |
| 12219114              | 135            | 30             | 70 | 30,4 |  |

| Triple - Tripli 12-B-3 |                |                |    |       |  |
|------------------------|----------------|----------------|----|-------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |  |
| 12319038               | 140            | 31             | 70 | 10,00 |  |
| 12319045               | 140            | 31             | 70 | 13,30 |  |
| 12319057               | 140            | 39             | 70 | 15,25 |  |
| 12319076               | 160            | 39             | 75 | 27,20 |  |
| 12319095               | 170            | 39             | 82 | 36,40 |  |
| 12319114               | 170            | 49             | 82 | 41,10 |  |



## 1" x 17.02 mm (16-B)

### CHAIN SPROCKETS

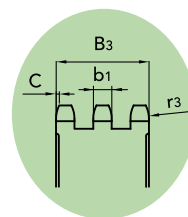
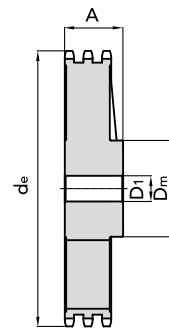
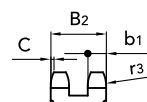
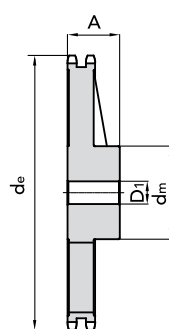
|       |         |
|-------|---------|
| $r_3$ | 26,0 mm |
| $C$   | 2,5 mm  |
| $B_1$ | 16,2 mm |
| $b_1$ | 15,8 mm |
| $B_2$ | 47,7 mm |
| $B_3$ | 79,6 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 17,02 mm |
| Roller Ø    | 5,88 mm  |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



THICKNESS OF PLATE WHEEL

| Simple - Semplici 16-B-1 |                |                |          |                |                |    |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  |
| 30                       | 254            | 243            | 12125030 | 110            | 29             | 65 |
| 38                       | 320            | 307,59         | 12125038 | 110            | 29             | 65 |
| 45                       | 377            | 364,13         | 12125045 | 125            | 29             | 70 |
| 57                       | 474            | 461,08         | 12125057 | 125            | 34             | 70 |
| 76                       | 627            | 614,65         | 12125076 | 140            | 34             | 80 |
| 95                       | 781            | 768,22         | 12125095 | 140            | 39             | 80 |
| 114                      | 933            | 921,81         | 12125114 | 150            | 39             | 80 |

| Double - Doppi 16-B-2 |                |                |    |       |  |
|-----------------------|----------------|----------------|----|-------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A  | kg.   |  |
| 12225030              | 125            | 39             | 75 | 13,30 |  |
| 12225038              | 140            | 39             | 75 | 16,45 |  |
| 12225045              | 150            | 39             | 75 | 19,20 |  |
| 12225057              | 170            | 39             | 90 | 29,50 |  |
| 12225076              | 175            | 39             | 95 | 46,30 |  |
| 12225095              | 175            | 44             | 95 | 53,00 |  |
| 12225114              | 175            | 44             | 95 | 74,00 |  |

| Triple - Tripli 16-B-3 |                |                |     |       |  |
|------------------------|----------------|----------------|-----|-------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A   | kg.   |  |
| 12325030               | 145            | 39             | 90  | 20,00 |  |
| 12325038               | 160            | 44             | 100 | 25,40 |  |
| 12325045               | 160            | 44             | 100 | 33,60 |  |
| 12325057               | 165            | 44             | 100 | 44,70 |  |
| 12325076               | 200            | 44             | 110 | 63,10 |  |
| 12325095               | 200            | 49             | 110 | 77,00 |  |
| 12325114               | 200            | 49             | 115 | 97,00 |  |

## 1" 1/4 x 3/4" (20-B)

### CHAIN SPROCKETS

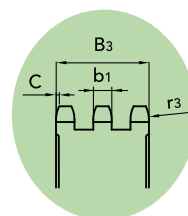
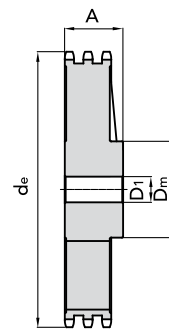
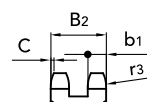
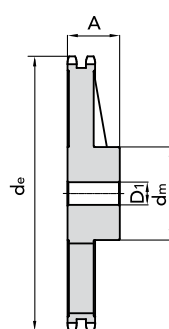
|       |         |
|-------|---------|
| $r_3$ | 32,0 mm |
| $C$   | 3,5 mm  |
| $B_1$ | 18,5 mm |
| $b_1$ | 18,2 mm |
| $B_2$ | 54,6 mm |
| $B_3$ | 91,0 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,56 mm |
| Roller Ø    | 19,05 mm |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



THICKNESS OF PLATE WHEEL

| Simple - Semplici 20-B-1 |                |                |          |                |                |    |
|--------------------------|----------------|----------------|----------|----------------|----------------|----|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A  |
| 30                       | 318,9          | 303,75         | 12131030 | 115            | 34             | 70 |
| 38                       | 399,6          | 384,49         | 12131038 | 125            | 34             | 70 |
| 45                       | 470,3          | 455,17         | 12131045 | 125            | 34             | 70 |
| 57                       | 591,5          | 576,36         | 12131057 | 135            | 39             | 80 |
| 76                       | 783,5          | 768,32         | 12131076 | 140            | 49             | 90 |

| Double - Doppi 20-B-2 |                |                |     |       |  |
|-----------------------|----------------|----------------|-----|-------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A   | kg.   |  |
| 12231030              | 130            | 39             | 80  | 22,00 |  |
| 12231038              | 140            | 44             | 90  | 24,80 |  |
| 12231045              | 140            | 44             | 90  | 32,00 |  |
| 12231057              | 160            | 49             | 100 | 43,00 |  |
| 12231076              | 180            | 55             | 100 | 62,50 |  |

| Triple - Tripli 20-B-3 |                |                |     |       |  |
|------------------------|----------------|----------------|-----|-------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A   | kg.   |  |
| 12331038               | 170            | 55             | 110 | 52,00 |  |
| 12331057               | 180            | 62             | 125 | 71,50 |  |

## 1" 1/2 x 1" (24-B)

### CHAIN SPROCKETS

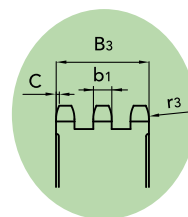
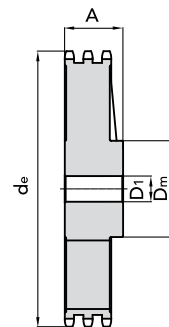
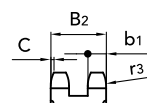
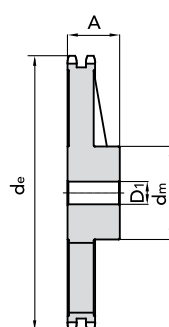
|       |         |
|-------|---------|
| $r_3$ | 32,0 mm |
| $C$   | 3,5 mm  |
| $B_1$ | 18,5 mm |
| $b_1$ | 18,2 mm |
| $B_2$ | 54,6 mm |
| $B_3$ | 91,0 mm |

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,56 mm |
| Roller Ø    | 19,05 mm |

We do not manufacture **SPROCKETS** in cast iron version **ASA**

Simple chain sprockets with duplex reinforce



THICKNESS OF PLATE WHEEL

| Simple - Semplici 24-B-1 |                |                |          |                |                |     |
|--------------------------|----------------|----------------|----------|----------------|----------------|-----|
| Z                        | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A   |
| 30                       | 379,5          | 364,5          | 12138030 | 130            | 39             | 85  |
| 38                       | 476,2          | 461,39         | 12138038 | 140            | 44             | 90  |
| 45                       | 561,2          | 546,2          | 12138045 | 140            | 44             | 90  |
| 57                       | 706,5          | 691,63         | 12138057 | 160            | 44             | 100 |
| 76                       | 936,9          | 921,98         | 12138076 | 170            | 44             | 100 |

| Double - Doppi 24-B-2 |                |                |     |        |  |
|-----------------------|----------------|----------------|-----|--------|--|
| CODE                  | d <sub>m</sub> | D <sub>1</sub> | A   | kg.    |  |
| 12238038              | 180            | 44             | 100 | 42,20  |  |
| 12238057              | 200            | 54             | 110 | 72,70  |  |
| 12238076              | 220            | 54             | 120 | 125,00 |  |

| Triple - Tripli 24-B-3 |                |                |     |        |  |
|------------------------|----------------|----------------|-----|--------|--|
| CODE                   | d <sub>m</sub> | D <sub>1</sub> | A   | kg.    |  |
| 12338038               | 200            | 62             | 150 | 42,50  |  |
| 12338057               | 200            | 62             | 150 | 119,40 |  |
| 12338076               | 250            | 69             | 150 | 150,00 |  |



## CHAIN SPROCKETS P50

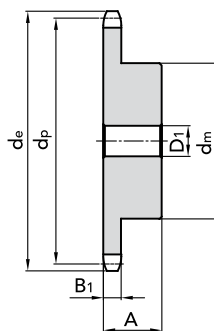
## CHAIN

|                    |         |
|--------------------|---------|
| Pitch              | 50,0 mm |
| Inner width        | 11,5 mm |
| Roller Ø           | 25,0 mm |
| Plate thickness B1 | 10,5 mm |

## CHAIN

|                    |         |
|--------------------|---------|
| Pitch              | 50,0 mm |
| Inner width        | 15,0 mm |
| Roller Ø           | 31,0 mm |
| Plate thickness B1 | 13,8 mm |

Upon request all the chain sprockets for transporters and elevators can be realized with **welded hub**



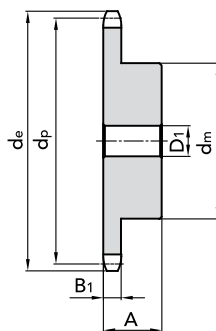
| Roller - Rullo 25 |                |                |          |                |                |      |       |
|-------------------|----------------|----------------|----------|----------------|----------------|------|-------|
| Z                 | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A    | kg.   |
| 6                 | 115,0          | 100,0          | 14502506 | 20             | 60             | 40,5 | 1,11  |
| 7                 | 132,7          | 115,24         | 14502507 | 20             | 60             | 40,5 | 1,37  |
| 8                 | 148,1          | 130,6          | 14502508 | 20             | 60             | 40,5 | 1,55  |
| 9                 | 163,7          | 146,2          | 14502509 | 20             | 60             | 40,5 | 1,89  |
| 10                | 179,3          | 161,80         | 14502510 | 25             | 90             | 43,3 | 3,10  |
| 11                | 195,0          | 177,5          | 14502511 | 25             | 90             | 43,3 | 3,44  |
| 12                | 211,0          | 193,2          | 14502512 | 25             | 90             | 43,3 | 4,79  |
| 13                | 226,4          | 208,95         | 14502513 | 30             | 90             | 43,3 | 4,17  |
| 14                | 242,2          | 224,7          | 14502514 | 30             | 90             | 43,3 | 4,63  |
| 15                | 257,9          | 240,45         | 14502515 | 30             | 90             | 43,3 | 5,09  |
| 16                | 273,8          | 256,3          | 14502516 | 30             | 110            | 55,4 | 8,26  |
| 17                | 289,5          | 272,05         | 14502517 | 30             | 110            | 55,4 | 9,10  |
| 18                | 305,4          | 287,95         | 14502518 | 30             | 110            | 55,4 | 9,26  |
| 19                |                |                |          |                |                |      |       |
| 20                | 337,1          | 319,6          | 14502520 | 30             | 110            | 55,4 | 10,42 |
| 21                | 352,9          | 335,45         | 14502521 | 30             | 110            | 55,4 | 11,71 |
| 22                |                |                |          |                |                |      |       |
| 23                |                |                |          |                |                |      |       |
| 24                | 400,0          | 383,05         | 14502524 | 30             | 110            | 55,4 | 13,00 |
| 25                | 416,4          | 398,95         | 14502525 | 30             | 110            | 55,4 | 13,98 |
| 26                | 432,3          | 414,8          | 14502526 | 30             | 133            | 61,1 | 15,20 |
| 27                | 448,2          | 430,7          | 14502527 | 30             | 133            | 61,1 | 17,03 |
| 28                | 464,0          | 446,55         | 14502528 | 30             | 133            | 61,1 | 18,62 |
| 30                | 495,8          | 478,35         | 14502530 | 30             | 133            | 61,1 | 20,29 |
| 32                |                |                |          |                |                |      |       |
| 35                |                |                |          |                |                |      |       |
| 38                | 622,9          | 605,45         | 14502538 | 30             | 133            | 61,1 | 26,97 |

| Roller - Rullo 31 |                |                |                |                |      |       |  |
|-------------------|----------------|----------------|----------------|----------------|------|-------|--|
| CODE              | d <sub>e</sub> | d <sub>p</sub> | D <sub>1</sub> | d <sub>m</sub> | A    | kg.   |  |
| 14503106          | 116,2          | 100            | 20             | 60             | 43,8 | 1,18  |  |
| 14503107          | 133,8          | 115,24         | 20             | 60             | 43,8 | 1,44  |  |
| 14503108          | 152,3          | 130,6          | 20             | 60             | 43,8 | 1,72  |  |
| 14503109          | 167,9          | 146,2          | 20             | 60             | 43,8 | 2,05  |  |
| 14503110          | 183,5          | 161,85         | 25             | 90             | 46,6 | 4,40  |  |
| 14503111          | 199,2          | 177,5          | 25             | 90             | 46,6 | 3,80  |  |
| 14503112          | 212,0          | 193,2          | 25             | 90             | 46,6 | 4,30  |  |
| 14503113          | 230,6          | 208,95         | 30             | 90             | 46,6 | 4,78  |  |
| 14503114          | 246,4          | 224,7          | 30             | 90             | 46,6 | 5,37  |  |
| 14503115          | 262,1          | 240,45         | 30             | 90             | 46,6 | 5,98  |  |
| 14503116          | 278,0          | 256,3          | 30             | 110            | 58,7 | 9,05  |  |
| 14503118          | 309,6          | 287,95         | 30             | 110            | 58,7 | 10,30 |  |
| 14503119          | 325,5          | 303,8          | 30             | 110            | 58,7 | 11,10 |  |
| 14503120          | 341,3          | 319,6          | 30             | 110            | 58,7 | 11,90 |  |
| 14503122          | 373,0          | 351,35         | 30             | 110            | 58,7 | 13,54 |  |
| 14503123          | 388,9          | 367,2          | 30             | 110            | 58,7 | 14,38 |  |
| 14503124          | 404,7          | 383,05         | 30             | 110            | 58,7 | 15,35 |  |
| 14503125          | 419,7          | 398,95         | 30             | 110            | 58,7 | 16,40 |  |
| 14503126          | 436,5          | 414,8          | 30             | 133            | 64,4 | 18,81 |  |
| 14503127          | 452,4          | 430,7          | 30             | 133            | 64,4 | 19,00 |  |
| 14503128          | 468,2          | 446,55         | 30             | 133            | 64,4 | 21,00 |  |
| 14503132          | 531,8          | 510,1          | 30             | 133            | 64,4 | 25,93 |  |
| 14503135          | 579,5          | 557,8          | 30             | 133            | 64,4 | 28,40 |  |
| 14503138          | 622            | 605,45         | 30             | 133            | 64,4 | 32,10 |  |

CHAIN SPROCKETS **P75****CHAIN**

|                    |         |
|--------------------|---------|
| Pitch              | 75,0 mm |
| Inner width        | 15,0 mm |
| Roller Ø           | 31,0 mm |
| Plate thickness B1 | 13,8 mm |

Upon request all the chain sprockets for transporters and elevators can be realized with **welded hub**



Roller - Rullo 31

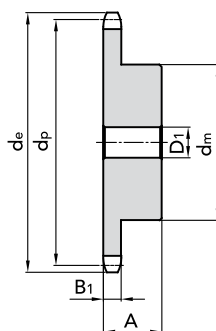
| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A    | kg.   |
|----|----------------|----------------|----------|----------------|----------------|------|-------|
| 8  | 217,6          | 195,98         | 14753108 | 30             | 90             | 46,6 | 4,52  |
| 9  | 241            | 219,3          | 14753109 | 30             | 90             | 46,6 | 5,36  |
| 10 | 264,4          | 242,77         | 14753110 | 30             | 110            | 58,7 | 8,70  |
| 11 | 287,9          | 266,25         | 14753111 | 30             | 110            | 58,7 | 9,60  |
| 12 | 311,5          | 289,8          | 14753112 | 30             | 110            | 58,7 | 10,73 |
| 13 | 334,1          | 313,42         | 14753113 | 30             | 110            | 58,7 | 11,83 |
| 14 | 358,7          | 337,05         | 14753114 | 30             | 110            | 58,7 | 11,83 |
| 15 | 382,3          | 360,67         | 14753115 | 30             | 110            | 58,7 | 14,45 |
| 16 | 406,1          | 384,45         | 14753116 | 30             | 133            | 64,4 | 17,43 |
| 17 | 429,7          | 408,07         | 14753117 | 30             | 133            | 64,4 | 17,43 |
| 21 | 524,8          | 503,17         | 14753121 | 30             | 133            | 64,4 | 26,07 |
| 25 | 620,1          | 598,42         | 14753125 | 30             | 133            | 64,4 | 26,07 |

CHAIN SPROCKETS **P100****CHAIN**

|                    |          |
|--------------------|----------|
| Pitch              | 100,0 mm |
| Inner width        | 15,0 mm  |
| Roller Ø           | 31,0 mm  |
| Plate thickness B1 | 13,8 mm  |

**CHAIN**

|                    |          |
|--------------------|----------|
| Pitch              | 100,0 mm |
| Inner width        | 22,0 mm  |
| Roller Ø           | 40,0 mm  |
| Plate thickness B1 | 20,0 mm  |



Roller - Rullo 31

| Z  | d <sub>e</sub> | d <sub>p</sub> | CODE     | d <sub>m</sub> | D <sub>1</sub> | A    | kg.   |
|----|----------------|----------------|----------|----------------|----------------|------|-------|
| 8  | 282,9          | 261,31         | 14993108 | 30             | 110            | 58,7 | 9,67  |
| 9  | 314,1          | 292,4          | 14993109 | 30             | 110            | 58,7 | 10,95 |
| 10 | 345,4          | 323,61         | 14993110 | 30             | 110            | 58,7 | 12,63 |
| 11 | 376,7          | 354,95         | 14993111 | 30             | 110            | 58,7 | 12,14 |
| 12 | 408,1          | 386,4          | 14993112 | 30             | 110            | 58,7 | 16,51 |
| 13 | 439,6          | 417,9          | 14993113 | 30             | 110            | 58,7 | 18,51 |
| 14 |                |                |          |                |                |      |       |
| 15 |                |                |          |                |                |      |       |
| 16 | 534,3          | 512,6          | 14993116 | 30             | 133            | 64,4 | 27,16 |
| 17 | 565,8          | 544,1          | 14993117 | 30             | 133            | 64,4 | 30,01 |
| 18 | 597,6          | 575,9          | 14993118 | 30             | 133            | 64,4 | 51,20 |
| 19 |                |                |          |                |                |      |       |
| 20 |                |                |          |                |                |      |       |

Roller - Rullo 40

| CODE     | d <sub>e</sub> | d <sub>p</sub> | D <sub>1</sub> | d <sub>m</sub> | A    | kg.   |
|----------|----------------|----------------|----------------|----------------|------|-------|
| 14994008 | 283            | 261,31         | 30             | 110            | 65   | 11,97 |
| 14994009 | 314            | 292,4          | 30             | 110            | 65   | 14,04 |
| 14994010 | 345            | 323,61         | 30             | 110            | 65   | 16,35 |
| 14994011 | 378            | 354,95         | 30             | 110            | 65   | 18,82 |
| 14994012 | 409            | 386,4          | 30             | 110            | 65   | 21,58 |
| 14994014 | 473            | 449,4          | 30             | 110            | 65   | 28,14 |
| 14994016 | 536            | 512,6          | 30             | 133            | 70,6 | 33,87 |
| 14994020 | 663            | 639,2          | 30             | 133            | 70,6 | 48,50 |



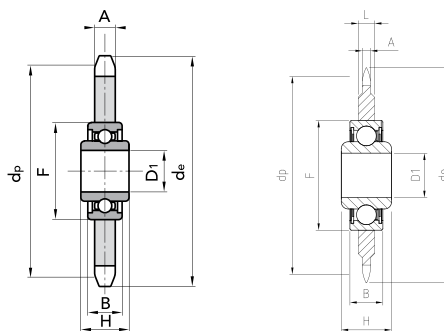




## WITH BEARING INA KRR

Our chain tensioning sprockets are supplied complete with bearing, ready for assembly in special tension or transmission points.

The accurate machining and stable assembly on a dual protective shield ball bearing ensure greater resistance to loads and wear. The central elongated ring of the bearing facilitates assembly on special machines of every type.

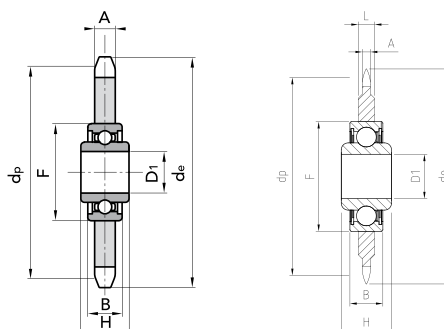


| Z  | PITCH        | d <sub>e</sub> | d <sub>p</sub> | CODE     | A    | L | D <sub>1</sub> | F  | B  | H    | Kg.  |
|----|--------------|----------------|----------------|----------|------|---|----------------|----|----|------|------|
| 23 | 8 x 3        | 62,15          | 58,75          | 30008123 | 2,8  | 5 | 16             | 40 | 12 | 18,3 | 0,13 |
| 21 | 3/8" x 7/32" | 68,00          | 63,90          | 30009121 | 5,3  |   | 16             | 40 | 12 | 18,3 | 0,15 |
| 18 | 1/2" x 1/8"  | 78,90          | 73,14          | 30010118 | 3,0  | 6 | 16             | 40 | 12 | 18,3 | 0,18 |
| 18 | 1/2" x 3/16" | 78,90          | 73,13          | 30011118 | 4,5  | 6 | 16             | 40 | 12 | 18,3 | 0,20 |
| 16 | 1/2" x 5/16" | 69,50          | 65,10          | 30012116 | 7,2  |   | 16             | 40 | 12 | 18,3 | 0,17 |
| 18 | 1/2" x 5/16" | 77,80          | 73,14          | 30012118 | 7,2  |   | 16             | 40 | 12 | 18,3 | 0,22 |
| 14 | 5/8" x 3/8"  | 78,00          | 71,34          | 30015114 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,23 |
| 15 | 5/8" x 3/8"  | 83,00          | 76,36          | 30015115 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,27 |
| 17 | 5/8" x 3/8"  | 93,00          | 86,39          | 30015117 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,36 |
| 13 | 3/4" x 7/16" | 87,50          | 79,59          | 30019113 | 11,1 |   | 16             | 40 | 12 | 18,3 | 0,34 |
| 15 | 3/4" x 7/16" | 99,80          | 91,63          | 30019115 | 11,1 |   | 16             | 40 | 12 | 18,3 | 0,47 |
| 12 | 1" x 17.02   | 109,00         | 98,14          | 30025112 | 16,2 |   | 20             | 47 | 14 | 17,7 | 0,72 |
| 13 | 1"1/4 x 3/4" | 147,80         | 132,65         | 30031113 | 18,5 |   | 25             | 52 | 15 | 21,0 | 1,64 |

## WITH STANDARD BEARING

Our chain tensioning sprockets are supplied complete with bearing, ready for assembly in special tension or transmission points.

The accurate machining and stable assembly on a dual protective shield ball bearing ensure greater resistance to loads and wear. The central elongated ring of the bearing facilitates assembly on special machines of every type.



| Z  | PITCH        | d <sub>e</sub> | d <sub>p</sub> | CODE     | A    | L | D <sub>1</sub> | F  | B  | H    | Kg.  |
|----|--------------|----------------|----------------|----------|------|---|----------------|----|----|------|------|
| 23 | 8 x 3        | 62,15          | 58,75          | 30008023 | 2,8  | 5 | 16             | 40 | 12 | 18,3 | 0,13 |
| 21 | 3/8" x 7/32" | 68,00          | 63,90          | 30009021 | 5,3  |   | 16             | 40 | 12 | 18,3 | 0,15 |
| 22 | 3/8" x 7/32" | 71,00          | 66,93          | 30009022 | 5,3  |   | 16             | 40 | 12 | 18,3 | 0,16 |
| 18 | 1/2" x 1/8"  | 78,90          | 73,14          | 30010018 | 3,0  | 6 | 16             | 40 | 12 | 18,3 | 0,18 |
| 15 | 1/2" x 3/16" | 66,80          | 61,09          | 30011015 | 4,5  | 6 | 16             | 40 | 12 | 18,3 | 0,16 |
| 16 | 1/2" x 3/16" | 70,90          | 65,10          | 30011016 | 4,5  | 6 | 16             | 40 | 12 | 18,3 | 0,17 |
| 18 | 1/2" x 3/16" | 78,90          | 73,13          | 30011018 | 4,5  | 6 | 16             | 40 | 12 | 18,3 | 0,20 |
| 14 | 1/2" x 5/16" | 61,80          | 57,07          | 30012014 | 7,2  |   | 16             | 40 | 12 | 18,3 | 0,13 |
| 16 | 1/2" x 5/16" | 69,50          | 65,10          | 30012016 | 7,2  |   | 16             | 40 | 12 | 18,3 | 0,17 |
| 18 | 1/2" x 5/16" | 77,80          | 73,14          | 30012018 | 7,2  |   | 16             | 40 | 12 | 18,3 | 0,22 |
| 14 | 5/8" x 3/8"  | 78,00          | 71,34          | 30015014 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,23 |
| 15 | 5/8" x 3/8"  | 83,00          | 76,36          | 30015015 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,27 |
| 17 | 5/8" x 3/8"  | 93,00          | 86,39          | 30015017 | 9,1  |   | 16             | 40 | 12 | 18,3 | 0,36 |
| 13 | 3/4" x 7/16" | 87,50          | 79,59          | 30019013 | 11,1 |   | 16             | 40 | 12 | 18,3 | 0,34 |
| 15 | 3/4" x 7/16" | 99,80          | 91,63          | 30019015 | 11,1 |   | 16             | 40 | 12 | 18,3 | 0,47 |
| 12 | 1" x 17.02   | 109,00         | 98,14          | 30025012 | 16,2 |   | 20             | 47 | 14 | 17,7 | 0,72 |
| 13 | 1"1/4 x 3/4" | 147,80         | 132,65         | 30031013 | 18,5 |   | 25             | 52 | 15 | 21,0 | 1,64 |

# Platewheels

## LEGEND

PLATEWHEEL = *CORONA*

TOOTH RADIUS = *RAGGIO DENTE* =  $r_3$

RADIUS = *RAGGIO* =  $C$

PLATE TOOTH WIDTH = *LARGHEZZA DENTE CORONA* =  $B_1 - b_1 - B_2 - B_3$

CHAIN = *CATENA*

PITCH = *PASSO*

INNER WIDTH = *LARGHEZZA INTERNA*

ROLLER DIAM = *RULLO*

Chiaravalli Group SpA offers a comprehensive range of plate wheels and sprockets for chains, providing an optimal solution for flexible mechanical transmission across various industries. Our products are designed and manufactured to deliver superior technical performance and quality.

Our range includes sprockets and chain wheels produced according to the latest international standards, including UNI, ISO, DIN, and ANSI. These standards define the chain and roller wheel space profile, as well as the acceptable minimum and maximum dimensions. However, since standard tolerance limits can be quite broad, manufacturers have the opportunity to optimize profile dimensions to enhance tooth durability and support higher stresses.

Through advanced manufacturing processes and specialized tools, we have developed a series of refined standard profiles that ensure higher precision. Our exclusive optimized profile design, protected by Chiaravalli Group's proprietary know-how, enhances chain engagement on the sprocket and plate wheel. This minimizes motion discontinuity, even in cases of unfavorable interaxes or transmission ratios. As a result, we have been able to include sprockets with a very low number of teeth in our catalog.

Despite being a fundamental transmission component, high machining accuracy is essential for gear wheel-chain systems. We achieve this precision using CNC machines

and advanced technologies that minimize shearing stress and improve surface finish quality. Our standard sprockets and wheels, as listed in our catalog, are also available in the "Taperlock" taper bush version, ideal for applications requiring easy assembly and precise centering tolerances.

In addition to standard products, Chiaravalli Group SpA offers a wide selection of single, multiple, and special roller chains for various industrial applications. We also specialize in manufacturing customized sprockets and plate wheels tailored to specific needs. These custom components can be produced from any material, following customer drawings, and can undergo heat treatments such as induction hardening or carburizing for enhanced durability.

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## 5x2,5 mm (03-B)

### PLATEWHEEL

$r_3$  5,0 mm  
C 0,6 mm  
B<sub>1</sub> 2,3 mm

### MATERIAL

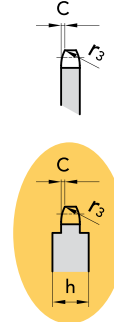
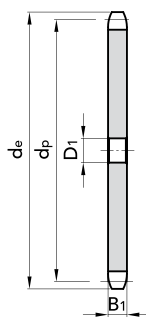
MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

Pitch 5,0 mm  
Inner width 2,5 mm  
Roller Ø 3,2 mm

From **Z 52** the width of the disk wheel increased to **h = 4mm**



Simple - Semplici 03-B-1

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|-----|----------------|----------------|----------------|----------|------|
| 8  | 4              | 15,2           | 13,06          | 20105008 | 0,01 | 40  | 8              | 65,9           | 63,73          | 20105040 | 0,05 |
| 9  | 4              | 16,8           | 14,62          | 20105009 | 0,01 | 42  | 8              | 69,1           | 66,91          | 20105042 | 0,06 |
| 10 | 4              | 18,3           | 16,18          | 20105010 | 0,01 | 44  | 8              | 72,2           | 70,09          | 20105044 | 0,07 |
| 11 | 5              | 19,9           | 17,75          | 20105011 | 0,01 | 45  | 8              | 73,8           | 71,68          | 20105045 | 0,07 |
| 12 | 5              | 21,5           | 19,32          | 20105012 | 0,01 | 46  | 8              | 75,4           | 73,27          | 20105046 | 0,07 |
| 13 | 5              | 23,0           | 20,89          | 20105013 | 0,01 | 48  | 8              | 78,6           | 76,45          | 20105048 | 0,08 |
| 14 | 5              | 24,6           | 22,47          | 20105014 | 0,01 | 50  | 8              | 81,8           | 79,63          | 20105050 | 0,08 |
| 15 | 5              | 26,2           | 24,04          | 20105015 | 0,01 | 52  | 10             | 85,0           | 82,81          | 20105052 | 0,17 |
| 16 | 6              | 27,8           | 25,63          | 20105016 | 0,01 | 55  | 10             | 89,7           | 87,58          | 20105055 | 0,18 |
| 17 | 6              | 29,4           | 27,20          | 20105017 | 0,01 | 56  | 10             | 91,3           | 89,17          | 20105056 | 0,19 |
| 18 | 6              | 30,9           | 28,79          | 20105018 | 0,01 | 57  | 10             | 92,9           | 90,76          | 20105057 | 0,20 |
| 19 | 6              | 32,5           | 30,38          | 20105019 | 0,01 | 58  | 10             | 94,5           | 92,35          | 20105058 | 0,20 |
| 20 | 6              | 34,1           | 31,96          | 20105020 | 0,01 | 59  | 10             | 96,1           | 93,94          | 20105059 | 0,21 |
| 21 | 8              | 35,7           | 33,54          | 20105021 | 0,01 | 60  | 10             | 97,7           | 95,53          | 20105060 | 0,23 |
| 22 | 8              | 37,3           | 35,13          | 20105022 | 0,02 | 62  | 12             | 100,9          | 98,72          | 20105062 | 0,24 |
| 23 | 8              | 38,9           | 36,72          | 20105023 | 0,02 | 64  | 12             | 104,1          | 101,90         | 20105064 | 0,27 |
| 24 | 8              | 40,5           | 38,30          | 20105024 | 0,02 | 65  | 12             | 105,6          | 103,49         | 20105065 | 0,28 |
| 25 | 8              | 42,0           | 39,89          | 20105025 | 0,02 | 66  | 12             | 107,2          | 105,08         | 20105066 | 0,31 |
| 26 | 8              | 43,6           | 41,48          | 20105026 | 0,02 | 70  | 12             | 113,6          | 111,44         | 20105070 | 0,36 |
| 27 | 8              | 45,2           | 43,07          | 20105027 | 0,02 | 75  | 12             | 121,6          | 119,40         | 20105075 | 0,37 |
| 28 | 8              | 46,8           | 44,65          | 20105028 | 0,03 | 76  | 12             | 123,1          | 120,99         | 20105076 | 0,41 |
| 30 | 8              | 50,0           | 47,83          | 20105030 | 0,03 | 80  | 12             | 129,5          | 127,35         | 20105080 | 0,46 |
| 32 | 8              | 53,2           | 51,01          | 20105032 | 0,03 | 85  | 14             | 137,5          | 135,31         | 20105085 | 0,52 |
| 33 | 8              | 54,8           | 52,60          | 20105033 | 0,04 | 90  | 14             | 145,4          | 143,27         | 20105090 | 0,58 |
| 34 | 8              | 56,3           | 54,19          | 20105034 | 0,04 | 95  | 14             | 153,4          | 151,22         | 20105095 | 0,65 |
| 35 | 8              | 57,9           | 55,78          | 20105035 | 0,04 | 100 | 14             | 161,3          | 159,18         | 20105100 | 0,79 |
| 36 | 8              | 59,5           | 57,37          | 20105036 | 0,04 | 114 | 14             | 183,6          | 181,46         | 20105114 | 0,85 |
| 37 | 8              | 61,1           | 58,96          | 20105037 | 0,05 | 120 | 14             | 193,2          | 191,01         | 20105120 | 0,95 |
| 38 | 8              | 62,7           | 60,54          | 20105038 | 0,05 | 125 | 14             | 201,1          | 198,96         | 20105125 | 1,03 |



# 6x2,8 mm (04-B)

**PLATEWHEEL**

**r<sub>3</sub>** 6,0 mm  
**C** 0,7 mm  
**B<sub>1</sub>** 2,6 mm

**MATERIAL**

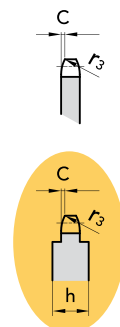
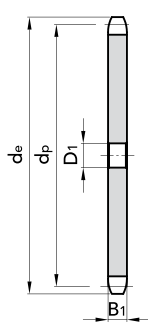
MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

**CHAIN**

Pitch 6,0 mm  
 Inner width 2,8 mm  
 Roller Ø 4,0 mm

From **Z 52** the width of the disk wheel increased to **h = 4mm**


**Simple - Semplici 04-B-1**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|-----|----------------|----------------|----------------|----------|------|
| 8  | 5              | 18,0           | 15,67          | 20106008 | 0,01 | 40  | 8              | 78,9           | 76,47          | 20106040 | 0,09 |
| 9  | 5              | 19,9           | 17,54          | 20106009 | 0,01 | 42  | 10             | 82,7           | 80,28          | 20106042 | 0,10 |
| 10 | 6              | 21,7           | 19,42          | 20106010 | 0,01 | 44  | 10             | 86,6           | 84,10          | 20106044 | 0,11 |
| 11 | 6              | 23,6           | 21,30          | 20106011 | 0,01 | 45  | 10             | 88,5           | 86,01          | 20106045 | 0,11 |
| 12 | 8              | 25,4           | 23,18          | 20106012 | 0,01 | 46  | 10             | 90,4           | 87,92          | 20106046 | 0,12 |
| 13 | 8              | 27,3           | 25,05          | 20106013 | 0,01 | 48  | 10             | 94,2           | 91,74          | 20106048 | 0,13 |
| 14 | 8              | 29,2           | 26,96          | 20106014 | 0,01 | 50  | 10             | 98,0           | 95,55          | 20106050 | 0,14 |
| 15 | 8              | 31,0           | 28,86          | 20106015 | 0,01 | 52  | 12             | 101,8          | 99,37          | 20106052 | 0,25 |
| 16 | 8              | 33,0           | 30,76          | 20106016 | 0,01 | 54  | 12             | 105,6          | 103,17         | 20106054 | 0,26 |
| 17 | 8              | 35,0           | 32,65          | 20106017 | 0,01 | 55  | 12             | 107,6          | 105,08         | 20106055 | 0,27 |
| 18 | 8              | 36,9           | 34,55          | 20106018 | 0,02 | 56  | 12             | 109,5          | 107,01         | 20106056 | 0,28 |
| 19 | 8              | 38,8           | 36,44          | 20106019 | 0,02 | 57  | 12             | 111,4          | 108,92         | 20106057 | 0,29 |
| 20 | 8              | 40,7           | 38,34          | 20106020 | 0,02 | 58  | 12             | 113,3          | 110,83         | 20106058 | 0,30 |
| 21 | 8              | 42,6           | 40,25          | 20106021 | 0,02 | 60  | 12             | 117,1          | 114,64         | 20106060 | 0,33 |
| 22 | 8              | 44,5           | 42,16          | 20106022 | 0,02 | 62  | 14             | 120,9          | 118,46         | 20106062 | 0,35 |
| 23 | 8              | 46,4           | 44,06          | 20106023 | 0,03 | 64  | 14             | 124,7          | 122,28         | 20106064 | 0,37 |
| 24 | 8              | 48,3           | 45,96          | 20106024 | 0,03 | 65  | 14             | 126,6          | 124,19         | 20106065 | 0,38 |
| 25 | 8              | 50,2           | 47,87          | 20106025 | 0,03 | 66  | 14             | 128,5          | 126,10         | 20106066 | 0,40 |
| 26 | 8              | 52,1           | 49,76          | 20106026 | 0,03 | 70  | 14             | 136,2          | 129,74         | 20106070 | 0,45 |
| 27 | 8              | 54,0           | 51,67          | 20106027 | 0,04 | 75  | 16             | 145,7          | 143,28         | 20106075 | 0,48 |
| 28 | 8              | 55,9           | 53,58          | 20106028 | 0,04 | 76  | 16             | 147,6          | 145,19         | 20106076 | 0,53 |
| 30 | 8              | 59,8           | 57,42          | 20106030 | 0,05 | 80  | 16             | 155,3          | 152,83         | 20106080 | 0,59 |
| 32 | 8              | 63,6           | 61,21          | 20106032 | 0,05 | 85  | 16             | 164,8          | 162,38         | 20106085 | 0,67 |
| 33 | 8              | 65,5           | 63,11          | 20106033 | 0,06 | 90  | 16             | 174,4          | 171,92         | 20106090 | 0,77 |
| 34 | 8              | 67,4           | 65,02          | 20106034 | 0,06 | 95  | 16             | 183,9          | 181,47         | 20106095 | 0,85 |
| 35 | 8              | 69,3           | 66,93          | 20106035 | 0,07 | 100 | 16             | 193,5          | 191,02         | 20106100 | 0,94 |
| 36 | 8              | 71,2           | 68,84          | 20106036 | 0,07 | 114 | 16             | 220,2          | 217,75         | 20106114 | 1,23 |
| 37 | 8              | 73,1           | 70,75          | 20106037 | 0,07 | 120 | 16             | 231,7          | 229,21         | 20106120 | 1,37 |
| 38 | 8              | 75,0           | 72,66          | 20106038 | 0,08 | 125 | 16             | 241,2          | 238,75         | 20106125 | 1,48 |



# 1/4"x1/8"

**PLATEWHEEL**

**r<sub>a</sub>** 6,4 mm  
**C** 0,7 mm  
**B<sub>1</sub>** 2,9 mm

**MATERIAL**

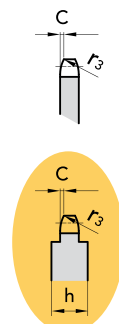
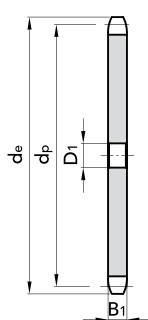
MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

**CHAIN**

Pitch 6,35 mm  
 Inner width 3,18 mm  
 Roller Ø 3,30 mm

From **Z 52** the width of the disk wheel  
 increased to **h = 4mm**

**Simple - Semplici**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|-----|----------------|----------------|----------------|----------|-------|
| 8  | 6              | 19,4           | 16,58          | 20107008 | 0,005 | 42  | 10             | 87,8           | 84,97          | 20107042 | 0,117 |
| 9  | 6              | 21,4           | 18,56          | 20107009 | 0,005 | 44  | 10             | 91,8           | 89,01          | 20107044 | 0,120 |
| 10 | 6              | 23,3           | 20,55          | 20107010 | 0,006 | 45  | 10             | 93,8           | 91,03          | 20107045 | 0,135 |
| 11 | 8              | 25,3           | 22,54          | 20107011 | 0,008 | 46  | 10             | 95,8           | 93,05          | 20107046 | 0,140 |
| 12 | 8              | 27,3           | 24,53          | 20107012 | 0,010 | 48  | 10             | 99,9           | 97,09          | 20107048 | 0,150 |
| 13 | 8              | 29,3           | 26,53          | 20107013 | 0,013 | 50  | 10             | 103,9          | 101,13         | 20107050 | 0,170 |
| 14 | 8              | 31,3           | 28,53          | 20107014 | 0,013 | 52  | 12             | 108,0          | 105,16         | 20107052 | 0,260 |
| 15 | 8              | 33,3           | 30,53          | 20107015 | 0,013 | 54  | 12             | 112,0          | 109,18         | 20107054 | 0,294 |
| 16 | 8              | 35,3           | 32,55          | 20107016 | 0,016 | 55  | 12             | 114,0          | 111,23         | 20107055 | 0,296 |
| 17 | 8              | 37,3           | 34,55          | 20107017 | 0,017 | 56  | 12             | 116,0          | 113,25         | 20107056 | 0,310 |
| 18 | 8              | 39,4           | 36,56          | 20107018 | 0,021 | 57  | 12             | 118,1          | 115,27         | 20107057 | 0,320 |
| 19 | 8              | 41,4           | 38,58          | 20107019 | 0,023 | 58  | 12             | 120,1          | 117,29         | 20107058 | 0,330 |
| 20 | 8              | 43,4           | 40,58          | 20107020 | 0,026 | 60  | 12             | 124,1          | 121,32         | 20107060 | 0,360 |
| 21 | 8              | 45,4           | 42,60          | 20107021 | 0,028 | 62  | 12             | 128,2          | 125,37         | 20107062 | 0,390 |
| 22 | 8              | 47,4           | 44,62          | 20107022 | 0,030 | 64  | 12             | 132,2          | 129,41         | 20107064 | 0,420 |
| 23 | 8              | 49,4           | 46,63          | 20107023 | 0,038 | 65  | 12             | 134,2          | 131,43         | 20107065 | 0,430 |
| 24 | 8              | 51,4           | 48,64          | 20107024 | 0,038 | 66  | 14             | 136,2          | 133,45         | 20107066 | 0,440 |
| 25 | 8              | 53,5           | 50,66          | 20107025 | 0,040 | 70  | 14             | 144,3          | 141,53         | 20107070 | 0,505 |
| 26 | 8              | 55,5           | 52,67          | 20107026 | 0,040 | 75  | 14             | 154,4          | 151,63         | 20107075 | 0,580 |
| 27 | 8              | 57,5           | 54,69          | 20107027 | 0,045 | 76  | 14             | 156,5          | 153,66         | 20107076 | 0,590 |
| 28 | 8              | 59,5           | 56,71          | 20107028 | 0,056 | 80  | 16             | 164,5          | 161,74         | 20107080 | 0,660 |
| 30 | 8              | 63,6           | 60,75          | 20107030 | 0,060 | 85  | 16             | 174,6          | 171,85         | 20107085 | 0,750 |
| 32 | 10             | 67,6           | 64,78          | 20107032 | 0,060 | 90  | 16             | 184,7          | 181,95         | 20107090 | 0,840 |
| 33 | 10             | 69,6           | 66,80          | 20107033 | 0,070 | 95  | 16             | 194,8          | 192,05         | 20107095 | 0,940 |
| 34 | 10             | 71,6           | 68,82          | 20107034 | 0,070 | 100 | 16             | 204,9          | 202,15         | 20107100 | 1,050 |
| 35 | 10             | 73,6           | 70,84          | 20107035 | 0,080 | 110 | 16             | 225,1          | 222,37         | 20107110 | 1,280 |
| 36 | 10             | 75,6           | 72,85          | 20107036 | 0,085 | 114 | 16             | 233,2          | 230,45         | 20107114 | 1,380 |
| 37 | 10             | 77,7           | 74,87          | 20107037 | 0,090 | 120 | 16             | 245,4          | 242,58         | 20107120 | 1,530 |
| 38 | 10             | 79,7           | 76,89          | 20107038 | 0,095 | 125 | 16             | 255,5          | 252,68         | 20107125 | 1,660 |
| 40 | 10             | 83,7           | 80,93          | 20107040 | 0,110 |     |                |                |                |          |       |



# 8x3mm (05-B)

**PLATEWHEEL**

|       |        |
|-------|--------|
| $r_3$ | 8,0 mm |
| $C$   | 1,0 mm |
| $B_1$ | 2,8 mm |
| $b_1$ | 2,7 mm |
| $B_2$ | 8,3 mm |

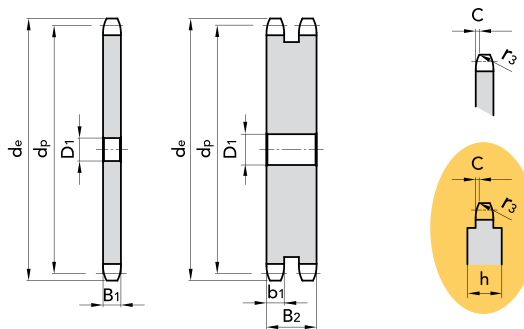
**MATERIAL**

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

**CHAIN**

|             |        |
|-------------|--------|
| Pitch       | 8,0 mm |
| Inner width | 3,0 mm |
| Roller Ø    | 5,0 mm |

 From **Z 46** the width of the disk wheel increased to **h = 4mm**


| Simple - Semplici 05-B-1 |                |                |                |          |      |  | Double - Doppi 05-B-2 |                |                |                |          |       |  |
|--------------------------|----------------|----------------|----------------|----------|------|--|-----------------------|----------------|----------------|----------------|----------|-------|--|
| Z                        | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.  |  | Z                     | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |  |
| 8                        | 6              | 24,0           | 20,90          | 20108008 | 0,01 |  | 8                     | 6              | 24,00          | 20,90          | 20208008 | 0,010 |  |
| 9                        | 6              | 26,6           | 23,39          | 20108009 | 0,01 |  | 9                     | 6              | 26,60          | 23,39          | 20208009 | 0,010 |  |
| 10                       | 8              | 29,2           | 25,89          | 20108010 | 0,02 |  | 10                    | 8              | 29,20          | 25,89          | 20208010 | 0,020 |  |
| 11                       | 8              | 31,7           | 28,39          | 20108011 | 0,01 |  | 11                    | 8              | 31,70          | 28,39          | 20208011 | 0,020 |  |
| 12                       | 8              | 34,2           | 30,91          | 20108012 | 0,02 |  | 12                    | 8              | 34,20          | 30,91          | 20208012 | 0,030 |  |
| 13                       | 8              | 36,7           | 33,42          | 20108013 | 0,02 |  | 13                    | 8              | 36,70          | 33,42          | 20208013 | 0,045 |  |
| 14                       | 8              | 39,2           | 35,95          | 20108014 | 0,02 |  | 14                    | 8              | 39,20          | 35,95          | 20208014 | 0,050 |  |
| 15                       | 8              | 41,7           | 38,48          | 20108015 | 0,02 |  | 15                    | 8              | 41,70          | 38,48          | 20208015 | 0,060 |  |
| 16                       | 8              | 44,3           | 41,01          | 20108016 | 0,03 |  | 16                    | 10             | 44,30          | 41,01          | 20208016 | 0,070 |  |
| 17                       | 8              | 46,8           | 43,53          | 20108017 | 0,03 |  | 17                    | 10             | 46,80          | 43,53          | 20208017 | 0,080 |  |
| 18                       | 8              | 49,3           | 46,07          | 20108018 | 0,04 |  | 18                    | 10             | 49,30          | 46,07          | 20208018 | 0,090 |  |
| 19                       | 8              | 51,9           | 48,61          | 20108019 | 0,04 |  | 19                    | 10             | 51,90          | 48,61          | 20208019 | 0,100 |  |
| 20                       | 8              | 54,4           | 51,14          | 20108020 | 0,05 |  | 20                    | 10             | 54,40          | 51,14          | 20208020 | 0,110 |  |
| 21                       | 8              | 57,0           | 53,68          | 20108021 | 0,05 |  | 21                    | 10             | 57,00          | 53,68          | 20208021 | 0,120 |  |
| 22                       | 8              | 59,5           | 56,21          | 20108022 | 0,06 |  | 22                    | 10             | 59,50          | 56,21          | 20208022 | 0,140 |  |
| 23                       | 8              | 62,0           | 58,75          | 20108023 | 0,06 |  | 23                    | 10             | 62,00          | 58,75          | 20208023 | 0,150 |  |
| 24                       | 8              | 64,6           | 61,29          | 20108024 | 0,07 |  | 24                    | 10             | 64,60          | 61,29          | 20208024 | 0,170 |  |
| 25                       | 8              | 67,5           | 63,83          | 20108025 | 0,07 |  | 25                    | 10             | 67,50          | 63,83          | 20208025 | 0,180 |  |
| 26                       | 10             | 69,5           | 66,37          | 20108026 | 0,08 |  | 26                    | 12             | 69,50          | 66,37          | 20208026 | 0,200 |  |
| 27                       | 10             | 72,2           | 68,91          | 20108027 | 0,08 |  | 27                    | 12             | 72,20          | 68,91          | 20208027 | 0,210 |  |
| 28                       | 10             | 74,8           | 71,45          | 20108028 | 0,09 |  | 28                    | 12             | 74,80          | 71,45          | 20208028 | 0,230 |  |
| 29                       | 10             | 77,3           | 73,99          | 20108029 | 0,09 |  | 29                    | 12             | 77,30          | 73,99          | 20208029 | 0,250 |  |
| 30                       | 10             | 79,8           | 76,53          | 20108030 | 0,10 |  | 30                    | 12             | 79,80          | 76,53          | 20208030 | 0,270 |  |
| 31                       | 10             | 82,4           | 79,08          | 20108031 | 0,11 |  | 31                    | 12             | 82,40          | 79,08          | 20208031 | 0,310 |  |
| 32                       | 10             | 84,9           | 81,61          | 20108032 | 0,13 |  | 32                    | 12             | 84,90          | 81,61          | 20208032 | 0,330 |  |
| 33                       | 10             | 87,5           | 84,16          | 20108033 | 0,13 |  | 33                    | 12             | 87,50          | 84,16          | 20208033 | 0,350 |  |
| 34                       | 10             | 90,0           | 86,70          | 20108034 | 0,14 |  | 34                    | 12             | 90,00          | 86,70          | 20208034 | 0,350 |  |
| 35                       | 10             | 92,5           | 89,25          | 20108035 | 0,15 |  | 35                    | 12             | 92,50          | 89,25          | 20208035 | 0,370 |  |
| 36                       | 10             | 95,0           | 91,79          | 20108036 | 0,15 |  | 36                    | 12             | 95,00          | 91,79          | 20208036 | 0,370 |  |
| 37                       | 10             | 97,6           | 94,33          | 20108037 | 0,15 |  | 37                    |                |                |                |          |       |  |
| 38                       | 10             | 100,2          | 96,88          | 20108038 | 0,16 |  | 38                    | 12             | 100,20         | 96,88          | 20208038 | 0,420 |  |
| 39                       | 10             | 102,7          | 99,42          | 20108039 | 0,17 |  | 39                    | 12             | 102,70         | 99,42          | 20208039 | 0,440 |  |
| 40                       | 10             | 105,3          | 101,97         | 20108040 | 0,20 |  | 40                    | 12             | 105,30         | 101,97         | 20208040 | 0,470 |  |



## 3/8"x7/32" (06-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 10,0 mm |
| $C$   | 1,0 mm  |
| $B_1$ | 5,3 mm  |
| $b_1$ | 5,2 mm  |
| $B_2$ | 15,4 mm |
| $B_3$ | 25,6 mm |

### CHAIN

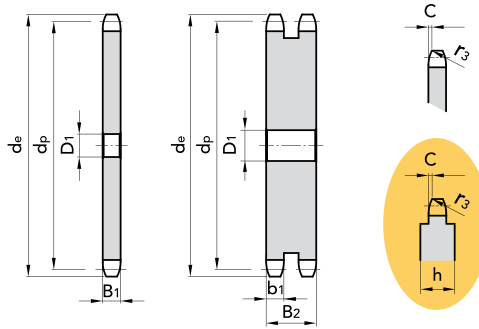
|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 5,72 mm  |
| Roller Ø    | 6,35 mm  |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

From **Z 100** the width of the disk wheel increased to **h = 7mm**



| Simple - Semplici 06-B-1 |                |                |                |          |      |
|--------------------------|----------------|----------------|----------------|----------|------|
| Z                        | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.  |
| 8                        | 6              | 28,54          | 24,89          | 20109008 | 0,01 |
| 9                        | 7              | 31,50          | 27,85          | 20109009 | 0,01 |
| 10                       | 7              | 34,47          | 30,82          | 20109010 | 0,01 |
| 11                       | 8              | 37,46          | 33,81          | 20109011 | 0,02 |
| 12                       | 8              | 40,45          | 36,80          | 20109012 | 0,02 |
| 13                       | 8              | 43,45          | 39,80          | 20109013 | 0,02 |
| 14                       | 8              | 46,45          | 42,80          | 20109014 | 0,02 |
| 15                       | 8              | 49,46          | 45,81          | 20109015 | 0,02 |
| 16                       | 10             | 52,47          | 48,82          | 20109016 | 0,02 |
| 17                       | 10             | 55,49          | 51,84          | 20109017 | 0,3  |
| 18                       | 10             | 58,50          | 54,85          | 20109018 | 0,03 |
| 19                       | 10             | 61,52          | 57,87          | 20109019 | 0,03 |
| 20                       | 10             | 64,54          | 60,89          | 20109020 | 0,04 |
| 21                       | 10             | 67,56          | 63,91          | 20109021 | 0,04 |
| 22                       | 10             | 70,58          | 66,93          | 20109022 | 0,05 |
| 23                       | 10             | 73,60          | 69,95          | 20109023 | 0,06 |
| 24                       | 10             | 76,62          | 72,97          | 20109024 | 0,07 |
| 25                       | 10             | 79,65          | 76,00          | 20109025 | 0,07 |
| 26                       | 10             | 82,67          | 79,02          | 20109026 | 0,08 |
| 27                       | 10             | 85,70          | 82,05          | 20109027 | 0,09 |
| 28                       | 10             | 88,72          | 85,07          | 20109028 | 0,09 |
| 29                       | 10             | 91,75          | 88,10          | 20109029 | 0,09 |
| 30                       | 10             | 94,77          | 91,12          | 20109030 | 0,1  |
| 31                       | 12             | 97,80          | 94,15          | 20109031 | 0,1  |
| 32                       | 12             | 100,83         | 97,18          | 20109032 | 0,1  |
| 33                       | 12             | 103,85         | 100,20         | 20109033 | 0,12 |
| 34                       | 12             | 106,88         | 103,23         | 20109034 | 0,12 |
| 35                       | 12             | 109,91         | 106,26         | 20109035 | 0,14 |
| 36                       | 12             | 112,94         | 109,29         | 20109036 | 0,14 |
| 37                       | 12             | 115,97         | 112,32         | 20109037 | 0,14 |
| 38                       | 12             | 118,99         | 115,34         | 20109038 | 0,15 |
| 39                       | 12             | 122,02         | 118,37         | 20109039 | 0,16 |
| 40                       | 12             | 125,05         | 121,40         | 20109040 | 0,17 |
| 41                       | 16             | 128,08         | 124,43         | 20109041 | 0,18 |
| 42                       | 16             | 131,11         | 127,46         | 20109042 | 0,2  |
| 43                       | 16             | 134,14         | 130,49         | 20109043 | 0,3  |

| Double - Doppi 06-B-2 |                |                |                |          |      |
|-----------------------|----------------|----------------|----------------|----------|------|
| Z                     | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.  |
| 8                     | 6              | 28,54          | 24,89          | 20209008 | 0,03 |
| 9                     | 8              | 31,50          | 27,85          | 20209009 | 0,04 |
| 10                    | 8              | 34,47          | 30,82          | 20209010 | 0,05 |
| 11                    | 10             | 37,46          | 33,81          | 20209011 | 0,06 |
| 12                    | 10             | 40,45          | 36,80          | 20209012 | 0,08 |
| 13                    | 10             | 43,45          | 39,80          | 20209013 | 0,10 |
| 14                    | 10             | 46,45          | 42,80          | 20209014 | 0,12 |
| 15                    | 10             | 49,46          | 45,81          | 20209015 | 0,14 |
| 16                    | 12             | 52,47          | 48,82          | 20209016 | 0,16 |
| 17                    | 12             | 55,49          | 51,84          | 20209017 | 0,19 |
| 18                    | 12             | 58,50          | 54,85          | 20209018 | 0,21 |
| 19                    | 12             | 61,30          | 57,87          | 20209019 | 0,24 |
| 20                    | 12             | 64,52          | 60,89          | 20209020 | 0,27 |
| 21                    | 12             | 67,56          | 63,91          | 20209021 | 0,30 |
| 22                    | 12             | 70,58          | 66,93          | 20209022 | 0,34 |
| 23                    | 12             | 73,60          | 69,95          | 20209023 | 0,37 |
| 24                    | 12             | 76,62          | 72,97          | 20209024 | 0,41 |
| 25                    | 12             | 79,65          | 76,00          | 20209025 | 0,45 |
| 26                    | 12             | 82,67          | 79,02          | 20209026 | 0,48 |
| 27                    | 12             | 85,70          | 82,05          | 20209027 | 0,53 |
| 28                    | 12             | 88,72          | 85,07          | 20209028 | 0,57 |
| 29                    | 12             | 91,75          | 88,10          | 20209029 | 0,62 |
| 30                    | 12             | 94,77          | 91,12          | 20209030 | 0,66 |
| 31                    | 14             | 97,80          | 94,15          | 20209031 | 0,71 |
| 32                    | 14             | 100,83         | 97,18          | 20209032 | 0,77 |
| 33                    | 14             | 103,85         | 100,20         | 20209033 | 0,82 |
| 34                    | 14             | 106,88         | 103,23         | 20209034 | 0,87 |
| 35                    | 14             | 109,91         | 106,26         | 20209035 | 0,93 |
| 36                    | 14             | 112,94         | 109,29         | 20209036 | 0,99 |
| 37                    | 14             | 115,97         | 112,32         | 20209037 | 1,05 |
| 38                    | 14             | 118,99         | 115,34         | 20209038 | 1,11 |
| 39                    | 14             | 122,02         | 118,37         | 20209039 | 1,18 |
| 40                    | 14             | 125,05         | 121,40         | 20209040 | 1,24 |
| 41                    | 16             | 128,08         | 124,43         | 20209041 | 1,30 |
| 42                    | 16             | 131,11         | 127,46         | 20209042 | 1,36 |
| 43                    | 16             | 134,14         | 130,49         | 20209043 | 1,44 |





## 3/8"x7/32" (06-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 10,0 mm |
| $C$   | 1,0 mm  |
| $B_1$ | 5,3 mm  |
| $b_1$ | 5,2 mm  |
| $B_2$ | 15,4 mm |
| $B_3$ | 25,6 mm |

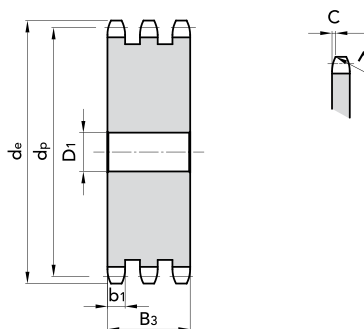
### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 5,72 mm  |
| Roller Ø    | 6,35 mm  |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Triple - Tripli 06-B-3

| Z  | D <sub>1</sub> | d <sub>1</sub> | d <sub>2</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 6              | 28,54          | 24,89          | 20309008 | 0,040 |
| 9  | 8              | 31,50          | 27,85          | 20309009 | 0,060 |
| 10 | 10             | 34,47          | 30,82          | 20309010 | 0,070 |
| 11 | 10             | 37,46          | 33,81          | 20309011 | 0,090 |
| 12 | 10             | 40,45          | 36,80          | 20309012 | 0,122 |
| 13 | 10             | 43,45          | 39,80          | 20309013 | 0,150 |
| 14 | 12             | 46,45          | 42,80          | 20309014 | 0,186 |
| 15 | 12             | 49,46          | 45,81          | 20309015 | 0,260 |
| 16 | 12             | 52,47          | 48,82          | 20309016 | 0,260 |
| 17 | 12             | 55,49          | 51,84          | 20309017 | 0,340 |
| 18 | 12             | 58,50          | 54,85          | 20309018 | 0,345 |
| 19 | 12             | 61,52          | 57,87          | 20309019 | 0,396 |
| 20 | 12             | 64,54          | 60,89          | 20309020 | 0,445 |
| 21 | 14             | 67,56          | 63,91          | 20309021 | 0,480 |
| 22 | 14             | 70,58          | 66,93          | 20309022 | 0,540 |
| 23 | 14             | 73,60          | 69,95          | 20309023 | 0,600 |
| 24 | 14             | 76,62          | 72,97          | 20309024 | 0,660 |
| 25 | 14             | 79,65          | 76,00          | 20309025 | 0,730 |
| 26 | 14             | 82,67          | 79,02          | 20309026 | 0,795 |
| 27 | 14             | 85,70          | 82,05          | 20309027 | 0,865 |
| 28 | 14             | 88,72          | 85,07          | 20309028 | 0,940 |
| 29 | 14             | 91,75          | 88,10          | 20309029 | 1,010 |
| 30 | 14             | 94,77          | 91,12          | 20309030 | 1,090 |
| 31 | 16             | 97,80          | 94,15          | 20309031 | 1,180 |
| 32 | 16             | 100,83         | 97,18          | 20309032 | 1,260 |
| 33 | 16             | 103,85         | 100,20         | 20309033 | 1,350 |
| 34 | 16             | 106,88         | 103,23         | 20309034 | 1,440 |
| 35 | 16             | 109,91         | 106,26         | 20309035 | 1,540 |
| 36 | 16             | 112,94         | 109,29         | 20309036 | 1,620 |
| 37 |                |                |                |          |       |
| 38 | 16             | 118,99         | 115,34         | 20309038 | 1,800 |
| 39 |                |                |                |          |       |
| 40 | 16             | 125,05         | 121,40         | 20309040 | 2,030 |
| 41 | 20             | 128,08         | 124,43         | 20309041 | 2,150 |
| 42 | 16             | 131,11         | 127,46         | 20309042 | 2,260 |
| 43 | 16             | 134,14         | 130,49         | 20309043 | 2,380 |

| Z   | D <sub>1</sub> | d <sub>1</sub> | d <sub>2</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 44  | 16             | 137,17         | 133,52         | 20309044 | 2,500 |
| 45  | 16             | 140,20         | 136,55         | 20309045 | 2,460 |
| 46  | 16             | 143,23         | 139,58         | 20309046 | 2,750 |
| 47  | 16             | 146,26         | 142,61         | 20309047 | 2,880 |
| 48  | 16             | 149,29         | 145,64         | 20309048 | 3,010 |
| 49  |                |                |                |          |       |
| 50  | 16             | 155,34         | 151,69         | 20309050 | 3,300 |
| 51  | 20             | 158,37         | 154,72         | 20309051 | 3,430 |
| 52  | 20             | 161,40         | 157,75         | 20309052 | 3,570 |
| 53  |                |                |                |          |       |
| 54  |                |                |                |          |       |
| 55  |                |                |                |          |       |
| 56  | 20             | 173,53         | 169,88         | 20309056 | 4,140 |
| 57  | 20             | 176,56         | 172,91         | 20309057 | 4,300 |
| 58  | 20             | 179,59         | 175,93         | 20309058 | 4,460 |
| 60  | 20             | 185,65         | 181,99         | 20309060 | 4,800 |
| 62  |                |                |                |          |       |
| 64  | 20             | 197,77         | 194,12         | 20309064 | 5,500 |
| 65  | 20             | 200,60         | 197,15         | 20309065 | 5,670 |
| 66  | 25             | 203,83         | 200,18         | 20309066 | 5,660 |
| 68  |                |                |                |          |       |
| 70  | 25             | 215,95         | 212,30         | 20309070 | 6,630 |
| 72  | 25             | 222,02         | 218,37         | 20309072 | 7,030 |
| 75  |                |                |                |          |       |
| 76  | 25             | 234,49         | 230,49         | 20309076 | 7,870 |
| 78  |                |                |                |          |       |
| 80  | 25             | 246,26         | 242,61         | 20309080 | 8,760 |
| 85  | 25             | 261,42         | 257,77         | 20309085 | 9,930 |
| 90  | 25             | 276,58         | 272,93         | 20309090 | 11,17 |
| 95  | 25             | 291,73         | 288,08         | 20309095 | 12,49 |
| 100 | 25             | 306,89         | 303,25         | 20309100 | 13,89 |
| 110 | 25             | 337,20         | 333,55         | 20309110 | 16,89 |
| 114 | 25             | 349,33         | 345,68         | 20309114 | 18,17 |
| 120 | 25             | 367,52         | 363,86         | 20309120 | 20,18 |
| 125 | 25             | 382,68         | 379,02         | 20309125 | 21,94 |



# 1/2" x 1/8" (081)

## PLATEWHEEL

**r<sub>a</sub>** 13,0 mm  
**C** 1,0 mm  
**B<sub>1</sub>** 3,0 mm

## MATERIAL

MATERIAL C45 EN 10083

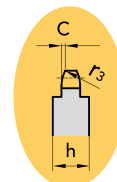
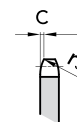
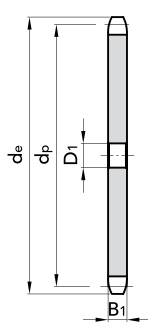
MATERIAL S235 JR EN 10025

## CHAIN

Pitch 12,70 mm  
Inner width 3,30 mm  
Roller Ø 7,75 mm

From **Z 34** the width of the disk wheel increased to **h = 4mm**

From **Z 90** the width of the disk wheel increased to **h = 6mm**



## Simple - Semplici 06-B-1

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 8              | 37,2           | 33,18          | 20110008 | 0,02 |
| 9  | 8              | 41,5           | 37,13          | 20110009 | 0,02 |
| 10 | 8              | 46,2           | 41,10          | 20110010 | 0,02 |
| 11 | 8              | 49,6           | 45,07          | 20110011 | 0,03 |
| 12 | 8              | 53,9           | 49,07          | 20110012 | 0,04 |
| 13 | 8              | 58,4           | 53,06          | 20110013 | 0,04 |
| 14 | 8              | 62,8           | 57,07          | 20110014 | 0,05 |
| 15 | 8              | 66,8           | 61,09          | 20110015 | 0,06 |
| 16 | 10             | 70,9           | 65,10          | 20110016 | 0,07 |
| 17 | 10             | 74,9           | 69,11          | 20110017 | 0,08 |
| 18 | 10             | 78,9           | 73,14          | 20110018 | 0,09 |
| 19 | 10             | 82,9           | 77,16          | 20110019 | 0,10 |
| 20 | 10             | 86,9           | 81,19          | 20110020 | 0,11 |
| 21 | 10             | 91,0           | 85,22          | 20110021 | 0,11 |
| 22 | 10             | 95,0           | 89,24          | 20110022 | 0,13 |
| 23 | 10             | 99,0           | 93,27          | 20110023 | 0,15 |
| 24 | 10             | 103,0          | 97,29          | 20110024 | 0,16 |
| 25 | 10             | 107,1          | 101,33         | 20110025 | 0,17 |
| 26 | 12             | 111,2          | 105,36         | 20110026 | 0,26 |
| 27 | 12             | 115,4          | 109,40         | 20110027 | 0,28 |
| 28 | 12             | 119,4          | 113,42         | 20110028 | 0,32 |
| 29 | 12             | 123,4          | 117,46         | 20110029 | 0,33 |
| 30 | 12             | 127,5          | 121,50         | 20110030 | 0,35 |
| 32 | 12             | 135,5          | 129,56         | 20110032 | 0,40 |
| 33 | 12             | 139,6          | 133,60         | 20110033 | 0,43 |
| 34 | 12             | 143,6          | 137,64         | 20110034 | 0,46 |
| 35 | 12             | 147,6          | 141,68         | 20110035 | 0,49 |
| 36 | 16             | 151,7          | 145,72         | 20110036 | 0,51 |

| Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|-----|----------------|----------------|----------------|----------|------|
| 37  | 16             | 155,7          | 149,76         | 20110037 | 0,55 |
| 38  | 16             | 159,8          | 153,80         | 20110038 | 0,58 |
| 39  | 16             | 163,8          | 157,83         | 20110039 | 0,61 |
| 40  | 16             | 167,8          | 161,87         | 20110040 | 0,64 |
| 42  | 16             | 175,4          | 169,95         | 20110042 | 0,69 |
| 44  | 16             | 183,5          | 178,03         | 20110044 | 0,79 |
| 45  | 16             | 187,5          | 182,07         | 20110045 | 0,82 |
| 46  | 20             | 191,6          | 186,10         | 20110046 | 0,88 |
| 48  | 20             | 199,7          | 194,18         | 20110048 | 0,94 |
| 50  | 20             | 207,8          | 202,26         | 20110050 | 1,06 |
| 52  | 20             | 215,9          | 210,34         | 20110052 | 1,14 |
| 54  | 20             | 224,0          | 218,43         | 20110054 | 1,19 |
| 55  | 20             | 228,0          | 222,46         | 20110055 | 1,25 |
| 56  | 20             | 232,1          | 226,50         | 20110056 | 1,30 |
| 57  | 20             | 236,1          | 230,54         | 20110057 | 1,35 |
| 58  | 20             | 240,2          | 234,58         | 20110058 | 1,45 |
| 60  | 20             | 248,2          | 242,66         | 20110060 | 1,50 |
| 65  | 20             | 268,8          | 262,86         | 20110065 | 1,61 |
| 66  |                |                |                |          |      |
| 68  | 25             | 280,9          | 274,99         | 20110068 | 1,87 |
| 70  | 25             | 289,0          | 283,07         | 20110070 | 2,05 |
| 76  | 25             | 313,3          | 307,33         | 20110076 | 2,19 |
| 80  | 25             | 329,4          | 323,48         | 20110080 | 2,42 |
| 90  | 25             | 369,9          | 363,90         | 20110090 | 4,53 |
| 95  | 25             | 390,1          | 384,10         | 20110095 | 5,00 |
| 100 | 25             | 410,3          | 404,31         | 20110100 | 5,61 |
| 114 | 25             | 466,9          | 460,90         | 20110114 | 7,42 |
| 120 | 25             | 491,2          | 486,16         | 20110120 | 8,00 |





## 1/2"x3/16" (083/084)

### PLATEWHEEL

$r_3$  13,0 mm  
C 1,3 mm  
B<sub>i</sub> 4,5 mm

### MATERIAL

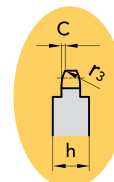
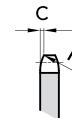
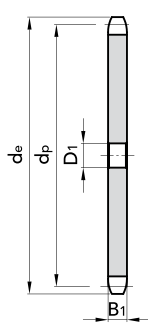
MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

Pitch 12,7 mm  
Inner width 4,88 mm  
Roller Ø 7,75 mm

From **Z 90** the width of the disk wheel increased to **h = 6mm**



### Simple - Semplici 083/084

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|-----|----------------|----------------|----------------|----------|------|
| 8  | 8              | 38,5           | 33,18          | 20111008 | 0,02 | 43  | 16             | 179,5          | 173,99         | 20111043 | 0,80 |
| 9  | 8              | 41,5           | 37,13          | 20111009 | 0,03 | 44  | 16             | 183,5          | 178,03         | 20111044 | 0,83 |
| 10 | 8              | 46,2           | 41,10          | 20111010 | 0,04 | 45  | 16             | 187,5          | 182,07         | 20111045 | 0,87 |
| 11 | 8              | 49,6           | 45,07          | 20111011 | 0,05 | 46  | 20             | 191,6          | 186,10         | 20111046 | 0,91 |
| 12 | 8              | 53,9           | 49,07          | 20111012 | 0,05 | 47  | 20             | 195,6          | 190,14         | 20111047 | 0,95 |
| 13 | 8              | 58,4           | 53,06          | 20111013 | 0,06 | 48  | 20             | 199,7          | 194,18         | 20111048 | 0,99 |
| 14 | 8              | 62,8           | 57,07          | 20111014 | 0,08 | 49  | 20             | 203,7          | 198,22         | 20111049 | 1,04 |
| 15 | 8              | 66,8           | 61,09          | 20111015 | 0,09 | 50  | 20             | 207,8          | 202,26         | 20111050 | 1,08 |
| 16 | 10             | 70,9           | 65,10          | 20111016 | 0,10 | 51  | 20             | 211,8          | 206,30         | 20111051 | 1,12 |
| 17 | 10             | 74,9           | 69,11          | 20111017 | 0,12 | 52  | 20             | 215,9          | 210,34         | 20111052 | 1,17 |
| 18 | 10             | 78,9           | 73,14          | 20111018 | 0,13 | 53  | 20             | 219,9          | 214,37         | 20111053 | 1,22 |
| 19 | 10             | 82,9           | 77,16          | 20111019 | 0,15 | 54  | 20             | 224,0          | 218,43         | 20111054 | 1,26 |
| 20 | 10             | 86,9           | 81,19          | 20111020 | 0,16 | 55  | 20             | 228,0          | 222,46         | 20111055 | 1,31 |
| 21 | 10             | 91,0           | 85,22          | 20111021 | 0,18 | 56  | 20             | 232,1          | 226,50         | 20111056 | 1,36 |
| 22 | 10             | 95,0           | 89,24          | 20111022 | 0,20 | 57  | 20             | 236,1          | 230,54         | 20111057 | 1,41 |
| 23 | 10             | 99,0           | 93,27          | 20111023 | 0,22 | 58  | 20             | 240,2          | 234,58         | 20111058 | 1,46 |
| 24 | 10             | 103,0          | 97,29          | 20111024 | 0,24 | 60  | 20             | 248,2          | 242,66         | 20111060 | 1,57 |
| 25 | 10             | 107,1          | 101,33         | 20111025 | 0,26 | 62  | 20             | 256,7          | 250,75         | 20111062 | 1,68 |
| 26 | 12             | 111,2          | 105,36         | 20111026 | 0,28 | 64  | 20             | 264,8          | 258,82         | 20111064 | 1,80 |
| 27 | 12             | 115,4          | 109,40         | 20111027 | 0,30 | 65  | 20             | 268,8          | 262,86         | 20111065 | 1,85 |
| 28 | 12             | 119,4          | 113,42         | 20111028 | 0,33 | 66  |                |                |                |          |      |
| 29 | 12             | 123,4          | 117,46         | 20111029 | 0,35 | 68  | 25             | 280,9          | 274,99         | 20111068 | 2,02 |
| 30 | 12             | 127,5          | 121,50         | 20111030 | 0,38 | 70  | 25             | 289,0          | 283,07         | 20111070 | 2,14 |
| 31 | 12             | 131,5          | 125,54         | 20111031 | 0,40 | 72  | 25             | 297,1          | 291,16         | 20111072 | 2,27 |
| 32 | 12             | 135,5          | 129,56         | 20111032 | 0,43 | 76  | 25             | 313,3          | 307,33         | 20111076 | 2,54 |
| 33 | 12             | 139,6          | 133,60         | 20111033 | 0,46 | 78  |                |                |                |          |      |
| 34 | 12             | 143,6          | 137,64         | 20111034 | 0,49 | 80  |                |                |                |          |      |
| 35 | 12             | 147,6          | 141,68         | 20111035 | 0,52 | 85  | 25             | 349,7          | 343,70         | 20111085 | 3,19 |
| 36 | 16             | 151,7          | 145,72         | 20111036 | 0,55 | 90  | 25             | 369,9          | 363,90         | 20111090 | 3,86 |
| 37 | 16             | 155,7          | 149,76         | 20111037 | 0,58 | 95  | 25             | 390,1          | 384,10         | 20111095 | 4,95 |
| 38 | 16             | 159,8          | 153,80         | 20111038 | 0,62 | 100 | 25             | 410,3          | 404,31         | 20111100 | 5,83 |
| 39 | 16             | 163,8          | 157,83         | 20111039 | 0,65 | 110 | 25             | 450,7          | 444,74         | 20111110 | 7,07 |
| 40 | 16             | 167,8          | 161,87         | 20111040 | 0,68 | 114 | 25             | 466,9          | 460,90         | 20111114 | 7,61 |
| 41 | 16             | 171,4          | 165,91         | 20111041 | 0,72 | 120 | 25             | 491,2          | 485,16         | 20111120 | 8,50 |
| 42 | 16             | 175,4          | 169,95         | 20111042 | 0,76 | 125 | 25             | 511,4          | 505,37         | 20111125 | 9,17 |



## 1/2"x1/4" RULLO 7.75 (085)

### PLATEWHEEL

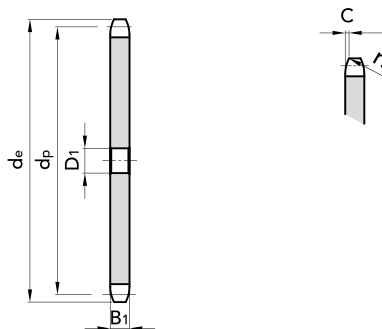
$r_3$  13,0 mm  
 $C$  1,3 mm  
 $B_1$  5,9 mm

### MATERIAL

MATERIAL C45 EN 10083  
MATERIAL S235 JR EN 10025

### CHAIN

Pitch 12,70 mm  
Inner width 6,40 mm  
Roller Ø 7,75 mm



Simple - Semplici 085

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>o</sub> | CODE     | Kg.   | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>o</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|-----|----------------|----------------|----------------|----------|-------|
| 8  | 8              | 38,5           | 33,18          | 20113008 | 0,030 | 39  | 16             | 163,8          | 157,83         | 20113039 | 0,950 |
| 9  | 8              | 41,5           | 37,13          | 20113009 | 0,038 | 40  | 16             | 167,8          | 161,87         | 20113040 | 0,980 |
| 10 | 8              | 46,2           | 41,10          | 20113010 | 0,040 | 41  | 16             | 171,4          | 165,91         | 20113041 | 0,980 |
| 11 | 8              | 49,6           | 45,07          | 20113011 | 0,059 | 42  | 16             | 175,4          | 169,95         | 20113042 | 0,990 |
| 12 | 8              | 53,9           | 49,07          | 20113012 | 0,072 | 43  | 16             | 179,5          | 173,99         | 20113043 | 1,030 |
| 13 | 8              | 58,4           | 53,06          | 20113013 | 0,100 | 44  | 16             | 183,5          | 178,03         | 20113044 | 1,090 |
| 14 | 8              | 62,8           | 57,07          | 20113014 | 0,100 | 45  | 16             | 187,5          | 182,07         | 20113045 | 1,150 |
| 15 | 8              | 66,8           | 61,09          | 20113015 | 0,115 | 46  | 20             | 191,6          | 186,10         | 20113046 | 1,170 |
| 16 | 10             | 70,9           | 65,10          | 20113016 | 0,120 | 47  | 20             | 195,6          | 190,14         | 20113047 | 1,270 |
| 17 | 10             | 74,9           | 69,11          | 20113017 | 0,150 | 48  | 20             | 199,7          | 194,18         | 20113048 | 1,380 |
| 18 | 10             | 78,9           | 73,14          | 20113018 | 0,190 | 49  | 20             | 203,7          | 198,22         | 20113049 | 1,390 |
| 19 | 10             | 82,9           | 77,16          | 20113019 | 0,210 | 50  | 20             | 207,8          | 202,26         | 20113050 | 1,440 |
| 20 | 10             | 86,9           | 81,19          | 20113020 | 0,220 | 52  | 20             | 215,9          | 210,34         | 20113052 | 1,620 |
| 21 | 10             | 91,0           | 85,22          | 20113021 | 0,240 | 54  | 20             | 224,0          | 218,43         | 20113054 | 1,710 |
| 22 | 10             | 95,0           | 89,24          | 20113022 | 0,240 | 56  | 20             | 232,1          | 226,50         | 20113056 | 1,750 |
| 23 | 10             | 99,0           | 93,27          | 20113023 | 0,250 | 57  | 20             | 236,1          | 230,54         | 20113057 | 1,850 |
| 24 | 10             | 103,0          | 97,29          | 20113024 | 0,310 | 58  |                |                |                |          |       |
| 25 | 10             | 107,1          | 101,33         | 20113025 | 0,310 | 60  | 20             | 248,2          | 242,66         | 20113060 | 2,120 |
| 26 | 12             | 111,2          | 105,36         | 20113026 | 0,390 | 62  | 20             | 256,7          | 250,75         | 20113062 | 2,310 |
| 27 | 12             | 115,4          | 109,40         | 20113027 | 0,430 | 65  | 20             | 268,8          | 262,86         | 20113065 | 2,420 |
| 28 | 12             | 119,4          | 113,42         | 20113028 | 0,440 | 70  | 25             | 289,0          | 283,07         | 20113070 | 2,950 |
| 29 |                |                |                |          |       | 76  | 25             | 313,3          | 307,33         | 20113076 | 3,480 |
| 30 | 12             | 127,5          | 121,50         | 20113030 | 0,480 | 80  | 25             | 329,4          | 323,48         | 20113080 | 3,700 |
| 31 | 12             | 131,5          | 125,54         | 20113031 | 0,560 | 85  | 25             | 349,7          | 343,70         | 20113085 | 4,370 |
| 32 | 12             | 135,5          | 129,56         | 20113032 | 0,570 | 95  | 25             | 390,1          | 384,10         | 20113095 | 5,470 |
| 33 | 12             | 139,6          | 133,60         | 20113033 | 0,620 | 100 | 25             | 410,3          | 404,31         | 20113100 | 5,710 |
| 34 | 12             | 143,6          | 137,64         | 20113034 | 0,660 | 110 | 25             | 450,7          | 444,74         | 20113110 | 6,000 |
| 35 | 12             | 147,6          | 141,68         | 20113035 | 0,680 | 114 | 25             | 466,9          | 460,90         | 20113114 | 6,540 |
| 36 | 16             | 151,7          | 145,72         | 20113036 | 0,810 | 120 |                |                |                |          |       |
| 37 | 16             | 155,7          | 149,76         | 20113037 | 0,910 | 125 |                |                |                |          |       |
| 38 | 16             | 159,8          | 153,80         | 20113038 | 0,950 |     |                |                |                |          |       |



## 1/2"x1/4" RULLO 8.51 (085)

### PLATEWHEEL

**r<sub>3</sub>** 13,0 mm  
**C** 1,3 mm  
**B<sub>1</sub>** 5,9 mm

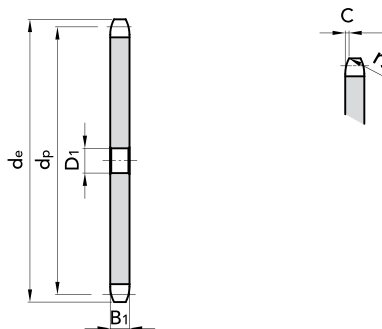
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

Pitch 12,7 mm  
Inner width 6,40 mm  
Roller Ø 8,51 mm



Simple - Semplici 085

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>o</sub> | CODE     | Kg.   | Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>o</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|-----|----------------|----------------|----------------|----------|-------|
| 8  | 8              | 37,2           | 33,18          | 20114008 | 0,020 | 39  | 16             | 162,7          | 157,83         | 20114039 | 0,880 |
| 9  | 8              | 41,0           | 37,13          | 20114009 | 0,030 | 40  | 16             | 166,8          | 161,87         | 20114040 | 0,900 |
| 10 |                |                |                |          |       | 41  | 16             | 171,4          | 165,91         | 20114041 | 0,920 |
| 11 | 8              | 48,7           | 45,07          | 20114011 | 0,060 | 42  | 16             | 175,4          | 169,95         | 20114042 | 1,030 |
| 12 | 8              | 53,0           | 49,07          | 20114012 | 0,080 | 43  | 16             | 179,7          | 173,99         | 20114043 | 1,080 |
| 13 | 8              | 57,4           | 53,06          | 20114013 | 0,090 | 44  |                |                |                |          |       |
| 14 | 8              | 61,8           | 57,07          | 20114014 | 0,100 | 45  | 16             | 188,0          | 182,07         | 20114045 | 1,150 |
| 15 |                |                |                |          |       | 46  |                |                |                |          |       |
| 16 | 10             | 69,5           | 65,10          | 20114016 | 0,140 | 47  | 20             | 196,2          | 190,14         | 20114047 | 1,300 |
| 17 | 10             | 73,6           | 69,11          | 20114017 | 0,148 | 48  |                |                |                |          |       |
| 18 | 10             | 77,8           | 73,14          | 20114018 | 0,157 | 49  |                |                |                |          |       |
| 19 | 10             | 81,7           | 77,16          | 20114019 | 0,195 | 50  | 20             | 208,3          | 202,26         | 20114050 | 1,410 |
| 20 | 10             | 85,8           | 81,19          | 20114020 | 0,200 | 52  |                |                |                |          |       |
| 21 |                |                |                |          |       | 54  | 20             | 224,1          | 218,43         | 20114054 | 1,720 |
| 22 |                |                |                |          |       | 56  |                |                |                |          |       |
| 23 | 10             | 98,2           | 93,27          | 20114023 | 0,290 | 57  | 20             | 236,4          | 230,54         | 20114057 | 1,930 |
| 24 | 10             | 101,8          | 97,29          | 20114024 | 0,310 | 58  |                |                |                |          |       |
| 25 | 10             | 105,8          | 101,33         | 20114025 | 0,330 | 60  |                |                |                |          |       |
| 26 | 12             | 110,0          | 105,36         | 20114026 | 0,360 | 62  | 20             | 256,9          | 250,75         | 20114062 | 2,170 |
| 27 | 12             | 114,0          | 109,40         | 20114027 | 0,390 | 65  | 20             | 269,0          | 262,86         | 20114065 | 2,370 |
| 28 | 12             | 118,0          | 113,42         | 20114028 | 0,420 | 70  |                |                |                |          |       |
| 29 | 12             | 122,0          | 117,46         | 20114029 | 0,480 | 76  | 25             | 313,3          | 307,33         | 20114076 | 3,310 |
| 30 | 12             | 126,1          | 121,50         | 20114030 | 0,490 | 80  | 25             | 329,4          | 323,48         | 20114080 | 3,830 |
| 31 | 12             | 130,2          | 125,54         | 20114031 | 0,550 | 85  |                |                |                |          |       |
| 32 | 12             | 134,2          | 129,56         | 20114032 | 0,560 | 95  |                |                |                |          |       |
| 33 |                |                |                |          |       | 100 |                |                |                |          |       |
| 34 |                |                |                |          |       | 110 | 25             | 450,7          | 444,74         | 20114110 | 9,50  |
| 35 | 12             | 146,7          | 141,68         | 20114035 | 0,700 | 114 |                |                |                |          |       |
| 36 |                |                |                |          |       | 120 |                |                |                |          |       |
| 37 | 16             | 154,6          | 149,76         | 20114037 | 0,790 | 125 |                |                |                |          |       |
| 38 | 16             | 158,6          | 153,80         | 20114038 | 0,800 |     |                |                |                |          |       |



# 1/2"x5/16" (08-B)

## PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 13,0 mm |
| $C$   | 1,3 mm  |
| $B_1$ | 7,2 mm  |
| $b_1$ | 7,0 mm  |
| $B_2$ | 21,0 mm |
| $B_3$ | 34,9 mm |

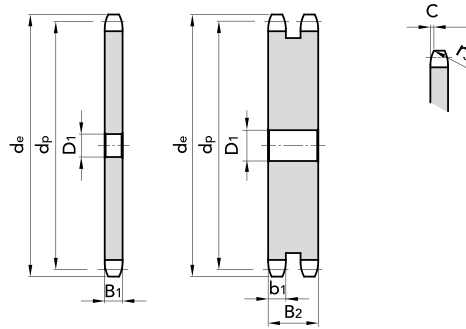
## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 12,70 mm |
| Inner width | 7,75 mm  |
| Roller Ø    | 8,51 mm  |

## MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Simple - Semplici 08-B-1

| Z  | D <sub>i</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 8              | 37,68          | 33,19          | 20112008 | 0,03 |
| 9  | 8              | 41,62          | 37,13          | 20112009 | 0,04 |
| 10 | 8              | 45,59          | 41,10          | 20112010 | 0,06 |
| 11 | 10             | 49,57          | 45,08          | 20112011 | 0,07 |
| 12 | 10             | 53,56          | 49,07          | 20112012 | 0,08 |
| 13 | 10             | 57,56          | 53,07          | 20112013 | 0,10 |
| 14 | 10             | 61,56          | 57,07          | 20112014 | 0,12 |
| 15 | 10             | 65,57          | 61,08          | 20112015 | 0,14 |
| 16 | 10             | 69,59          | 65,10          | 20112016 | 0,16 |
| 17 | 10             | 73,61          | 69,12          | 20112017 | 0,18 |
| 18 | 10             | 77,63          | 73,14          | 20112018 | 0,20 |
| 19 | 10             | 81,65          | 77,16          | 20112019 | 0,23 |
| 20 | 10             | 85,67          | 81,18          | 20112020 | 0,26 |
| 21 | 12             | 89,70          | 85,21          | 20112021 | 0,28 |
| 22 | 12             | 93,73          | 89,24          | 20112022 | 0,31 |
| 23 | 12             | 97,76          | 93,27          | 20112023 | 0,34 |
| 24 | 12             | 101,79         | 97,30          | 20112024 | 0,38 |
| 25 | 12             | 105,80         | 101,33         | 20112025 | 0,41 |
| 26 | 16             | 109,85         | 105,36         | 20112026 | 0,44 |
| 27 | 16             | 113,89         | 109,40         | 20112027 | 0,48 |
| 28 | 16             | 117,92         | 113,42         | 20112028 | 0,52 |
| 29 | 16             | 121,95         | 117,46         | 20112029 | 0,56 |
| 30 | 16             | 125,99         | 121,50         | 20112030 | 0,60 |
| 31 | 16             | 130,02         | 125,53         | 20112031 | 0,64 |
| 32 | 16             | 134,06         | 129,57         | 20112032 | 0,68 |
| 33 | 16             | 138,10         | 133,61         | 20112033 | 0,73 |
| 34 | 16             | 142,13         | 137,64         | 20112034 | 0,78 |
| 35 | 16             | 146,17         | 141,68         | 20112035 | 0,83 |
| 36 | 16             | 150,21         | 145,72         | 20112036 | 0,88 |
| 37 | 16             | 154,24         | 149,75         | 20112037 | 0,93 |
| 38 | 16             | 158,28         | 153,79         | 20112038 | 0,98 |
| 39 | 16             | 162,32         | 157,83         | 20112039 | 1,03 |
| 40 | 16             | 166,36         | 161,87         | 20112040 | 1,09 |
| 41 | 20             | 170,40         | 165,91         | 20112041 | 1,14 |
| 42 | 20             | 174,43         | 169,94         | 20112042 | 1,20 |
| 43 | 20             | 178,47         | 173,98         | 20112043 | 1,26 |

Double - Doppi 08-B-2

| Z  | D <sub>i</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 10             | 37,68          | 33,19          | 20212008 | 0,07 |
| 9  | 10             | 41,62          | 37,13          | 20212009 | 0,10 |
| 10 | 10             | 45,59          | 41,10          | 20212010 | 0,13 |
| 11 | 12             | 49,57          | 45,08          | 20212011 | 0,17 |
| 12 | 12             | 53,56          | 49,07          | 20212012 | 0,21 |
| 13 | 12             | 57,56          | 53,07          | 20212013 | 0,25 |
| 14 | 12             | 61,56          | 57,07          | 20212014 | 0,30 |
| 15 | 12             | 65,57          | 61,08          | 20212015 | 0,36 |
| 16 | 14             | 69,59          | 65,10          | 20212016 | 0,41 |
| 17 | 14             | 73,61          | 69,12          | 20212017 | 0,47 |
| 18 | 14             | 77,63          | 73,14          | 20212018 | 0,54 |
| 19 | 14             | 81,65          | 77,16          | 20212019 | 0,61 |
| 20 | 14             | 85,67          | 81,18          | 20212020 | 0,68 |
| 21 | 16             | 89,70          | 85,21          | 20212021 | 0,75 |
| 22 | 16             | 93,73          | 89,24          | 20212022 | 0,83 |
| 23 | 16             | 97,76          | 93,27          | 20212023 | 0,92 |
| 24 | 16             | 101,79         | 97,30          | 20212024 | 1,01 |
| 25 | 16             | 105,80         | 101,33         | 20212025 | 1,10 |
| 26 | 16             | 109,85         | 105,36         | 20212026 | 1,20 |
| 27 | 16             | 113,89         | 109,40         | 20212027 | 1,31 |
| 28 | 16             | 117,92         | 113,42         | 20212028 | 1,42 |
| 29 | 16             | 121,95         | 117,46         | 20212029 | 1,53 |
| 30 | 16             | 125,99         | 121,50         | 20212030 | 1,65 |
| 31 | 16             | 130,02         | 125,53         | 20212031 | 1,77 |
| 32 | 16             | 134,06         | 129,57         | 20212032 | 1,90 |
| 33 | 16             | 138,10         | 133,61         | 20212033 | 2,02 |
| 34 | 16             | 142,13         | 137,64         | 20212034 | 2,16 |
| 35 | 16             | 146,17         | 141,68         | 20212035 | 2,30 |
| 36 | 20             | 150,21         | 145,72         | 20212036 | 2,42 |
| 37 | 20             | 154,24         | 149,75         | 20212037 | 2,56 |
| 38 | 20             | 158,28         | 153,79         | 20212038 | 2,71 |
| 39 | 20             | 162,32         | 157,83         | 20212039 | 2,87 |
| 40 | 20             | 166,36         | 161,87         | 20212040 | 3,03 |
| 41 | 20             | 170,40         | 165,91         | 20212041 | 3,20 |
| 42 | 20             | 174,43         | 169,94         | 20212042 | 3,36 |
| 43 | 20             | 178,47         | 173,98         | 20212043 | 3,53 |



## 1/2"x5/16" (08-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 13,0 mm |
| $C$   | 1,3 mm  |
| $B_1$ | 7,2 mm  |
| $b_1$ | 7,0 mm  |
| $B_2$ | 21,0 mm |
| $B_3$ | 34,9 mm |

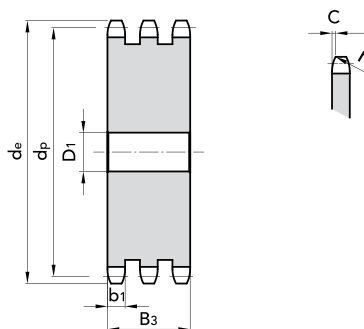
### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 12,70 mm |
| Inner width | 7,75 mm  |
| Roller Ø    | 8,51 mm  |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Triple - Tripli 08-B-3

| Z  | D <sub>1</sub> | d <sub>6</sub> | d <sub>5</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 10             | 37,68          | 33,19          | 20312008 | 0,11 |
| 9  | 12             | 41,62          | 37,13          | 20312009 | 0,16 |
| 10 | 12             | 45,59          | 41,10          | 20312010 | 0,21 |
| 11 | 14             | 49,57          | 45,08          | 20312011 | 0,26 |
| 12 | 14             | 53,56          | 49,07          | 20312012 | 0,33 |
| 13 | 14             | 57,56          | 53,07          | 20312013 | 0,40 |
| 14 | 14             | 61,56          | 57,07          | 20312014 | 0,48 |
| 15 | 14             | 65,57          | 61,08          | 20312015 | 0,57 |
| 16 | 16             | 69,59          | 65,10          | 20312016 | 0,64 |
| 17 | 16             | 73,61          | 69,12          | 20312017 | 0,74 |
| 18 | 16             | 77,63          | 73,14          | 20312018 | 0,85 |
| 19 | 16             | 81,65          | 77,16          | 20312019 | 0,97 |
| 20 | 16             | 85,67          | 81,18          | 20312020 | 1,09 |
| 21 | 20             | 89,70          | 85,21          | 20312021 | 1,22 |
| 22 | 20             | 93,73          | 89,24          | 20312022 | 1,36 |
| 23 | 20             | 97,76          | 93,27          | 20312023 | 1,50 |
| 24 | 20             | 101,79         | 97,30          | 20312024 | 1,63 |
| 25 | 20             | 105,80         | 101,33         | 20312025 | 1,81 |
| 26 | 20             | 109,85         | 105,36         | 20312026 | 1,98 |
| 27 | 20             | 113,89         | 109,40         | 20312027 | 2,15 |
| 28 | 20             | 117,92         | 113,42         | 20312028 | 2,33 |
| 29 | 20             | 121,95         | 117,46         | 20312029 | 2,52 |
| 30 | 20             | 125,99         | 121,50         | 20312030 | 2,71 |
| 31 | 20             | 130,02         | 125,53         | 20312031 | 2,94 |
| 32 | 20             | 134,06         | 129,57         | 20312032 | 3,09 |
| 33 | 20             | 138,10         | 133,61         | 20312033 | 3,30 |
| 34 | 20             | 142,13         | 137,64         | 20312034 | 3,53 |
| 35 | 20             | 146,17         | 141,68         | 20312035 | 3,76 |
| 36 | 25             | 150,21         | 145,72         | 20312036 | 3,99 |
| 37 |                |                |                |          |      |
| 38 | 25             | 158,28         | 153,79         | 20312038 | 4,49 |
| 39 |                |                |                |          |      |
| 40 | 25             | 166,36         | 161,87         | 20312040 | 5,00 |
| 41 |                |                |                |          |      |
| 42 | 25             | 174,43         | 169,94         | 20312042 | 5,51 |
| 43 | 25             | 178,47         | 173,98         | 20312043 | 5,80 |

| Z   | D <sub>1</sub> | d <sub>6</sub> | d <sub>5</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 44  | 25             | 182,51         | 178,03         | 20312044 | 6,09  |
| 45  | 25             | 186,50         | 182,07         | 20312045 | 6,39  |
| 46  | 25             | 190,59         | 186,10         | 20312046 | 6,70  |
| 47  | 25             | 194,63         | 190,14         | 20312047 | 7,00  |
| 48  | 25             | 198,67         | 194,18         | 20312048 | 7,33  |
| 49  | 25             | 202,71         | 198,22         | 20312049 | 7,84  |
| 50  | 25             | 206,75         | 202,26         | 20312050 | 8,00  |
| 51  |                |                |                |          |       |
| 52  | 25             | 214,83         | 210,34         | 20312052 | 8,68  |
| 53  | 25             | 218,87         | 214,37         | 20312053 | 9,02  |
| 54  | 25             | 222,91         | 218,43         | 20312054 | 9,40  |
| 55  | 25             | 226,95         | 222,46         | 20312055 | 9,77  |
| 56  | 25             | 230,99         | 226,50         | 20312056 | 10,15 |
| 57  | 25             | 235,03         | 230,54         | 20312057 | 10,53 |
| 58  |                |                |                |          |       |
| 60  | 25             | 247,15         | 242,66         | 20312060 | 11,73 |
| 62  | 25             | 255,23         | 250,75         | 20312062 | 13,86 |
| 64  | 25             | 263,32         | 258,82         | 20312064 | 15,22 |
| 65  | 25             | 267,36         | 262,86         | 20312065 | 15,56 |
| 66  |                |                |                |          |       |
| 68  | 25             | 279,48         | 274,99         | 20312068 | 15,72 |
| 70  | 25             | 295,64         | 283,07         | 20312070 | 16,17 |
| 72  | 25             | 295,64         | 291,16         | 20312072 | 17,14 |
| 75  | 25             | 307,77         | 303,27         | 20312075 | 18,65 |
| 76  | 25             | 311,81         | 307,33         | 20312076 | 19,17 |
| 78  |                |                |                |          |       |
| 80  | 25             | 327,98         | 323,48         | 20312080 | 21,82 |
| 85  | 25             | 348,18         | 343,70         | 20312085 | 24,15 |
| 90  | 25             | 368,39         | 363,90         | 20312090 | 27,17 |
| 95  | 25             | 388,60         | 384,11         | 20312095 | 30,36 |
| 100 | 25             | 408,81         | 404,32         | 20312100 | 33,73 |
| 110 |                |                |                |          |       |
| 114 | 25             | 465,40         | 460,90         | 20312114 | 44,10 |
| 120 | 25             | 489,65         | 485,16         | 20312120 | 49,70 |
| 125 | 25             | 509,86         | 505,37         | 20312125 | 55,21 |



## 5/8"x3/8" (10-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 16,0 mm |
| $C$   | 1,6 mm  |
| $B_1$ | 9,1 mm  |
| $b_1$ | 9,0 mm  |
| $B_2$ | 25,5 mm |
| $B_3$ | 42,1 mm |

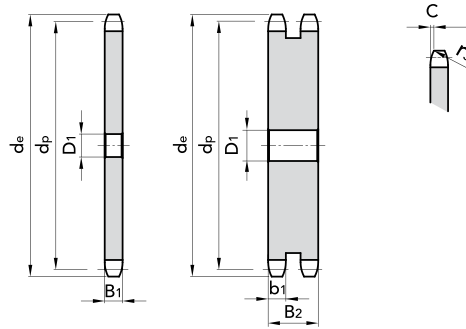
### CHAIN

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,65 mm   |
| Roller Ø    | 10,16 mm  |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Simple - Semplici 10-B-1

| Z  | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 10             | 48,32          | 41,48          | 20115008 | 0,06 |
| 9  | 10             | 53,26          | 46,42          | 20115009 | 0,09 |
| 10 | 10             | 58,21          | 51,37          | 20115010 | 0,11 |
| 11 | 10             | 63,19          | 56,35          | 20115011 | 0,14 |
| 12 | 10             | 68,18          | 61,34          | 20115012 | 0,17 |
| 13 | 10             | 73,17          | 66,33          | 20115013 | 0,20 |
| 14 | 10             | 78,18          | 71,34          | 20115014 | 0,23 |
| 15 | 10             | 83,19          | 76,35          | 20115015 | 0,27 |
| 16 | 12             | 88,21          | 81,37          | 20115016 | 0,31 |
| 17 | 12             | 93,23          | 86,39          | 20115017 | 0,36 |
| 18 | 12             | 98,26          | 91,42          | 20115018 | 0,41 |
| 19 | 12             | 103,29         | 96,45          | 20115019 | 0,46 |
| 20 | 12             | 108,32         | 101,48         | 20115020 | 0,51 |
| 21 | 12             | 113,35         | 106,51         | 20115021 | 0,57 |
| 22 | 12             | 118,39         | 111,55         | 20115022 | 0,62 |
| 23 | 12             | 123,43         | 116,59         | 20115023 | 0,69 |
| 24 | 12             | 128,46         | 121,62         | 20115024 | 0,75 |
| 25 | 12             | 133,50         | 126,66         | 20115025 | 0,82 |
| 26 | 16             | 138,54         | 131,70         | 20115026 | 0,88 |
| 27 | 16             | 143,58         | 136,74         | 20115027 | 0,95 |
| 28 | 16             | 148,63         | 141,79         | 20115028 | 1,03 |
| 29 | 16             | 153,67         | 146,83         | 20115029 | 1,11 |
| 30 | 16             | 158,71         | 151,87         | 20115030 | 1,19 |
| 31 | 16             | 163,76         | 156,92         | 20115031 | 1,28 |
| 32 | 16             | 168,80         | 161,96         | 20115032 | 1,36 |
| 33 | 16             | 174,85         | 167,01         | 20115033 | 1,45 |
| 34 | 16             | 178,89         | 172,05         | 20115034 | 1,55 |
| 35 | 16             | 183,94         | 177,10         | 20115035 | 1,64 |
| 36 | 20             | 188,99         | 182,15         | 20115036 | 1,73 |
| 37 | 20             | 194,03         | 187,19         | 20115037 | 1,83 |
| 38 | 20             | 199,08         | 192,24         | 20115038 | 1,94 |
| 39 | 20             | 204,13         | 197,29         | 20115039 | 2,05 |
| 40 | 20             | 209,17         | 202,33         | 20115040 | 2,16 |
| 41 | 20             | 214,22         | 207,38         | 20115041 | 2,29 |
| 42 | 20             | 219,27         | 212,43         | 20115042 | 2,39 |

Double - Doppi 10-B-2

| Z  | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 12             | 48,32          | 41,48          | 20215008 | 0,15 |
| 9  | 12             | 53,26          | 46,42          | 20215009 | 0,21 |
| 10 | 12             | 58,21          | 51,37          | 20215010 | 0,27 |
| 11 | 14             | 63,19          | 56,35          | 20215011 | 0,34 |
| 12 | 14             | 68,18          | 61,34          | 20215012 | 0,42 |
| 13 | 14             | 73,17          | 66,33          | 20215013 | 0,51 |
| 14 | 14             | 78,18          | 71,34          | 20215014 | 0,60 |
| 15 | 14             | 83,19          | 76,35          | 20215015 | 0,70 |
| 16 | 16             | 88,21          | 81,37          | 20215016 | 0,82 |
| 17 | 16             | 93,23          | 86,39          | 20215017 | 0,94 |
| 18 | 16             | 98,26          | 91,42          | 20215018 | 1,06 |
| 19 | 16             | 103,29         | 96,45          | 20215019 | 1,20 |
| 20 | 16             | 108,32         | 101,48         | 20215020 | 1,34 |
| 21 | 16             | 113,35         | 106,51         | 20215021 | 1,48 |
| 22 | 16             | 118,39         | 111,55         | 20215022 | 1,64 |
| 23 | 16             | 123,43         | 116,59         | 20215023 | 1,80 |
| 24 | 16             | 128,46         | 121,62         | 20215024 | 1,98 |
| 25 | 16             | 133,50         | 126,66         | 20215025 | 2,17 |
| 26 | 16             | 138,54         | 131,70         | 20215026 | 2,33 |
| 27 | 16             | 143,58         | 136,74         | 20215027 | 2,53 |
| 28 | 16             | 148,63         | 141,79         | 20215028 | 2,74 |
| 29 | 16             | 153,67         | 146,83         | 20215029 | 2,96 |
| 30 | 16             | 158,71         | 151,87         | 20215030 | 3,18 |
| 31 | 20             | 163,76         | 156,92         | 20215031 | 3,41 |
| 32 | 20             | 168,80         | 161,96         | 20215032 | 3,66 |
| 33 | 20             | 174,85         | 167,01         | 20215033 | 3,90 |
| 34 | 20             | 179,89         | 172,05         | 20215034 | 4,16 |
| 35 | 20             | 183,94         | 177,10         | 20215035 | 4,42 |
| 36 | 20             | 188,99         | 182,15         | 20215036 | 4,70 |
| 37 | 20             | 194,03         | 187,19         | 20215037 | 4,98 |
| 38 | 20             | 199,08         | 192,24         | 20215038 | 5,26 |
| 39 | 20             | 204,13         | 197,29         | 20215039 | 5,56 |
| 40 | 20             | 209,17         | 202,33         | 20215040 | 5,87 |
| 41 | 20             | 214,22         | 207,38         | 20215041 | 5,10 |
| 42 | 20             | 219,27         | 212,43         | 20215042 | 6,46 |





## 5/8"x3/8" (10-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 16,0 mm |
| $C$   | 1,6 mm  |
| $B_1$ | 9,1 mm  |
| $b_1$ | 9,0 mm  |
| $B_2$ | 25,5 mm |
| $B_3$ | 42,1 mm |

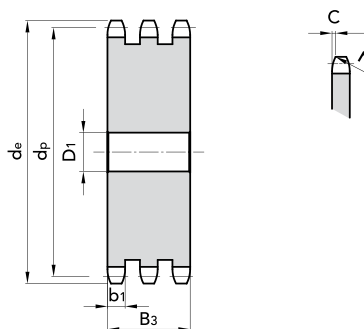
### CHAIN

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,65 mm   |
| Roller Ø    | 10,16 mm  |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Triple - Tripli 10-B-3

| Z  | D <sub>1</sub> | d <sub>1</sub> | d <sub>2</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 12             | 48,32          | 41,48          | 20315008 | 0,23  |
| 9  | 12             | 53,26          | 46,42          | 20315009 | 0,32  |
| 10 | 16             | 58,21          | 51,37          | 20315010 | 0,44  |
| 11 | 16             | 63,19          | 56,35          | 20315011 | 0,55  |
| 12 | 16             | 68,18          | 61,34          | 20315012 | 0,67  |
| 13 | 16             | 73,17          | 66,33          | 20315013 | 0,81  |
| 14 | 16             | 78,18          | 71,34          | 20315014 | 0,97  |
| 15 | 16             | 83,19          | 76,35          | 20315015 | 1,14  |
| 16 | 16             | 88,21          | 81,37          | 20315016 | 1,29  |
| 17 | 16             | 93,23          | 86,39          | 20315017 | 1,49  |
| 18 | 16             | 98,26          | 91,42          | 20315018 | 1,70  |
| 19 | 16             | 103,29         | 96,45          | 20315019 | 1,92  |
| 20 | 16             | 108,32         | 101,48         | 20315020 | 2,15  |
| 21 | 20             | 113,35         | 106,51         | 20315021 | 2,40  |
| 22 | 20             | 118,89         | 111,55         | 20315022 | 2,66  |
| 23 | 20             | 123,43         | 116,59         | 20315023 | 2,94  |
| 24 | 20             | 128,46         | 121,62         | 20315024 | 3,23  |
| 25 | 20             | 133,50         | 126,66         | 20315025 | 3,53  |
| 26 | 20             | 138,54         | 131,70         | 20315026 | 3,81  |
| 27 | 20             | 143,58         | 136,74         | 20315027 | 4,13  |
| 28 | 20             | 148,63         | 141,79         | 20315028 | 4,47  |
| 29 | 20             | 153,67         | 146,83         | 20315029 | 4,83  |
| 30 | 20             | 158,71         | 151,87         | 20315030 | 5,20  |
| 31 | 20             | 163,76         | 156,92         | 20315031 | 5,42  |
| 32 | 20             | 168,80         | 161,96         | 20315032 | 5,97  |
| 33 | 20             | 174,85         | 167,01         | 20315033 | 6,38  |
| 34 | 20             | 179,89         | 172,05         | 20315034 | 6,80  |
| 35 | 20             | 183,94         | 177,10         | 20315035 | 7,23  |
| 36 | 25             | 188,99         | 182,15         | 20315036 | 7,62  |
| 37 | 25             | 194,03         | 187,19         | 20315037 | 8,08  |
| 38 | 25             | 199,08         | 192,24         | 20315038 | 8,55  |
| 39 | 25             | 204,13         | 197,29         | 20315039 | 9,04  |
| 40 | 25             | 209,17         | 202,33         | 20315040 | 9,54  |
| 41 | 25             | 214,22         | 207,38         | 20315041 | 10,05 |
| 42 | 25             | 219,27         | 212,43         | 20315042 | 10,58 |

| Z   | D <sub>1</sub> | d <sub>1</sub> | d <sub>2</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 43  | 25             | 224,32         | 217,49         | 20315043 | 10,98 |
| 44  | 25             | 229,37         | 222,53         | 20315044 | 11,67 |
| 45  | 25             | 234,42         | 227,58         | 20315045 | 12,24 |
| 46  | 25             | 239,47         | 232,63         | 20315046 | 12,82 |
| 47  | 25             | 244,52         | 237,68         | 20315047 | 13,10 |
| 48  | 25             | 249,57         | 242,73         | 20315048 | 14,01 |
| 49  | 25             | 254,62         | 247,78         | 20315049 | 14,86 |
| 50  | 25             | 259,66         | 252,82         | 20315050 | 15,26 |
| 51  |                |                |                |          |       |
| 52  | 25             | 269,76         | 262,92         | 20315052 | 16,57 |
| 53  | 25             | 274,81         | 267,97         | 20315053 | 17,20 |
| 54  |                |                |                |          |       |
| 55  | 25             | 284,92         | 278,08         | 20315055 | 18,62 |
| 56  |                |                |                |          |       |
| 57  | 25             | 295,02         | 288,18         | 20315057 | 20,06 |
| 58  |                |                |                |          |       |
| 60  | 25             | 310,17         | 303,32         | 20315060 | 22,31 |
| 62  |                |                |                |          |       |
| 64  | 30             | 330,37         | 323,53         | 20315064 | 25,43 |
| 65  | 30             | 335,42         | 328,58         | 20315065 | 26,26 |
| 68  | 30             | 350,58         | 343,74         | 20315068 | 28,59 |
| 70  | 30             | 360,68         | 353,84         | 20315070 | 30,61 |
| 72  | 30             | 370,78         | 363,95         | 20315072 | 30,54 |
| 75  | 30             | 385,94         | 379,09         | 20315075 | 30,35 |
| 76  | 30             | 390,99         | 384,16         | 20315076 | 36,27 |
| 78  |                |                |                |          |       |
| 80  | 30             | 411,20         | 404,35         | 20315080 | 40,30 |
| 85  | 30             | 436,46         | 429,62         | 20315085 | 45,60 |
| 90  | 30             | 461,72         | 454,88         | 20315090 | 51,32 |
| 95  | 30             | 486,98         | 480,14         | 20315095 | 57,32 |
| 100 | 30             | 512,24         | 505,39         | 20315100 | 63,60 |
| 110 | 30             | 562,76         | 555,92         | 20315110 | 77,27 |
| 114 | 30             | 582,97         | 576,13         | 20315114 | 83,15 |
| 120 |                |                |                |          |       |
| 125 | 30             | 638,55         | 631,51         | 20315125 | 99,50 |



## 3/4"x7/16" (12-B)

### PLATEWHEEL

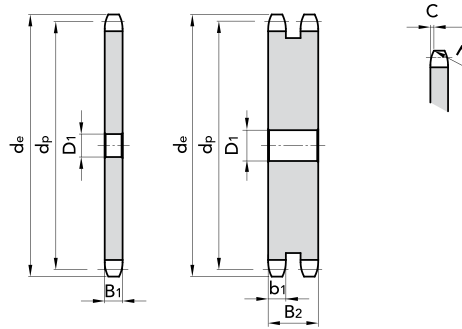
|       |         |
|-------|---------|
| $r_3$ | 19,0 mm |
| $C$   | 2,0 mm  |
| $B_1$ | 11,1 mm |
| $b_1$ | 10,8 mm |
| $B_2$ | 30,3 mm |
| $B_3$ | 49,8 mm |

### MATERIAL

MATERIAL C45 EN 10083  
MATERIAL S235 JR EN 10025

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 11,68 mm |
| Roller Ø    | 12,07 mm |



Simple - Semplici 12-B-1

| Z   | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 8   | 12             | 57,31          | 49,78          | 20119008 | 0,12  |
| 9   | 12             | 63,23          | 55,70          | 20119009 | 0,15  |
| 10  | 12             | 69,18          | 61,65          | 20119010 | 0,20  |
| 11  | 14             | 75,15          | 67,62          | 20119011 | 0,24  |
| 12  | 14             | 81,13          | 73,60          | 20119012 | 0,30  |
| 13  | 14             | 87,13          | 79,60          | 20119013 | 0,35  |
| 14  | 14             | 93,14          | 85,61          | 20119014 | 0,41  |
| 15  | 14             | 99,16          | 91,63          | 20119015 | 0,48  |
| 16  | 14             | 105,18         | 97,65          | 20119016 | 0,55  |
| 17  | 14             | 111,20         | 103,67         | 20119017 | 0,63  |
| 18  | 14             | 117,23         | 109,70         | 20119018 | 0,71  |
| 19  | 14             | 123,27         | 115,74         | 20119019 | 0,80  |
| 20  | 14             | 129,31         | 121,78         | 20119020 | 0,89  |
| 21  | 16             | 135,35         | 127,82         | 20119021 | 0,99  |
| 22  | 16             | 141,39         | 133,86         | 20119022 | 1,03  |
| 23  | 16             | 147,43         | 139,90         | 20119023 | 1,20  |
| 24  | 16             | 153,48         | 145,95         | 20119024 | 1,31  |
| 25  | 16             | 159,52         | 151,99         | 20119025 | 1,43  |
| 26  | 16             | 165,57         | 158,04         | 20119026 | 1,56  |
| 27  | 16             | 171,62         | 164,09         | 20119027 | 1,68  |
| 28  | 16             | 177,67         | 170,14         | 20119028 | 1,82  |
| 29  | 16             | 183,72         | 176,19         | 20119029 | 1,96  |
| 30  | 16             | 189,78         | 182,25         | 20119030 | 2,10  |
| 31  | 20             | 195,83         | 188,30         | 20119031 | 2,24  |
| 32  | 20             | 201,88         | 194,35         | 20119032 | 2,39  |
| 33  | 20             | 207,94         | 200,41         | 20119033 | 2,55  |
| 34  | 20             | 213,99         | 206,46         | 20119034 | 2,71  |
| 35  | 20             | 220,05         | 212,52         | 20119035 | 2,88  |
| 36  | 20             | 226,10         | 218,57         | 20119036 | 3,06  |
| 37  | 20             | 232,16         | 224,63         | 20119037 | 3,24  |
| 38  | 20             | 238,22         | 230,69         | 20119038 | 3,42  |
| 39  | 20             | 244,27         | 236,74         | 20119039 | 3,61  |
| 40  | 20             | 250,33         | 242,80         | 20119040 | 3,80  |
| 41  | 25             | 256,39         | 248,86         | 20119041 | 3,98  |
| 42  | 25             | 262,45         | 254,92         | 20119042 | 4,19  |
| 43  | 25             | 268,51         | 260,98         | 20119043 | 4,38  |
| 44  | 25             | 274,56         | 267,03         | 20119044 | 4,61  |
| 45  | 25             | 280,62         | 273,09         | 20119045 | 4,83  |
| 46  | 25             | 286,68         | 279,15         | 20119046 | 5,05  |
| 47  | 25             | 292,74         | 285,21         | 20119047 | 5,28  |
| 48  | 25             | 298,80         | 291,27         | 20119048 | 5,52  |
| 49  | 25             | 304,86         | 297,33         | 20119049 | 5,76  |
| 50  | 25             | 310,92         | 303,39         | 20119050 | 6,00  |
| 51  | 25             | 316,98         | 309,45         | 20119051 | 6,25  |
| 52  | 25             | 323,04         | 315,51         | 20119052 | 6,50  |
| 53  | 25             | 329,10         | 321,57         | 20119053 | 6,77  |
| 54  | 25             | 335,16         | 327,63         | 20119054 | 7,03  |
| 55  | 25             | 341,22         | 333,69         | 20119055 | 7,30  |
| 56  | 25             | 347,28         | 339,75         | 20119056 | 7,57  |
| 57  | 25             | 353,34         | 345,81         | 20119057 | 7,85  |
| 58  | 25             | 359,40         | 351,87         | 20119058 | 8,13  |
| 59  |                |                |                |          |       |
| 60  | 25             | 371,52         | 363,99         | 20119060 | 8,72  |
| 62  | 25             | 383,65         | 376,12         | 20119062 | 9,33  |
| 64  | 25             | 395,77         | 388,24         | 20119064 | 9,95  |
| 65  | 25             | 401,83         | 394,30         | 20119065 | 10,27 |
| 66  |                |                |                |          |       |
| 68  | 30             | 420,02         | 412,49         | 20119068 | 11,24 |
| 70  | 30             | 432,14         | 424,61         | 20119070 | 11,92 |
| 72  | 30             | 444,26         | 436,73         | 20119072 | 12,63 |
| 75  | 30             | 462,45         | 454,92         | 20119075 | 13,72 |
| 76  | 30             | 468,51         | 460,98         | 20119076 | 14,09 |
| 78  | 30             | 480,63         | 473,10         | 20119078 | 14,86 |
| 80  | 30             | 492,76         | 485,23         | 20119080 | 15,65 |
| 85  | 30             | 510,95         | 503,42         | 20119085 | 17,70 |
| 90  | 30             | 553,38         | 545,85         | 20119090 | 19,87 |
| 95  | 30             | 583,70         | 576,17         | 20119095 | 22,18 |
| 100 | 30             | 614,01         | 606,48         | 20119100 | 24,60 |
| 110 | 30             | 674,64         | 667,11         | 20119110 | 29,84 |
| 114 | 30             | 698,89         | 691,36         | 20119114 | 32,07 |
| 120 | 30             | 735,27         | 727,74         | 20119120 | 35,58 |
| 125 | 30             | 765,59         | 758,06         | 20119125 | 38,63 |

Double - Doppi 12-B-2

| Z   | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.    |
|-----|----------------|----------------|----------------|----------|--------|
| 8   | 12             | 57,31          | 49,78          | 20219008 | 0,26   |
| 9   | 12             | 62,23          | 55,70          | 20219009 | 0,36   |
| 10  | 12             | 69,18          | 61,65          | 20219010 | 0,46   |
| 11  | 16             | 75,15          | 67,62          | 20219011 | 0,59   |
| 12  | 16             | 81,13          | 73,60          | 20219012 | 0,72   |
| 13  | 16             | 87,13          | 79,60          | 20219013 | 0,88   |
| 14  | 16             | 93,14          | 85,61          | 20219014 | 1,02   |
| 15  | 16             | 99,16          | 91,63          | 20219015 | 1,20   |
| 16  | 20             | 105,18         | 97,65          | 20219016 | 1,39   |
| 17  | 20             | 111,20         | 103,67         | 20219017 | 1,60   |
| 18  | 20             | 117,23         | 109,70         | 20219018 | 1,81   |
| 19  | 20             | 123,27         | 115,74         | 20219019 | 2,05   |
| 20  | 20             | 129,31         | 121,78         | 20219020 | 2,30   |
| 21  | 20             | 135,35         | 127,82         | 20219021 | 2,53   |
| 22  | 20             | 141,39         | 133,86         | 20219022 | 2,80   |
| 23  | 20             | 147,43         | 139,90         | 20219023 | 3,09   |
| 24  | 20             | 153,48         | 145,95         | 20219024 | 3,39   |
| 25  | 20             | 159,52         | 151,99         | 20219025 | 3,70   |
| 26  | 20             | 165,57         | 158,04         | 20219026 | 4,03   |
| 27  | 20             | 171,62         | 164,09         | 20219027 | 4,38   |
| 28  | 20             | 177,67         | 170,14         | 20219028 | 4,73   |
| 29  | 20             | 183,72         | 176,19         | 20219029 | 5,10   |
| 30  | 20             | 189,78         | 182,25         | 20219030 | 5,49   |
| 31  | 20             | 195,83         | 188,30         | 20219031 | 5,88   |
| 32  | 20             | 201,88         | 194,35         | 20219032 | 6,30   |
| 33  | 20             | 207,94         | 200,41         | 20219033 | 6,72   |
| 34  | 20             | 213,99         | 206,46         | 20219034 | 7,16   |
| 35  | 20             | 220,05         | 212,52         | 20219035 | 7,61   |
| 36  | 25             | 226,10         | 218,57         | 20219036 | 7,99   |
| 37  | 25             | 232,16         | 224,63         | 20219037 | 8,47   |
| 38  | 25             | 238,22         | 230,69         | 20219038 | 8,96   |
| 39  | 25             | 244,27         | 236,74         | 20219039 | 9,50   |
| 40  | 25             | 250,33         | 242,80         | 20219040 | 9,99   |
| 41  | 25             | 256,39         | 248,86         | 20219041 | 10,51  |
| 42  | 25             | 262,45         | 254,92         | 20219042 | 11,07  |
| 43  | 25             | 268,51         | 260,98         | 20219043 | 11,63  |
| 44  | 25             | 274,56         | 267,03         | 20219044 | 12,21  |
| 45  | 25             | 280,62         | 273,09         | 20219045 | 12,80  |
| 46  | 25             | 286,68         | 279,15         | 20219046 | 13,40  |
| 47  | 25             | 292,74         | 285,21         | 20219047 | 14,02  |
| 48  | 25             | 298,80         | 291,27         | 20219048 | 14,65  |
| 49  | 25             | 304,86         | 297,33         | 20219049 | 15,03  |
| 50  | 25             | 310,92         | 303,39         | 20219050 | 15,95  |
| 51  | 25             | 316,98         | 309,45         | 20219051 | 16,49  |
| 52  | 25             | 323,04         | 315,51         | 20219052 | 17,31  |
| 53  | 25             | 329,10         | 321,57         | 20219053 | 17,96  |
| 54  | 25             | 335,16         | 327,63         | 20219054 | 18,73  |
| 55  | 25             | 341,22         | 333,69         | 20219055 | 19,45  |
| 56  | 25             | 347,28         | 339,75         | 20219056 | 20,20  |
| 57  | 25             | 353,34         | 345,81         | 20219057 | 20,95  |
| 58  | 25             | 359,40         | 351,87         | 20219058 | 21,72  |
| 59  |                |                |                |          |        |
| 60  | 25             | 371,52         | 363,99         | 20219060 | 23,00  |
| 62  | 30             | 383,65         | 376,12         | 20219062 | 26,62  |
| 64  | 30             | 395,77         | 388,24         | 20219064 | 27,48  |
| 65  | 30             | 401,83         | 394,30         | 20219065 | 29,00  |
| 66  | 30             | 408,89         | 400,36         | 20219066 | 29,00  |
| 68  |                |                |                |          |        |
| 70  | 30             | 432,14         | 424,61         | 20219070 | 32,01  |
| 72  | 30             | 444,26         | 436,73         | 20219072 | 33,92  |
| 75  | 30             | 462,45         | 454,92         | 20219075 | 36,88  |
| 76  | 30             | 468,51         | 460,98         | 20219076 | 37,90  |
| 78  |                |                |                |          |        |
| 80  | 30             | 492,76         | 485,23         | 20219080 | 42,10  |
| 85  | 30             | 510,95         | 503,42         | 20219085 | 47,66  |
| 90  | 30             | 553,38         | 545,85         | 20219090 | 53,36  |
| 95  | 30             | 583,70         | 576,17         | 20219095 | 59,80  |
| 100 | 30             | 614,01         | 606,48         | 20219100 | 66,39  |
| 110 | 30             | 674,64         | 667,11         | 20219110 | 81,00  |
| 114 | 30             | 698,89         | 691,36         | 20219114 | 86,68  |
| 120 | 30             | 735,27         | 727,74         | 20219120 | 97,00  |
| 125 | 30             | 765,59         | 758,06         | 20219125 | 104,50 |



**3/4"x7/16" (12-B)**

## PLATEWHEEL

|                      |         |
|----------------------|---------|
| <b>r<sub>3</sub></b> | 19,0 mm |
| <b>C</b>             | 2,0 mm  |
| <b>B<sub>1</sub></b> | 11,1 mm |
| <b>b<sub>1</sub></b> | 10,8 mm |
| <b>B<sub>2</sub></b> | 30,3 mm |
| <b>B<sub>3</sub></b> | 49,8 mm |

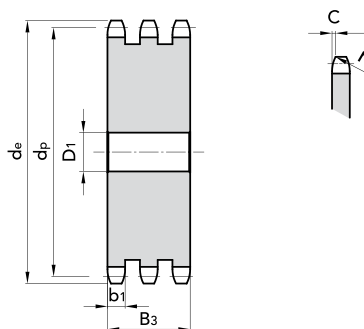
## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 11,68 mm |
| Roller Ø    | 12,07 mm |

## MATERIAL

**MATERIAL C45 EN 10083**

MATERIAL S235 JR EN 10025



### Triple - Tripli 12-B-3

| Z  | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.   | Z   | D <sub>1</sub> | d <sub>a</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|-------|-----|----------------|----------------|----------------|----------|--------|
| 8  | 16             | 57,31          | 49,78          | 20319008 | 0,31  | 44  | 25             | 274,56         | 267,03         | 20319044 | 20,03  |
| 9  | 16             | 63,23          | 55,70          | 20319009 | 0,57  | 45  | 25             | 280,62         | 273,09         | 20319045 | 21,00  |
| 10 | 16             | 69,18          | 61,65          | 20319010 | 0,74  | 46  |                |                |                |          |        |
| 11 | 20             | 75,15          | 67,62          | 20319011 | 0,91  | 47  | 25             | 294,74         | 285,21         | 20319047 | 23,00  |
| 12 | 20             | 81,13          | 73,60          | 20319012 | 1,13  | 48  | 25             | 298,80         | 291,27         | 20319048 | 24,04  |
| 13 | 20             | 87,13          | 79,60          | 20319013 | 1,38  | 49  |                |                |                |          |        |
| 14 | 20             | 93,14          | 85,61          | 20319014 | 1,64  | 50  | 25             | 310,92         | 303,39         | 20319050 | 26,17  |
| 15 | 20             | 99,16          | 91,63          | 20319015 | 1,93  | 51  |                |                |                |          |        |
| 16 | 20             | 105,18         | 97,65          | 20319016 | 2,20  | 52  | 25             | 323,04         | 315,51         | 20319052 | 28,40  |
| 17 | 20             | 111,20         | 103,67         | 20319017 | 2,54  | 53  |                |                |                |          |        |
| 18 | 20             | 117,23         | 109,70         | 20319018 | 2,89  | 54  | 25             | 335,16         | 327,63         | 20319054 | 30,72  |
| 19 | 20             | 123,27         | 115,74         | 20319019 | 3,27  | 55  | 25             | 341,22         | 333,69         | 20319055 | 31,91  |
| 20 | 20             | 129,31         | 121,78         | 20319020 | 3,67  | 56  |                |                |                |          |        |
| 21 | 20             | 135,35         | 127,82         | 20319021 | 4,10  | 57  | 30             | 353,34         | 345,81         | 20319057 | 34,00  |
| 22 | 20             | 141,39         | 133,86         | 20319022 | 4,55  | 58  | 30             | 359,40         | 351,87         | 20319058 | 34,28  |
| 23 | 20             | 147,43         | 139,90         | 20319023 | 5,02  | 59  |                |                |                |          |        |
| 24 | 20             | 153,48         | 145,95         | 20319024 | 5,51  | 60  | 30             | 371,52         | 363,99         | 20319060 | 38,00  |
| 25 | 20             | 159,52         | 151,99         | 20319025 | 6,02  | 62  |                |                |                |          |        |
| 26 | 20             | 165,57         | 158,04         | 20319026 | 6,56  | 64  |                |                |                |          |        |
| 27 | 20             | 171,62         | 164,09         | 20319027 | 7,12  | 65  | 30             | 401,83         | 394,30         | 20319065 | 45,00  |
| 28 | 20             | 177,67         | 170,14         | 20319028 | 7,71  | 66  | 30             | 408,89         | 400,36         | 20319066 | 45,00  |
| 29 | 20             | 183,72         | 176,19         | 20319029 | 8,31  | 68  |                |                |                |          |        |
| 30 | 20             | 189,78         | 182,25         | 20319030 | 8,97  | 70  | 30             | 432,14         | 424,61         | 20319070 | 52,42  |
| 31 | 25             | 195,83         | 188,30         | 20319031 | 9,52  | 72  | 30             | 444,26         | 436,73         | 20319072 | 55,55  |
| 32 | 25             | 201,88         | 194,35         | 20319032 | 10,19 | 75  |                |                |                |          |        |
| 33 | 25             | 207,94         | 200,41         | 20319033 | 10,89 | 76  | 30             | 468,51         | 460,98         | 20319076 | 62,09  |
| 34 | 25             | 213,99         | 206,46         | 20319034 | 11,61 | 78  |                |                |                |          |        |
| 35 | 25             | 220,05         | 212,52         | 20319035 | 12,35 | 80  | 30             | 492,76         | 485,23         | 20319080 | 68,98  |
| 36 | 25             | 226,10         | 218,57         | 20319036 | 13,11 | 85  | 30             | 510,95         | 503,42         | 20319085 | 78,10  |
| 37 | 25             | 232,16         | 224,63         | 20319037 | 13,90 | 90  | 30             | 553,38         | 545,85         | 20319090 | 87,79  |
| 38 | 25             | 238,22         | 230,69         | 20319038 | 14,70 | 95  | 30             | 583,70         | 576,17         | 20319095 | 98,04  |
| 39 | 25             | 244,27         | 236,74         | 20319039 | 17,54 | 100 | 30             | 614,01         | 606,48         | 20319100 | 108,86 |
| 40 | 25             | 250,33         | 242,80         | 20319040 | 16,40 | 110 | 30             | 674,64         | 667,11         | 20319110 | 120,30 |
| 41 |                |                |                |          |       | 114 | 30             | 698,89         | 691,36         | 20319114 | 142,15 |
| 42 | 25             | 262,45         | 254,92         | 20319042 | 18,17 | 120 | 30             | 735,27         | 727,74         | 20319120 | 157,77 |
| 43 | 25             | 268,51         | 260,98         | 20319043 | 19,09 | 125 | 30             | 765,59         | 758,06         | 20319125 | 171,41 |



## 1"x17.02 mm (16-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 26,0 mm |
| $C$   | 2,5 mm  |
| $B_1$ | 16,2 mm |
| $b_1$ | 15,8 mm |
| $B_2$ | 47,7 mm |
| $B_3$ | 79,6 mm |

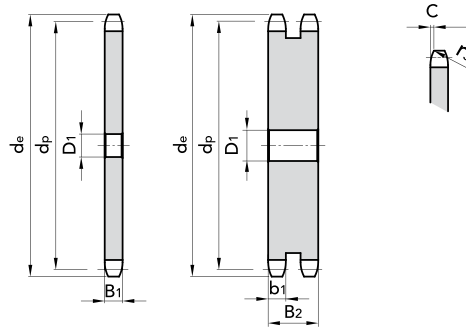
### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 17,02 mm |
| Roller Ø    | 15,88 mm |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Simple - Semplici 16-B-1

| Z  | D <sub>1</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 14             | 77,49          | 66,37          | 20125008 | 0,30  |
| 9  | 14             | 85,38          | 74,26          | 20125009 | 0,39  |
| 10 | 15             | 93,32          | 82,20          | 20125010 | 0,51  |
| 11 | 15             | 101,28         | 90,14          | 20125011 | 0,63  |
| 12 | 15             | 109,26         | 98,14          | 20125012 | 0,77  |
| 13 | 15             | 117,26         | 106,14         | 20125013 | 0,92  |
| 14 | 15             | 125,27         | 114,15         | 20125014 | 1,08  |
| 15 | 15             | 133,29         | 122,17         | 20125015 | 1,26  |
| 16 | 19             | 141,32         | 130,20         | 20125016 | 1,43  |
| 17 | 19             | 149,35         | 138,23         | 20125017 | 1,64  |
| 18 | 19             | 157,39         | 146,27         | 20125018 | 1,85  |
| 19 | 19             | 165,44         | 154,32         | 20125019 | 2,08  |
| 20 | 19             | 173,49         | 162,37         | 20125020 | 2,32  |
| 21 | 20             | 181,54         | 170,42         | 20125021 | 2,58  |
| 22 | 20             | 189,60         | 178,48         | 20125022 | 2,84  |
| 23 | 20             | 197,66         | 186,54         | 20125023 | 3,13  |
| 24 | 20             | 205,72         | 194,60         | 20125024 | 3,42  |
| 25 | 20             | 213,78         | 202,66         | 20125025 | 3,73  |
| 26 | 20             | 221,80         | 210,72         | 20125026 | 4,05  |
| 27 | 20             | 229,91         | 218,79         | 20125027 | 4,38  |
| 28 | 20             | 237,98         | 226,86         | 20125028 | 4,73  |
| 29 | 20             | 246,05         | 234,93         | 20125029 | 5,09  |
| 30 | 20             | 254,12         | 243,00         | 20125030 | 5,46  |
| 31 | 25             | 262,19         | 251,07         | 20125031 | 5,82  |
| 32 | 25             | 270,26         | 259,14         | 20125032 | 6,22  |
| 33 | 25             | 278,33         | 267,21         | 20125033 | 6,63  |
| 34 | 25             | 287,40         | 275,28         | 20125034 | 7,06  |
| 35 | 25             | 294,48         | 283,36         | 20125035 | 7,50  |
| 36 | 25             | 302,55         | 291,43         | 20125036 | 7,95  |
| 37 | 25             | 310,63         | 299,51         | 20125037 | 8,41  |
| 38 | 25             | 318,70         | 307,58         | 20125038 | 8,88  |
| 39 | 25             | 326,78         | 315,66         | 20125039 | 9,37  |
| 40 | 25             | 334,86         | 323,74         | 20125040 | 9,88  |
| 41 | 25             | 342,93         | 331,81         | 20125041 | 10,39 |
| 42 | 25             | 351,01         | 339,89         | 20125042 | 19,92 |

Double - Doppi 16-B-2

| Z  | D <sub>1</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 16             | 77,49          | 66,37          | 20225008 | 0,71  |
| 9  | 16             | 85,38          | 74,26          | 20225009 | 0,97  |
| 10 | 16             | 93,32          | 82,20          | 20225010 | 1,27  |
| 11 | 20             | 101,28         | 90,14          | 20225011 | 1,57  |
| 12 | 20             | 109,26         | 98,14          | 20225012 | 1,94  |
| 13 | 20             | 117,26         | 106,14         | 20225013 | 2,36  |
| 14 | 20             | 125,27         | 114,15         | 20225014 | 2,81  |
| 15 | 20             | 133,29         | 122,17         | 20225015 | 3,31  |
| 16 | 20             | 141,32         | 130,20         | 20225016 | 3,84  |
| 17 | 20             | 149,35         | 138,23         | 20225017 | 4,41  |
| 18 | 20             | 157,39         | 146,27         | 20225018 | 5,01  |
| 19 | 20             | 165,44         | 154,32         | 20225019 | 5,66  |
| 20 | 20             | 173,49         | 162,37         | 20225020 | 6,34  |
| 21 | 25             | 181,54         | 170,42         | 20225021 | 7,00  |
| 22 | 25             | 189,60         | 178,48         | 20225022 | 7,76  |
| 23 | 25             | 197,66         | 186,54         | 20225023 | 8,56  |
| 24 | 25             | 205,72         | 194,60         | 20225024 | 9,40  |
| 25 | 25             | 213,78         | 202,66         | 20225025 | 10,28 |
| 26 | 25             | 221,80         | 210,72         | 20225026 | 11,20 |
| 27 | 25             | 229,91         | 218,79         | 20225027 | 12,15 |
| 28 | 25             | 237,98         | 226,86         | 20225028 | 13,14 |
| 29 | 25             | 246,05         | 234,93         | 20225029 | 14,17 |
| 30 | 25             | 254,12         | 243,00         | 20225030 | 15,24 |
| 31 | 25             | 262,19         | 251,07         | 20225031 | 16,35 |
| 32 | 25             | 270,26         | 259,14         | 20225032 | 17,50 |
| 33 | 25             | 278,33         | 267,21         | 20225033 | 18,68 |
| 34 | 25             | 287,40         | 275,28         | 20225034 | 19,90 |
| 35 | 25             | 294,48         | 283,36         | 20225035 | 21,16 |
| 36 | 25             | 302,55         | 291,43         | 20225036 | 22,46 |
| 37 | 25             | 310,63         | 299,51         | 20225037 | 23,80 |
| 38 | 25             | 318,70         | 307,58         | 20225038 | 25,18 |
| 39 | 25             | 326,78         | 315,66         | 20225039 | 26,59 |
| 40 | 25             | 334,86         | 323,74         | 20225040 | 28,04 |
| 41 |                |                |                |          |       |
| 42 | 25             | 351,01         | 339,89         | 20225042 | 31,07 |



## 1"x17.02 mm (16-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 26,0 mm |
| $C$   | 2,5 mm  |
| $B_1$ | 16,2 mm |
| $b_1$ | 15,8 mm |
| $B_2$ | 47,7 mm |
| $B_3$ | 79,6 mm |

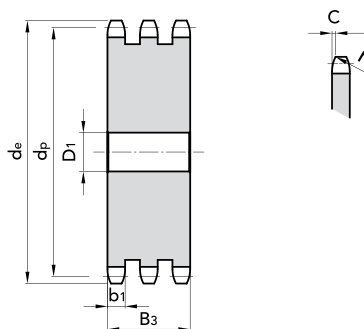
### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 17,02 mm |
| Roller Ø    | 15,88 mm |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Triple - Tripli 16-B-3

| Z  | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 20             | 77,49          | 66,37          | 20325008 | 1,13  |
| 9  | 20             | 85,38          | 74,26          | 20325009 | 1,56  |
| 10 | 20             | 93,32          | 82,20          | 20325010 | 2,05  |
| 11 | 25             | 101,28         | 90,14          | 20325011 | 2,53  |
| 12 | 25             | 109,26         | 98,14          | 20325012 | 3,15  |
| 13 | 25             | 117,26         | 106,14         | 20325013 | 3,84  |
| 14 | 25             | 125,27         | 114,15         | 20325014 | 4,59  |
| 15 | 25             | 133,29         | 122,17         | 20325015 | 5,40  |
| 16 | 30             | 141,32         | 130,20         | 20325016 | 6,16  |
| 17 | 30             | 149,35         | 138,23         | 20325017 | 7,11  |
| 18 | 30             | 157,39         | 146,27         | 20325018 | 8,11  |
| 19 | 30             | 165,44         | 154,32         | 20325019 | 9,18  |
| 20 | 30             | 173,49         | 162,37         | 20325020 | 10,31 |
| 21 | 30             | 181,54         | 170,42         | 20325021 | 11,51 |
| 22 | 30             | 189,60         | 178,48         | 20325022 | 12,77 |
| 23 | 30             | 197,66         | 186,54         | 20325023 | 14,10 |
| 24 | 30             | 205,72         | 194,60         | 20325024 | 14,49 |
| 25 | 30             | 213,78         | 202,66         | 20325025 | 16,94 |
| 26 | 30             | 221,80         | 210,72         | 20325026 | 18,33 |
| 27 | 30             | 229,91         | 218,79         | 20325027 | 19,91 |
| 28 | 30             | 237,98         | 226,86         | 20325028 | 21,55 |
| 29 | 30             | 246,05         | 234,93         | 20325029 | 23,26 |
| 30 | 30             | 254,12         | 243,00         | 20325030 | 25,04 |
| 31 | 30             | 262,19         | 251,07         | 20325031 | 26,88 |
| 32 | 30             | 270,26         | 259,14         | 20325032 | 28,78 |
| 33 | 30             | 278,33         | 267,21         | 20325033 | 30,75 |
| 34 | 30             | 287,40         | 275,28         | 20325034 | 32,78 |
| 35 | 30             | 294,48         | 283,36         | 20325035 | 34,88 |
| 36 | 30             | 302,55         | 291,43         | 20325036 | 37,04 |
| 37 |                |                |                |          |       |
| 38 | 30             | 318,70         | 307,58         | 20325038 | 41,56 |
| 39 |                |                |                |          |       |
| 40 | 30             | 334,86         | 323,74         | 20325040 | 46,42 |
| 41 |                |                |                |          |       |
| 42 | 30             | 351,01         | 339,89         | 20325042 | 51,34 |

| Z   | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.    |
|-----|----------------|----------------|----------------|----------|--------|
| 43  |                |                |                |          |        |
| 44  | 30             | 367,17         | 356,05         | 20325044 | 56,63  |
| 45  | 30             | 375,24         | 364,12         | 20325045 | 59,36  |
| 46  | 30             | 383,32         | 372,20         | 20325046 | 62,17  |
| 47  |                |                |                |          |        |
| 48  | 30             | 399,48         | 388,36         | 20325048 | 67,97  |
| 49  |                |                |                |          |        |
| 50  | 30             | 415,64         | 404,52         | 20325050 | 74,01  |
| 51  |                |                |                |          |        |
| 52  | 40             | 431,80         | 420,68         | 20325052 | 79,98  |
| 53  |                |                |                |          |        |
| 54  |                |                |                |          |        |
| 55  | 40             | 456,04         | 444,92         | 20325055 | 89,92  |
| 56  |                |                |                |          |        |
| 57  | 40             | 472,20         | 461,08         | 20325057 | 96,87  |
| 58  |                |                |                |          |        |
| 60  | 40             | 496,45         | 485,33         | 20325060 | 107,78 |
| 62  |                |                |                |          |        |
| 64  |                |                |                |          |        |
| 65  | 40             | 536,85         | 525,73         | 20325065 | 127,24 |
| 68  | 40             | 561,10         | 579,98         | 20325068 | 137,78 |
| 70  | 40             | 577,27         | 566,15         | 20325070 | 148,31 |
| 72  | 40             | 593,43         | 582,31         | 20325072 | 157,18 |
| 75  |                |                |                |          |        |
| 76  | 40             | 625,76         | 614,64         | 20325076 | 175,70 |
| 78  |                |                |                |          |        |
| 80  | 40             | 658,09         | 646,97         | 20325080 | 195,25 |
| 85  | 40             | 698,51         | 687,39         | 20325085 | 221,13 |
| 90  | 40             | 738,92         | 727,80         | 20325090 | 248,61 |
| 95  | 40             | 779,34         | 768,22         | 20325095 | 277,70 |
| 100 |                |                |                |          |        |
| 110 |                |                |                |          |        |
| 114 | 40             | 932,93         | 921,81         | 20325114 | 402,85 |
| 120 |                |                |                |          |        |
| 125 | 40             | 1021,86        | 1010,74        | 20325125 | 485,90 |



## PLATEWHEEL

|                      |         |
|----------------------|---------|
| <b>r<sub>3</sub></b> | 32,0 mm |
| <b>C</b>             | 3,5 mm  |
| <b>B<sub>1</sub></b> | 18,5 mm |
| <b>b<sub>1</sub></b> | 18,2 mm |
| <b>B<sub>2</sub></b> | 54,6 mm |
| <b>B<sub>3</sub></b> | 91,0 mm |

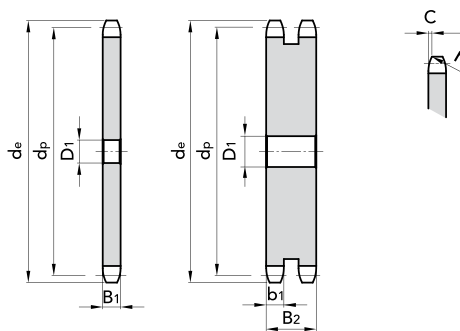
## CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,56 mm |
| Roller Ø    | 19.05 mm |

## MATERIAL

**MATERIAL C45 EN 10083**

**MATERIAL S235 JR EN 10025**

72



## 1" 1/4x3/4" (20-B)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 32,0 mm |
| $C$   | 3,5 mm  |
| $B_1$ | 18,5 mm |
| $b_1$ | 18,2 mm |
| $B_2$ | 54,6 mm |
| $B_3$ | 91,0 mm |

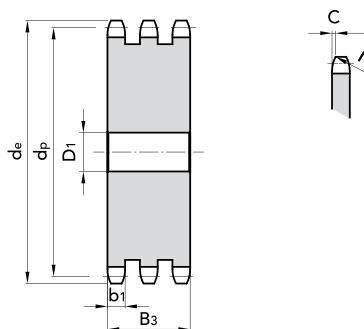
### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,56 mm |
| Roller Ø    | 19,05 mm |

### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



Triple - Tripli 20-B-3

| Z  | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 20             | 98,10          | 82,96          | 20331008 | 2,02  |
| 9  | 20             | 108,0          | 92,84          | 20331009 | 2,79  |
| 10 | 20             | 117,9          | 102,74         | 20331010 | 3,77  |
| 11 | 20             | 127,8          | 112,68         | 20331011 | 4,53  |
| 12 | 20             | 137,8          | 122,68         | 20331012 | 5,64  |
| 13 | 20             | 147,8          | 132,65         | 20331013 | 4,87  |
| 14 | 20             | 157,8          | 142,68         | 20331014 | 8,20  |
| 15 | 20             | 167,9          | 152,72         | 20331015 | 9,65  |
| 16 | 25             | 177,9          | 162,75         | 20331016 | 11,07 |
| 17 | 25             | 187,9          | 172,78         | 20331017 | 12,75 |
| 18 | 25             | 198,0          | 182,85         | 20331018 | 14,54 |
| 19 | 25             | 208,1          | 192,91         | 20331019 | 16,45 |
| 20 | 25             | 218,1          | 202,98         | 20331020 | 18,47 |
| 21 | 25             | 228,2          | 213,04         | 20331021 | 20,62 |
| 22 | 25             | 238,3          | 223,11         | 20331022 | 22,87 |
| 23 | 25             | 248,3          | 233,17         | 20331023 | 25,24 |
| 24 | 25             | 258,4          | 243,23         | 20331024 | 27,72 |
| 25 | 25             | 268,5          | 253,33         | 20331025 | 30,32 |
| 26 | 25             | 278,6          | 263,40         | 20331026 | 33,03 |
| 27 | 25             | 288,6          | 273,40         | 20331027 | 35,86 |
| 28 | 25             | 298,7          | 283,56         | 20331028 | 38,80 |
| 29 |                |                |                |          |       |
| 30 | 25             | 318,9          | 303,75         | 20331030 | 45,03 |
| 31 |                |                |                |          |       |
| 32 | 25             | 339,1          | 323,91         | 20331032 | 51,72 |
| 33 | 25             | 349,2          | 334,01         | 20331033 | 55,17 |
| 34 | 25             | 359,3          | 344,10         | 20331034 | 58,86 |
| 35 | 25             | 369,4          | 354,20         | 20331035 | 62,60 |
| 36 | 30             | 379,5          | 364,30         | 20331036 | 66,46 |
| 37 | 30             | 389,5          | 374,39         | 20331037 | 70,37 |

| Z   | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.    |
|-----|----------------|----------------|----------------|----------|--------|
| 38  | 30             | 399,6          | 384,49         | 20331038 | 74,52  |
| 39  |                |                |                |          |        |
| 40  | 30             | 419,8          | 404,68         | 20331040 | 83,04  |
| 41  |                |                |                |          |        |
| 42  |                |                |                |          |        |
| 43  |                |                |                |          |        |
| 44  |                |                |                |          |        |
| 45  | 40             | 470,3          | 455,17         | 20331045 | 105,96 |
| 46  |                |                |                |          |        |
| 48  |                |                |                |          |        |
| 50  | 40             | 520,8          | 505,65         | 20331050 | 132,13 |
| 51  |                |                |                |          |        |
| 52  |                |                |                |          |        |
| 54  |                |                |                |          |        |
| 55  | 40             | 571,3          | 556,16         | 20331055 | 161,16 |
| 56  |                |                |                |          |        |
| 57  | 40             | 591,5          | 576,36         | 20331057 | 173,58 |
| 58  |                |                |                |          |        |
| 60  | 40             | 621,8          | 606,65         | 20331060 | 193,06 |
| 64  |                |                |                |          |        |
| 65  | 40             | 672,3          | 657,16         | 20331065 | 227,83 |
| 70  | 40             | 722,8          | 707,67         | 20331070 | 265,46 |
| 75  |                |                |                |          |        |
| 76  | 40             | 783,5          | 768,32         | 20331076 | 314,39 |
| 80  | 40             | 823,9          | 808,72         | 20331080 | 340,0  |
| 85  |                |                |                |          |        |
| 90  |                |                |                |          |        |
| 95  | 40             | 975,4          | 960,28         | 20331095 | 420,0  |
| 100 |                |                |                |          |        |
| 114 | 40             | 1167,4         | 1152,26        | 20331114 | 720,16 |



# 1" 1/2x1" (24-B)

## PLATEWHEEL

$r_3$  38,0 mm  
 $C$  4,0 mm  
 $B_1$  24,1 mm  
 $b_1$  23,6 mm  
 $B_2$  72,0 mm  
 $B_3$  120,30 mm

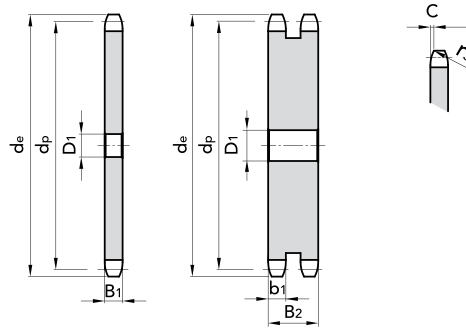
## CHAIN

Pitch 38,1 mm  
Inner width 25,4 mm  
Roller  $\varnothing$  25,4 mm

## MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025



### Simple - Semplici 24-B-1

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 20             | 115,0          | 99,55          | 20138008 | 1,00  |
| 9  | 20             | 126,4          | 111,40         | 20138009 | 1,32  |
| 10 | 20             | 138,0          | 123,29         | 20138010 | 1,69  |
| 11 | 20             | 150,0          | 135,21         | 20138011 | 2,07  |
| 12 | 20             | 162,0          | 147,22         | 20138012 | 2,53  |
| 13 | 20             | 174,2          | 159,18         | 20138013 | 3,03  |
| 14 | 20             | 186,2          | 171,22         | 20138014 | 3,57  |
| 15 | 20             | 198,2          | 183,26         | 20138015 | 4,16  |
| 16 | 25             | 210,3          | 195,30         | 20138016 | 4,79  |
| 17 | 25             | 222,3          | 207,34         | 20138017 | 5,47  |
| 18 | 25             | 234,3          | 219,42         | 20138018 | 6,19  |
| 19 | 25             | 246,5          | 231,49         | 20138019 | 6,95  |
| 20 | 25             | 258,6          | 243,57         | 20138020 | 7,76  |
| 21 | 25             | 270,6          | 255,65         | 20138021 | 8,57  |
| 22 | 25             | 282,7          | 267,73         | 20138022 | 9,46  |
| 23 | 25             | 294,8          | 279,80         | 20138023 | 10,40 |
| 24 | 25             | 306,8          | 291,88         | 20138024 | 11,38 |
| 25 | 25             | 319,0          | 304,00         | 20138025 | 12,41 |
| 26 | 30             | 331,0          | 316,08         | 20138026 | 13,47 |
| 27 | 30             | 343,2          | 328,19         | 20138027 | 14,59 |
| 28 | 30             | 355,2          | 340,27         | 20138028 | 15,74 |
| 29 | 30             | 367,3          | 352,38         | 20138029 | 16,94 |
| 30 | 30             | 379,5          | 364,50         | 20138030 | 18,91 |
| 31 | 30             | 391,6          | 376,62         | 20138031 | 19,47 |
| 32 | 30             | 403,7          | 388,69         | 20138032 | 20,80 |
| 33 | 30             | 415,8          | 400,81         | 20138033 | 22,18 |
| 34 | 30             | 427,8          | 412,93         | 20138034 | 23,60 |
| 35 | 30             | 440,0          | 425,04         | 20138035 | 25,06 |
| 36 | 30             | 452,0          | 437,16         | 20138036 | 26,60 |
| 37 | 30             | 464,2          | 449,27         | 20138037 | 28,12 |
| 38 | 30             | 476,2          | 461,39         | 20138038 | 29,71 |
| 39 |                |                |                |          |       |
| 40 | 30             | 500,6          | 485,62         | 20138040 | 33,03 |

### Double - Doppi 24-B-2

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  | 25             | 115,00         | 99,55          | 20238008 | 2,31  |
| 9  | 25             | 126,40         | 111,40         | 20238009 | 3,18  |
| 10 | 25             | 138,00         | 123,29         | 20238010 | 4,19  |
| 11 | 25             | 150,00         | 135,21         | 20238011 | 5,33  |
| 12 | 25             | 162,00         | 147,22         | 20238012 | 6,59  |
| 13 | 25             | 174,20         | 159,18         | 20238013 | 7,99  |
| 14 | 25             | 186,20         | 171,22         | 20238014 | 9,52  |
| 15 | 25             | 198,20         | 183,26         | 20238015 | 11,18 |
| 16 | 25             | 210,30         | 195,30         | 20238016 | 12,85 |
| 17 | 25             | 222,30         | 207,34         | 20238017 | 14,77 |
| 18 | 25             | 234,30         | 219,42         | 20238018 | 16,82 |
| 19 | 25             | 246,50         | 231,49         | 20238019 | 19,00 |
| 20 | 25             | 258,60         | 243,57         | 20238020 | 21,31 |
| 21 | 25             | 270,60         | 255,65         | 20238021 | 23,75 |
| 22 | 25             | 282,70         | 267,73         | 20238022 | 26,33 |
| 23 | 25             | 294,80         | 279,80         | 20238023 | 29,03 |
| 24 | 25             | 306,80         | 291,88         | 20238024 | 31,86 |
| 25 | 25             | 319,00         | 304,00         | 20238025 | 34,83 |
| 26 | 30             | 331,00         | 316,08         | 20238026 | 37,93 |
| 27 | 30             | 343,20         | 328,19         | 20238027 | 41,15 |
| 28 | 30             | 355,20         | 340,27         | 20238028 | 44,51 |
| 29 | 30             | 367,30         | 352,38         | 20238029 | 48,00 |
| 30 | 30             | 379,50         | 364,50         | 20238030 | 51,61 |
| 31 | 30             | 391,60         | 376,62         | 20238031 | 55,05 |
| 32 | 30             | 403,70         | 388,69         | 20238032 | 58,93 |
| 33 | 30             | 415,80         | 400,81         | 20238033 | 62,94 |
| 34 | 30             | 427,80         | 412,93         | 20238034 | 67,08 |
| 35 | 30             | 440,00         | 425,04         | 20238035 | 71,35 |
| 36 | 30             | 452,00         | 437,16         | 20238036 | 75,75 |
| 37 | 30             | 464,20         | 449,27         | 20238037 | 80,28 |
| 38 | 30             | 476,20         | 461,39         | 20238038 | 84,95 |
| 39 |                |                |                |          |       |
| 40 | 30             | 500,60         | 485,62         | 20238040 | 94,66 |





# 1" 1/2x1" (24-B)

## PLATEWHEEL

**r<sub>3</sub>** 38,0 mm  
**C** 4,0 mm  
**B<sub>1</sub>** 24,1 mm  
**b<sub>1</sub>** 23,6 mm  
**B<sub>2</sub>** 72,0 mm  
**B<sub>3</sub>** 120,30 mm

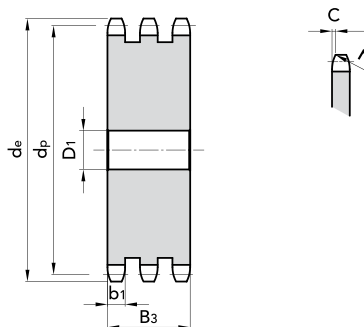
## MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

## CHAIN

Pitch 38,1 mm  
Inner width 25,4 mm  
Roller Ø 25,4 mm



Triple - Tripli 24-B-3

| Z  | D <sub>1</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  | 25             | 115,0          | 99,55          | 20338008 | 3,67   |
| 9  | 25             | 126,4          | 111,40         | 20338009 | 5,10   |
| 10 | 25             | 138,0          | 123,29         | 20338010 | 6,75   |
| 11 | 25             | 150,0          | 135,21         | 20338011 | 8,42   |
| 12 | 25             | 162,0          | 147,22         | 20338012 | 10,50  |
| 13 | 25             | 174,2          | 159,18         | 20338013 | 12,81  |
| 14 | 25             | 186,2          | 171,22         | 20338014 | 15,33  |
| 15 | 25             | 198,2          | 183,26         | 20338015 | 18,08  |
| 16 | 25             | 210,3          | 195,30         | 20338016 | 21,04  |
| 17 | 25             | 222,3          | 207,34         | 20338017 | 24,22  |
| 18 | 25             | 234,3          | 219,42         | 20338018 | 27,61  |
| 19 | 25             | 246,5          | 231,49         | 20338019 | 31,23  |
| 20 | 25             | 258,6          | 243,57         | 20338020 | 35,06  |
| 21 | 30             | 270,6          | 255,65         | 20338021 | 38,60  |
| 22 | 30             | 282,7          | 267,73         | 20338022 | 42,87  |
| 23 | 30             | 294,8          | 279,80         | 20338023 | 47,36  |
| 24 | 30             | 306,8          | 291,88         | 20338024 | 52,07  |
| 25 | 30             | 319,0          | 304,00         | 20338025 | 56,99  |
| 26 | 30             | 331,0          | 316,08         | 20338026 | 62,14  |
| 27 | 30             | 343,2          | 328,19         | 20338027 | 67,50  |
| 28 | 30             | 355,2          | 340,27         | 20338028 | 73,08  |
| 29 |                |                |                |          |        |
| 30 | 40             | 379,5          | 364,50         | 20338030 | 84,90  |
| 31 |                |                |                |          |        |
| 32 | 40             | 403,7          | 388,69         | 20338032 | 97,59  |
| 33 |                |                |                |          |        |
| 34 |                |                |                |          |        |
| 35 | 40             | 440,0          | 425,04         | 20338035 | 118,26 |
| 36 |                |                |                |          |        |
| 37 |                |                |                |          |        |
| 38 | 40             | 476,2          | 416,39         | 20338038 | 140,90 |
| 39 |                |                |                |          |        |
| 40 | 40             | 500,6          | 485,62         | 20338040 | 158,08 |

| Z  | D <sub>1</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 41 |                |                |                |          |        |
| 42 |                |                |                |          |        |
| 43 |                |                |                |          |        |
| 44 |                |                |                |          |        |
| 45 | 40             | 561,2          | 546,20         | 20338045 | 201,37 |
| 46 |                |                |                |          |        |
| 47 |                |                |                |          |        |
| 48 | 40             | 597,4          | 582,55         | 20338048 | 230,56 |
| 49 |                |                |                |          |        |
| 50 | 40             | 621,7          | 606,78         | 20338050 | 251,11 |
| 51 |                |                |                |          |        |
| 52 |                |                |                |          |        |
| 53 |                |                |                |          |        |
| 54 |                |                |                |          |        |
| 55 | 40             | 682,3          | 667,40         | 20338055 | 265,0  |
| 56 |                |                |                |          |        |
| 57 | 40             | 706,5          | 691,63         | 20338057 | 329,92 |
| 58 |                |                |                |          |        |
| 59 |                |                |                |          |        |
| 60 | 40             | 742,8          | 727,97         | 20338060 | 366,97 |
| 62 |                |                |                |          |        |
| 64 |                |                |                |          |        |
| 65 |                |                |                |          |        |
| 66 |                |                |                |          |        |
| 68 |                |                |                |          |        |
| 70 |                |                |                |          |        |
| 72 |                |                |                |          |        |
| 75 |                |                |                |          |        |
| 76 | 40             | 936,9          | 921,98         | 20338076 | 597,76 |
| 80 |                |                |                |          |        |
| 85 |                |                |                |          |        |
| 95 |                |                |                |          |        |



## 1" 3/4x1" 1/4 (28-B)

### PLATEWHEEL

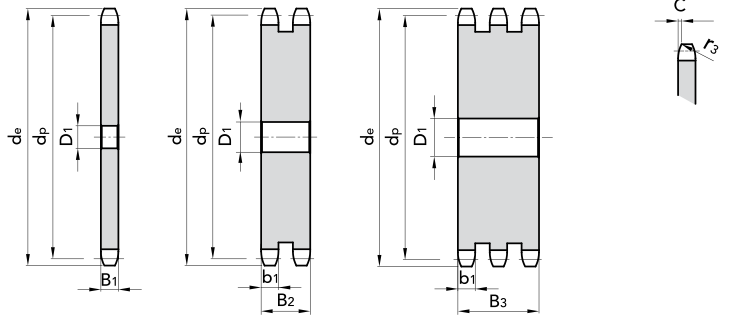
$r_3$  44,0 mm  
 $C$  5,0 mm  
 $B_1$  29,4 mm  
 $b_1$  28,8 mm  
 $B_2$  88,4 mm  
 $B_3$  148,0 mm

### MATERIAL

MATERIAL C45 EN 10083  
MATERIAL S235 JR EN 10025

### CHAIN

Pitch 44,45 mm  
Inner width 30,99 mm  
Roller Ø 27,94 mm



Simple - Semplici 28-B-1

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  | 25             | 132,0          | 116,15         | 20144008 | 1,71   |
| 9  | 25             | 148,4          | 129,96         | 20144009 | 2,26   |
| 10 | 25             | 162,3          | 143,85         | 20144010 | 2,88   |
| 11 | 25             | 176,3          | 157,77         | 20144011 | 3,53   |
| 12 | 25             | 189,5          | 171,74         | 20144012 | 4,29   |
| 13 | 25             | 204,2          | 185,75         | 20144013 | 5,12   |
| 14 | 25             | 218,2          | 199,76         | 20144014 | 6,03   |
| 15 | 25             | 232,3          | 213,79         | 20144015 | 7,01   |
| 16 | 30             | 246,3          | 227,84         | 20144016 | 8,02   |
| 17 | 30             | 260,0          | 241,91         | 20144017 | 9,14   |
| 18 | 30             | 274,0          | 255,98         | 20144018 | 10,34  |
| 19 | 30             | 289,0          | 270,06         | 20144019 | 11,61  |
| 20 | 30             | 303,0          | 284,15         | 20144020 | 12,95  |
| 21 | 30             | 317,0          | 298,24         | 20144021 | 14,37  |
| 22 | 30             | 331,0          | 312,34         | 20144022 | 15,86  |
| 23 | 30             | 345,0          | 326,44         | 20144023 | 17,42  |
| 24 | 30             | 359,0          | 340,55         | 20144024 | 19,05  |
| 25 | 30             | 373,0          | 354,66         | 20144025 | 20,76  |
| 26 | 30             | 387,0          | 368,77         | 20144026 | 22,54  |
| 27 | 30             | 401,4          | 382,88         | 20144027 | 24,39  |
| 28 | 30             | 416,0          | 397,00         | 20144028 | 26,32  |
| 29 |                |                |                |          |        |
| 30 | 30             | 444,0          | 425,24         | 20144030 | 30,38  |
| 31 |                |                |                |          |        |
| 32 | 30             | 472,0          | 453,49         | 20144032 | 34,74  |
| 33 |                |                |                |          |        |
| 34 | 30             | 500,0          | 481,75         | 20144034 | 39,38  |
| 35 | 30             | 514,0          | 495,88         | 20144035 | 41,82  |
| 36 | 30             | 529,0          | 510,01         | 20144036 | 44,32  |
| 37 |                |                |                |          |        |
| 38 | 30             | 557,0          | 538,27         | 20144038 | 49,55  |
| 39 |                |                |                |          |        |
| 40 | 30             | 585,0          | 566,54         | 20144040 | 55,07  |
| 45 | 30             | 656,0          | 637,22         | 20144045 | 70,13  |
| 50 | 30             | 726,0          | 707,91         | 20144050 | 87,01  |
| 57 | 40             | 825,0          | 806,90         | 20144057 | 113,56 |
| 60 | 40             | 869,0          | 849,32         | 20144060 | 126,08 |
| 76 | 40             | 1095,5         | 1075,62        | 20144076 | 203,89 |

Double - Doppi 28-B-2

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  | 25             | 132,00         | 116,15         | 20244008 | 4,01   |
| 9  | 25             | 148,40         | 129,96         | 20244009 | 5,48   |
| 10 | 25             | 162,3          | 143,85         | 20244010 | 7,17   |
| 11 | 25             | 176,30         | 157,77         | 20244011 | 8,92   |
| 12 | 25             | 189,50         | 171,74         | 20244012 | 11,04  |
| 13 | 25             | 204,20         | 185,75         | 20244013 | 13,38  |
| 14 | 25             | 218,20         | 199,76         | 20244014 | 15,94  |
| 15 | 25             | 232,30         | 213,79         | 20244015 | 18,72  |
| 16 | 30             | 246,30         | 227,84         | 20244016 | 21,71  |
| 17 | 30             | 260,00         | 241,91         | 20244017 | 24,92  |
| 18 | 30             | 274,00         | 255,98         | 20244018 | 28,36  |
| 19 | 30             | 289,00         | 270,06         | 20244019 | 32,00  |
| 20 | 30             | 303,00         | 284,15         | 20244020 | 35,87  |
| 21 | 30             | 317,00         | 298,24         | 20244021 | 39,96  |
| 22 | 30             | 331,00         | 312,34         | 20244022 | 44,26  |
| 23 | 30             | 345,00         | 326,44         | 20244023 | 48,78  |
| 24 | 30             | 359,00         | 340,55         | 20244024 | 52,85  |
| 25 | 30             | 373,00         | 354,66         | 20244025 | 58,50  |
| 26 | 30             | 387,00         | 368,77         | 20244026 | 63,28  |
| 27 |                |                |                |          |        |
| 28 | 30             | 416,00         | 397,00         | 20244028 | 74,29  |
| 29 |                |                |                |          |        |
| 30 | 30             | 444,00         | 425,24         | 20244030 | 86,17  |
| 31 |                |                |                |          |        |
| 32 |                |                |                |          |        |
| 33 |                |                |                |          |        |
| 34 |                |                |                |          |        |
| 35 | 30             | 514,00         | 495,88         | 20244035 | 119,69 |
| 36 |                |                |                |          |        |
| 37 |                |                |                |          |        |
| 38 | 30             | 557,00         | 538,27         | 20244038 | 142,42 |
| 39 |                |                |                |          |        |
| 40 | 30             | 585,00         | 566,54         | 20244040 | 158,67 |
| 45 | 30             | 656,00         | 637,22         | 20244045 | 203,10 |
| 50 | 30             | 726,00         | 707,91         | 20244050 | 252,99 |
| 57 | 40             | 825,00         | 806,90         | 20244057 | 332,00 |
| 60 | 40             | 869,00         | 849,32         | 20244060 | 365,00 |
| 76 | 40             | 1095,50        | 1075,62        | 20244076 | 600,35 |

Triple - Tripli 28-B-3

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.     |
|----|----------------|----------------|----------------|----------|---------|
| 8  | 25             | 132,0          | 116,15         | 20344008 | 6,39    |
| 9  | 25             | 148,4          | 129,96         | 20344009 | 8,80    |
| 10 | 25             | 162,3          | 143,85         | 20344010 | 11,56   |
| 11 | 30             | 176,3          | 157,77         | 20344011 | 14,44   |
| 12 | 30             | 189,5          | 171,74         | 20344012 | 17,93   |
| 13 | 30             | 204,2          | 185,75         | 20344013 | 21,79   |
| 14 | 30             | 218,2          | 199,76         | 20344014 | 26,02   |
| 15 | 30             | 232,3          | 213,79         | 20344015 | 30,61   |
| 16 | 30             | 246,3          | 227,84         | 20344016 | 35,57   |
| 17 | 30             | 260,0          | 241,91         | 20344017 | 40,89   |
| 18 | 30             | 274,0          | 255,98         | 20344018 | 46,58   |
| 19 | 30             | 289,0          | 270,06         | 20344019 | 52,64   |
| 20 | 30             | 303,0          | 284,15         | 20344020 | 59,06   |
| 21 | 30             | 317,0          | 298,24         | 20344021 | 65,20   |
| 22 |                |                |                |          |         |
| 23 | 30             | 345,0          | 326,44         | 20344023 | 79,87   |
| 24 |                |                |                |          |         |
| 25 | 40             | 373,0          | 354,66         | 20344025 | 95,99   |
| 26 |                |                |                |          |         |
| 27 |                |                |                |          |         |
| 28 |                |                |                |          |         |
| 29 |                |                |                |          |         |
| 30 | 40             | 444,0          | 425,24         | 20344030 | 142,70  |
| 31 |                |                |                |          |         |
| 32 |                |                |                |          |         |
| 33 |                |                |                |          |         |
| 34 |                |                |                |          |         |
| 35 |                |                |                |          |         |
| 36 |                |                |                |          |         |
| 37 |                |                |                |          |         |
| 38 | 40             | 557,0          | 538,27         | 20344038 | 236,43  |
| 39 |                |                |                |          |         |
| 40 | 40             | 585,0          | 566,54         | 20344040 | 263,52  |
| 45 | 40             | 656,0          | 637,22         | 20344045 | 337,73  |
| 50 |                |                | 707,91         |          |         |
| 57 | 40             | 825,0          | 806,90         | 20344057 | 552,76  |
| 60 |                |                | 849,32         |          |         |
| 76 | 40             | 1095,5         | 1075,62        | 20344076 | 1000,97 |



## 2" x 1" 1/4 (32-B)

### PLATEWHEEL

**r<sub>3</sub>** 51,0 mm  
**C** 5,0 mm  
**B<sub>1</sub>** 29,4 mm  
**b<sub>1</sub>** 28,8 mm  
**B<sub>2</sub>** 87,4 mm  
**B<sub>3</sub>** 146,0 mm

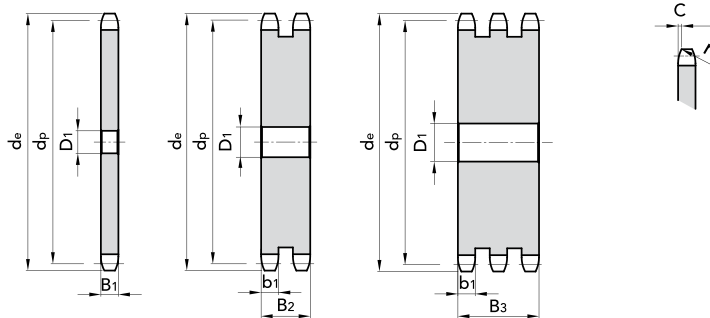
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

Pitch 50,80 mm  
Inner width 30,99 mm  
Roller Ø 29,21 mm



**Simple - Semplici 32-B-1**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  | 25             | 153,2          | 132,69         | 20150008 | 2,27   |
| 9  | 25             | 169,0          | 148,54         | 20150009 | 2,99   |
| 10 | 25             | 185,0          | 164,39         | 20150010 | 3,81   |
| 11 | 30             | 200,8          | 180,34         | 20150011 | 4,67   |
| 12 | 30             | 216,8          | 196,29         | 20150012 | 5,67   |
| 13 | 30             | 232,8          | 212,27         | 20150013 | 6,77   |
| 14 | 30             | 248,8          | 228,29         | 20150014 | 7,97   |
| 15 | 30             | 264,8          | 244,30         | 20150015 | 9,26   |
| 16 | 30             | 280,9          | 260,40         | 20150016 | 10,64  |
| 17 | 30             | 296,9          | 276,40         | 20150017 | 12,12  |
| 18 | 30             | 313,0          | 292,55         | 20150018 | 13,69  |
| 19 | 30             | 329,1          | 308,66         | 20150019 | 15,36  |
| 20 | 30             | 345,2          | 324,71         | 20150020 | 16,99  |
| 21 | 30             | 361,3          | 340,82         | 20150021 | 18,85  |
| 22 | 30             | 377,5          | 356,98         | 20150022 | 20,80  |
| 23 | 30             | 393,6          | 373,08         | 20150023 | 22,85  |
| 24 | 30             | 409,7          | 389,19         | 20150024 | 24,99  |
| 25 | 30             | 425,8          | 405,33         | 20150025 | 27,23  |
| 26 | 30             | 441,9          | 421,44         | 20150026 | 29,56  |
| 27 |                |                |                |          |        |
| 28 | 30             | 474,2          | 453,69         | 20150028 | 34,51  |
| 29 |                |                |                |          |        |
| 30 | 30             | 506,5          | 486,00         | 20150030 | 39,84  |
| 32 | 30             | 538,8          | 518,28         | 20150032 | 45,54  |
| 35 | 30             | 589,5          | 566,72         | 20150035 | 54,81  |
| 38 | 30             | 635,5          | 615,14         | 20150038 | 64,93  |
| 40 | 40             | 670,3          | 647,49         | 20150040 | 72,16  |
| 45 | 40             | 751,0          | 728,26         | 20150045 | 91,87  |
| 50 | 40             | 831,8          | 809,04         | 20150050 | 113,96 |
| 57 | 40             | 945,0          | 922,17         | 20150057 | 148,86 |
| 60 | 40             | 993,4          | 970,63         | 20150060 | 165,24 |
| 76 | 40             | 1252,0         | 1229,28        | 20150076 | 267,00 |

**Double - Doppi 32-B-2**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  | 25             | 153,20         | 132,69         | 20250008 | 5,53   |
| 9  | 25             | 169,00         | 148,54         | 20250009 | 7,46   |
| 10 | 25             | 185,00         | 164,39         | 20250010 | 9,68   |
| 11 | 30             | 200,80         | 180,34         | 20250011 | 11,86  |
| 12 | 30             | 216,80         | 196,29         | 20250012 | 14,64  |
| 13 | 30             | 232,80         | 212,27         | 20250013 | 17,70  |
| 14 | 30             | 248,80         | 228,29         | 20250014 | 21,05  |
| 15 | 30             | 264,80         | 244,30         | 20250015 | 24,68  |
| 16 | 30             | 280,90         | 260,40         | 20250016 | 28,38  |
| 17 | 30             | 296,90         | 276,40         | 20250017 | 32,57  |
| 18 | 30             | 313,00         | 292,55         | 20250018 | 37,05  |
| 19 | 30             | 329,10         | 308,66         | 20250019 | 41,80  |
| 20 | 30             | 345,20         | 324,71         | 20250020 | 46,84  |
| 21 | 30             | 361,30         | 340,82         | 20250021 | 52,15  |
| 22 | 30             | 377,50         | 356,98         | 20250022 | 57,75  |
| 23 | 30             | 393,60         | 373,08         | 20250023 | 63,63  |
| 24 | 30             | 409,70         | 389,19         | 20250024 | 69,80  |
| 25 | 30             | 425,80         | 405,33         | 20250025 | 76,24  |
| 26 | 30             | 441,90         | 421,44         | 20250026 | 82,97  |
| 27 |                |                |                |          |        |
| 28 | 30             | 474,20         | 453,69         | 20250028 | 97,27  |
| 29 |                |                |                |          |        |
| 30 | 40             | 506,50         | 486,00         | 20250030 | 112,70 |
| 32 |                |                |                |          |        |
| 35 | 40             | 589,50         | 566,72         | 20250035 | 156,19 |
| 38 | 40             | 635,50         | 615,14         | 20250038 | 185,67 |
| 40 | 40             | 670,30         | 647,49         | 20250040 | 206,73 |
| 45 | 40             | 751,00         | 728,26         | 20250045 | 265,32 |
| 50 | 40             | 831,80         | 809,04         | 20250050 | 328,95 |
| 57 | 40             | 945,00         | 922,17         | 20250057 | 431,27 |
| 60 | 40             | 993,40         | 970,63         | 20250060 | 474,00 |
| 76 | 40             | 1252,00        | 1229,28        | 20250076 | 757,78 |

**Triple - Tripli 32-B-3**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.     |
|----|----------------|----------------|----------------|----------|---------|
| 8  | 25             | 153,2          | 132,69         | 20350008 | 8,83    |
| 9  | 25             | 169,0          | 148,54         | 20350009 | 11,99   |
| 10 | 25             | 185,0          | 164,39         | 20350010 | 15,63   |
| 11 | 30             | 200,8          | 180,34         | 20350011 | 19,20   |
| 12 | 30             | 216,8          | 196,29         | 20350012 | 23,78   |
| 13 | 30             | 232,8          | 212,27         | 20350013 | 28,83   |
| 14 | 30             | 248,8          | 228,29         | 20350014 | 34,35   |
| 15 | 30             | 264,8          | 244,30         | 20350015 | 40,34   |
| 16 | 30             | 280,9          | 260,40         | 20350016 | 46,47   |
| 17 | 30             | 296,9          | 276,40         | 20350017 | 53,40   |
| 18 | 30             | 313,0          | 292,55         | 20350018 | 60,80   |
| 19 | 30             | 329,1          | 308,66         | 20350019 | 68,68   |
| 20 | 30             | 345,2          | 324,71         | 20350020 | 77,02   |
| 21 | 40             | 361,3          | 340,82         | 20350021 | 85,84   |
| 22 |                |                |                |          |         |
| 23 | 40             | 393,6          | 373,08         | 20350023 | 104,88  |
| 24 |                |                |                |          |         |
| 25 | 40             | 425,8          | 405,33         | 20350025 | 125,81  |
| 26 |                |                |                |          |         |
| 27 |                |                |                |          |         |
| 28 |                |                |                |          |         |
| 29 |                |                |                |          |         |
| 30 | 40             | 506,5          | 486,00         | 20350030 | 186,37  |
| 32 |                |                |                |          |         |
| 35 | 40             | 589,5          | 566,72         | 20350035 | 258,69  |
| 38 | 40             | 635,5          | 615,14         | 20350038 | 307,73  |
| 40 |                |                |                |          |         |
| 45 | 40             | 751,0          | 728,26         | 20350045 | 438,64  |
| 50 | 40             | 831,8          | 809,04         | 20350050 | 549,27  |
| 57 | 40             | 945,0          | 922,17         | 20350057 | 716,72  |
| 60 | 40             | 993,4          | 970,63         | 20350060 | 1006,0  |
| 76 | 40             | 1252,0         | 1229,28        | 20350076 | 1295,64 |



## pitch 3/8" x 3/16" (06-A)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 10,0 mm |
| C     | 1,2 mm  |
| $B_1$ | 4,4 mm  |
| $b_1$ | 4,3 mm  |
| $B_2$ | 14,4 mm |

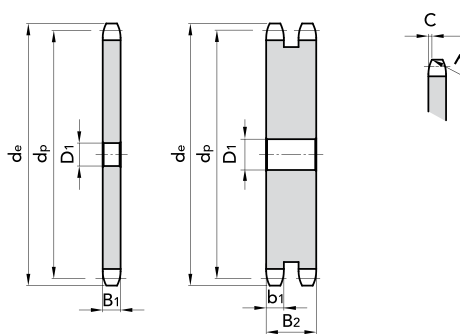
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 9,525 mm |
| Inner width | 4,77 mm  |
| Roller Ø    | 5,08 mm  |



Simple - Semplici 06-A-1

| Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 9   | 8              | 31,50          | 27,85          | 21103009 | 0,015 |
| 11  | 8              | 38,69          | 33,80          | 21103011 | 0,020 |
| 12  | 8              | 41,68          | 36,80          | 21103012 | 0,029 |
| 15  |                |                |                |          |       |
| 16  | 10             | 53,70          | 48,82          | 21103016 | 0,054 |
| 18  | 10             | 59,73          | 54,85          | 21103018 | 0,069 |
| 20  |                |                |                |          |       |
| 22  | 12             | 71,81          | 66,93          | 21103022 | 0,107 |
| 25  |                |                |                |          |       |
| 26  | 12             | 83,90          | 79,02          | 21103026 | 0,150 |
| 30  | 12             | 96,00          | 91,12          | 21103030 | 0,250 |
| 32  | 12             | 102,06         | 97,09          | 21103032 | 0,290 |
| 34  | 12             | 108,11         | 103,23         | 21103034 | 0,310 |
| 35  | 12             | 110,2          | 105,3          | 21103035 | 0,320 |
| 36  | 12             | 114,2          | 109,29         | 21103036 | 0,340 |
| 38  | 12             | 120,2          | 115,34         | 21103038 | 0,360 |
| 40  | 12             | 126,3          | 121,40         | 21103040 | 0,385 |
| 42  | 12             | 132,0          | 127,5          | 21103042 | 0,410 |
| 44  | 12             | 138,0          | 134,0          | 21103044 | 0,448 |
| 45  |                |                |                |          |       |
| 46  | 16             | 144,0          | 140,0          | 21103046 | 0,430 |
| 48  | 16             | 150,5          | 145,64         | 21103048 | 0,540 |
| 54  | 20             | 165,0          | 161,0          | 21103054 | 0,640 |
| 57  | 20             | 177,8          | 172,91         | 21103057 | 0,710 |
| 72  | 20             | 223,0          | 218,0          | 21103072 | 1,195 |
| 76  |                |                |                |          |       |
| 80  | 20             | 247,0          | 242,0          | 21103080 | 1,400 |
| 85  | 25             | 262,0          | 257,0          | 21103085 | 1,710 |
| 90  | 25             | 278,0          | 273,0          | 21103090 | 2,000 |
| 95  | 25             | 293,0          | 289,0          | 21103095 | 2,150 |
| 114 | 25             | 350,0          | 346,0          | 21103114 | 4,860 |
| 120 | 20             | 384,0          | 380,0          | 21103120 | 5,420 |

Double - Doppi 06-A-2

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 9  |                |                |                |          |       |
| 11 |                |                |                |          |       |
| 12 |                |                |                |          |       |
| 15 |                |                |                |          |       |
| 16 |                |                |                |          |       |
| 18 |                |                |                |          |       |
| 20 |                |                |                |          |       |
| 22 |                |                |                |          |       |
| 25 |                |                |                |          |       |
| 26 |                |                |                |          |       |
| 30 | 12             | 96             | 91,12          | 21203030 | 0,8   |
| 32 |                |                |                |          |       |
| 34 |                |                |                |          |       |
| 35 |                |                |                |          |       |
| 36 |                |                |                |          |       |
| 38 | 14             | 120,22         | 115,34         | 21203038 | 1     |
| 40 |                |                |                |          |       |
| 42 |                |                |                |          |       |
| 44 | 16             | 138,9          | 134,0          | 21203044 | 1,2   |
| 45 | 16             | 141,43         | 136,55         | 21203045 | 1,47  |
| 46 |                |                |                |          |       |
| 48 |                |                |                |          |       |
| 54 | 16             | 169,3          | 161,0          | 21203054 | 2,162 |
| 57 | 16             | 177,79         | 172,91         | 21203057 | 2,35  |
| 70 | 16             | 217,8          | 218,0          | 21203070 | 3,7   |
| 72 |                |                |                |          |       |
| 76 | 16             | 235,37         | 230,49         | 21203076 | 4,1   |



# pitch 1/2" x 5/16" (08-A)

**PLATEWHEEL**

|                      |         |
|----------------------|---------|
| <b>r<sub>3</sub></b> | 13,5 mm |
| <b>C</b>             | 1,6 mm  |
| <b>B<sub>1</sub></b> | 7,4 mm  |
| <b>b<sub>1</sub></b> | 7,2 mm  |
| <b>B<sub>2</sub></b> | 21,6 mm |
| <b>B<sub>3</sub></b> | 36,0 mm |

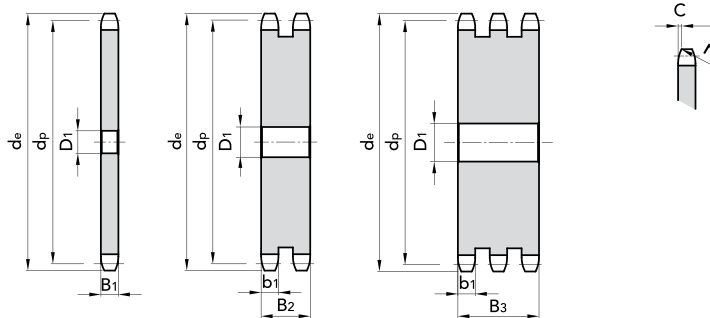
**CHAIN**

|             |          |
|-------------|----------|
| Pitch       | 12,70 mm |
| Inner width | 7,94 mm  |
| Roller Ø    | 7,94 mm  |

**MATERIAL**

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025


**Simple - Semplici 08-A-1**

| Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 8   | 8              | 38,00          | 33,00          | 21104008 | 0,035 |
| 9   |                |                |                |          |       |
| 11  |                |                |                |          |       |
| 12  |                |                |                |          |       |
| 13  | 10             | 59,63          | 52,68          | 21104013 | 0,102 |
| 14  |                |                |                |          |       |
| 17  |                |                |                |          |       |
| 19  |                |                |                |          |       |
| 20  | 12             | 87,70          | 81,20          | 21104020 | 0,260 |
| 21  |                |                |                |          |       |
| 22  | 12             | 95,80          | 89,24          | 21104022 | 0,315 |
| 23  | 12             | 99,85          | 93,05          | 21104023 | 0,340 |
| 25  | 14             | 107,88         | 101,34         | 21104025 | 0,400 |
| 26  | 14             | 111,94         | 105,36         | 21104026 | 0,500 |
| 30  |                |                |                |          |       |
| 31  |                |                |                |          |       |
| 32  |                |                |                |          |       |
| 33  | 16             | 140,62         | 133,4          | 21104033 | 0,730 |
| 36  | 16             | 152,28         | 145,72         | 21104036 | 0,880 |
| 37  | 16             | 156,30         | 149,8          | 21104037 | 1,045 |
| 38  | 16             | 160,40         | 153,79         | 21104038 | 1,080 |
| 40  |                |                |                |          |       |
| 41  | 20             | 173,04         | 165,91         | 21104041 | 1,146 |
| 42  | 20             | 176,50         | 169,94         | 21104042 | 1,200 |
| 44  | 20             | 185,19         | 178,0          | 21104044 | 1,325 |
| 45  | 20             | 188,62         | 181,95         | 21104045 | 1,390 |
| 46  |                |                |                |          |       |
| 48  | 20             | 200,70         | 194,18         | 21104048 | 1,588 |
| 50  | 20             | 209,48         | 202,3          | 21104050 | 1,727 |
| 54  | 20             | 226,00         | 219,0          | 21104054 | 2,024 |
| 57  | 20             | 237,10         | 230,54         | 21104057 | 2,210 |
| 72  | 20             | 207,60         | 290,2          | 21104072 | 3,630 |
| 76  | 20             | 313,90         | 307,32         | 21104076 | 4,100 |
| 80  | 20             | 331,00         | 324,0          | 21104080 | 4,489 |
| 85  | 20             | 350,20         | 343,7          | 21104085 | 5,095 |
| 90  |                |                |                |          |       |
| 95  | 20             | 390,70         | 384,11         | 21104095 | 6,387 |
| 114 | 20             | 465,00         | 461            | 21104114 | 9,240 |

**Double - Doppi 08-A-2**

| Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 8   |                |                |                |          |       |
| 9   |                |                |                |          |       |
| 11  |                |                |                |          |       |
| 12  | 10             | 41,70          | 36,80          | 21204012 | 0,210 |
| 13  |                |                |                |          |       |
| 14  |                |                |                |          |       |
| 17  |                |                |                |          |       |
| 19  |                |                |                |          |       |
| 20  |                |                |                |          |       |
| 21  |                |                |                |          |       |
| 22  |                |                |                |          |       |
| 23  |                |                |                |          |       |
| 25  |                |                |                |          |       |
| 26  |                |                |                |          |       |
| 30  |                |                |                |          |       |
| 31  |                |                |                |          |       |
| 32  |                |                |                |          |       |
| 33  |                |                |                |          |       |
| 36  | 20             | 152,28         | 145,72         | 21204036 | 2,300 |
| 37  |                |                |                |          |       |
| 38  | 20             | 160,40         | 153,79         | 21204038 | 2,780 |
| 40  | 20             | 168,43         | 161,87         | 21204040 | 3,000 |
| 41  |                |                |                |          |       |
| 42  |                |                |                |          |       |
| 44  | 20             | 185,19         | 178,00         | 21204044 | 3,600 |
| 45  | 20             | 188,62         | 181,95         | 21204045 | 3,900 |
| 46  |                |                |                |          |       |
| 48  |                |                |                |          |       |
| 50  | 20             | 209,48         | 202,3          | 21204050 | 4,980 |
| 54  |                |                |                |          |       |
| 57  | 25             | 237,10         | 230,54         | 21204057 | 5,450 |
| 72  |                |                |                |          |       |
| 76  | 25             | 313,90         | 307,32         | 21204076 | 12,00 |
| 80  |                |                |                |          |       |
| 85  |                |                |                |          |       |
| 90  |                |                |                |          |       |
| 95  | 25             | 390,67         | 384,11         | 21204095 | 22,40 |
| 114 | 25             | 467,40         | 461            | 21204114 | 31,85 |

**Triple - Tripli 08-A-3**

| Z   | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 8   |                |                |                |          |       |
| 9   |                |                |                |          |       |
| 11  |                |                |                |          |       |
| 12  |                |                |                |          |       |
| 13  |                |                |                |          |       |
| 14  |                |                |                |          |       |
| 17  |                |                |                |          |       |
| 19  |                |                |                |          |       |
| 20  | 16             | 87,70          | 81,20          | 21304020 | 1,10  |
| 21  |                |                |                |          |       |
| 22  |                |                |                |          |       |
| 23  |                |                |                |          |       |
| 25  |                |                |                |          |       |
| 26  |                |                |                |          |       |
| 30  | 20             | 128,06         | 121,50         | 21304030 | 3,00  |
| 31  |                |                |                |          |       |
| 32  |                |                |                |          |       |
| 33  |                |                |                |          |       |
| 36  |                |                |                |          |       |
| 37  |                |                |                |          |       |
| 38  | 25             | 160,40         | 153,79         | 21304038 | 4,00  |
| 40  | 25             | 168,43         | 161,87         | 21304040 | 4,84  |
| 41  |                |                |                |          |       |
| 42  |                |                |                |          |       |
| 44  |                |                |                |          |       |
| 45  | 25             | 188,62         | 181,95         | 21304045 | 6,00  |
| 46  |                |                |                |          |       |
| 48  | 25             | 200,70         | 194,18         | 21304048 | 7,00  |
| 50  | 25             | 209,48         | 202,30         | 21304050 | 8,19  |
| 54  |                |                |                |          |       |
| 57  | 25             | 237,10         | 230,54         | 21304057 | 10,00 |
| 72  |                |                |                |          |       |
| 76  | 25             | 313,90         | 307,32         | 21304076 | 20,00 |
| 80  |                |                |                |          |       |
| 85  |                |                |                |          |       |
| 90  |                |                |                |          |       |
| 95  |                |                |                |          |       |
| 114 |                |                |                |          |       |



## pitch 5/8" x 3/8" (10-A)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 17,0 mm |
| $C$   | 2,0 mm  |
| $B_1$ | 9,0 mm  |
| $b_1$ | 8,8 mm  |
| $B_2$ | 26,9 mm |
| $B_3$ | 45,0 mm |

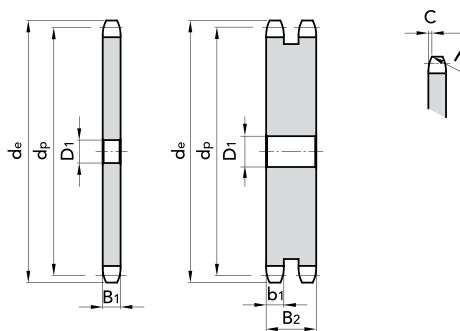
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,52 mm   |
| Roller Ø    | 10,16 mm  |



Simple - Semplici 10-A-1

| Z  | D <sub>i</sub> | d <sub>o</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  | 10             | 47,0           | 41,48          | 20115008 | 0,06 |
| 9  | 10             | 52,6           | 46,42          | 20115009 | 0,09 |
| 10 | 10             | 57,5           | 51,37          | 20115010 | 0,11 |
| 11 | 10             | 63,0           | 56,34          | 20115011 | 0,14 |
| 12 | 10             | 68,0           | 61,34          | 20115012 | 0,17 |
| 13 | 10             | 73,0           | 66,32          | 20115013 | 0,20 |
| 14 | 10             | 78,0           | 71,34          | 20115014 | 0,23 |
| 15 | 10             | 83,0           | 76,36          | 20115015 | 0,27 |
| 16 | 12             | 88,0           | 81,37          | 20115016 | 0,31 |
| 17 | 12             | 93,0           | 86,39          | 20115017 | 0,36 |
| 18 | 12             | 98,0           | 91,42          | 20115018 | 0,41 |
| 19 | 12             | 103,3          | 96,45          | 20115019 | 0,46 |
| 20 | 12             | 108,4          | 101,49         | 20115020 | 0,51 |
| 21 | 12             | 113,4          | 106,52         | 20115021 | 0,57 |
| 22 | 12             | 118,0          | 111,55         | 20115022 | 0,62 |
| 23 | 12             | 123,4          | 116,58         | 20115023 | 0,69 |
| 24 | 12             | 128,3          | 121,62         | 20115024 | 0,75 |
| 25 | 12             | 134,0          | 126,66         | 20115025 | 0,82 |
| 26 | 16             | 139,0          | 131,70         | 20115026 | 0,88 |
| 27 | 16             | 144,0          | 136,75         | 20115027 | 0,95 |
| 28 | 16             | 148,7          | 141,78         | 20115028 | 1,03 |
| 29 | 16             | 153,8          | 146,83         | 20115029 | 1,11 |
| 30 | 16             | 158,8          | 151,87         | 20115030 | 1,19 |
| 31 | 16             | 163,9          | 156,92         | 20115031 | 1,28 |
| 32 | 16             | 168,9          | 161,95         | 20115032 | 1,36 |
| 33 | 16             | 174,5          | 167,00         | 20115033 | 1,45 |
| 34 | 16             | 179,0          | 172,05         | 20115034 | 1,55 |
| 35 | 16             | 184,1          | 177,10         | 20115035 | 1,64 |
| 36 | 20             | 189,1          | 182,15         | 20115036 | 1,73 |
| 37 | 20             | 194,2          | 187,20         | 20115037 | 1,83 |
| 38 | 20             | 199,2          | 192,24         | 20115038 | 1,94 |
| 39 | 20             | 204,2          | 197,29         | 20115039 | 2,05 |
| 40 | 20             | 209,3          | 202,34         | 20115040 | 2,16 |
| 41 | 20             | 214,8          | 207,39         | 20115041 | 2,29 |
| 42 | 20             | 219,9          | 212,44         | 20115042 | 2,39 |
| 43 | 20             | 224,9          | 217,49         | 20115043 | 2,50 |

Double - Doppi 10-A-2

| Z  | D <sub>i</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.  |
|----|----------------|----------------|----------------|----------|------|
| 8  |                |                |                |          |      |
| 9  |                |                |                |          |      |
| 10 |                |                |                |          |      |
| 11 |                |                |                |          |      |
| 12 | 14             | 68,00          | 61,34          | 21205012 | 0,40 |
| 13 | 14             | 73,00          | 66,32          | 21205013 | 0,60 |
| 14 |                |                |                |          |      |
| 15 |                |                |                |          |      |
| 16 | 16             | 88,00          | 81,37          | 21205016 | 0,80 |
| 17 |                |                |                |          |      |
| 18 |                |                |                |          |      |
| 19 |                |                |                |          |      |
| 20 |                |                |                |          |      |
| 21 |                |                |                |          |      |
| 22 |                |                |                |          |      |
| 23 | 16             | 123,40         | 116,58         | 21205023 | 1,10 |
| 24 |                |                |                |          |      |
| 25 |                |                |                |          |      |
| 26 | 16             | 139,00         | 131,70         | 21205026 | 2,30 |
| 27 | 16             | 144,00         | 136,75         | 21205027 | 2,60 |
| 28 |                |                |                |          |      |
| 29 |                |                |                |          |      |
| 30 | 20             | 158,80         | 151,87         | 21205030 | 3,27 |
| 31 |                |                |                |          |      |
| 32 |                |                |                |          |      |
| 33 |                |                |                |          |      |
| 34 |                |                |                |          |      |
| 35 |                |                |                |          |      |
| 36 |                |                |                |          |      |
| 37 |                |                |                |          |      |
| 38 | 20             | 199,20         | 192,24         | 21205038 | 5,30 |
| 39 |                |                |                |          |      |
| 40 |                |                |                |          |      |
| 41 |                |                |                |          |      |
| 42 |                |                |                |          |      |
| 43 |                |                |                |          |      |

| Z   | D <sub>i</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 44  |                |                |                |          |       |
| 45  | 20             | 235,00         | 227,58         | 21205045 | 7,27  |
| 46  |                |                |                |          |       |
| 47  |                |                |                |          |       |
| 48  |                |                |                |          |       |
| 49  |                |                |                |          |       |
| 50  |                |                |                |          |       |
| 51  |                |                |                |          |       |
| 52  |                |                |                |          |       |
| 53  |                |                |                |          |       |
| 54  |                |                |                |          |       |
| 55  |                |                |                |          |       |
| 56  |                |                |                |          |       |
| 57  | 25             | 296,00         | 288,18         | 21205057 | 13,00 |
| 58  |                |                |                |          |       |
| 59  |                |                |                |          |       |
| 60  |                |                |                |          |       |
| 62  |                |                |                |          |       |
| 64  |                |                |                |          |       |
| 65  |                |                |                |          |       |
| 66  |                |                |                |          |       |
| 68  |                |                |                |          |       |
| 70  |                |                |                |          |       |
| 72  | 25             | 371,90         | 363,95         | 21205072 | 20,60 |
| 75  |                |                |                |          |       |
| 76  | 25             | 392,10         | 384,16         | 21205076 | 22,00 |
| 78  |                |                |                |          |       |
| 80  |                |                |                |          |       |
| 85  |                |                |                |          |       |
| 90  |                |                |                |          |       |
| 95  |                |                |                |          |       |
| 100 |                |                |                |          |       |
| 110 |                |                |                |          |       |
| 114 |                |                |                |          |       |
| 120 |                |                |                |          |       |
| 125 |                |                |                |          |       |



## pitch 5/8" x 3/8" (10-A)

**PLATEWHEEL**

|                      |         |
|----------------------|---------|
| <b>r<sub>3</sub></b> | 17,0 mm |
| <b>C</b>             | 2,0 mm  |
| <b>B<sub>1</sub></b> | 9,0 mm  |
| <b>b<sub>1</sub></b> | 8,8 mm  |
| <b>B<sub>2</sub></b> | 26,9 mm |
| <b>B<sub>3</sub></b> | 45,0 mm |

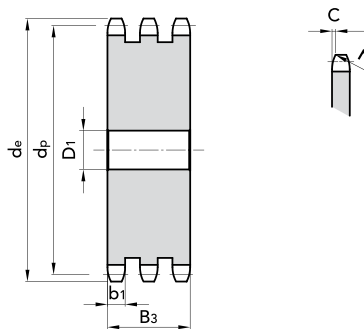
**CHAIN**

|             |           |
|-------------|-----------|
| Pitch       | 15,875 mm |
| Inner width | 9,52 mm   |
| Roller Ø    | 10,16 mm  |

**MATERIAL**

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025


**Triple - Tripli 10-A-3**

| Z  | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 8  |                |                |                |          |       |
| 9  |                |                |                |          |       |
| 10 |                |                |                |          |       |
| 11 |                |                |                |          |       |
| 12 |                |                |                |          |       |
| 13 |                |                |                |          |       |
| 14 |                |                |                |          |       |
| 15 |                |                |                |          |       |
| 16 |                |                |                |          |       |
| 17 |                |                |                |          |       |
| 18 |                |                |                |          |       |
| 19 |                |                |                |          |       |
| 20 |                |                |                |          |       |
| 21 |                |                |                |          |       |
| 22 |                |                |                |          |       |
| 23 |                |                |                |          |       |
| 24 |                |                |                |          |       |
| 25 | 20             | 134,0          | 126,66         | 21305025 | 3,7   |
| 26 |                |                |                |          |       |
| 27 |                |                |                |          |       |
| 28 |                |                |                |          |       |
| 29 |                |                |                |          |       |
| 30 | 20             | 158,8          | 151,87         | 21305030 | 5,00  |
| 31 |                |                |                |          |       |
| 32 | 20             | 168,9          | 161,95         | 21305032 | 6,10  |
| 33 |                |                |                |          |       |
| 34 |                |                |                |          |       |
| 35 |                |                |                |          |       |
| 36 |                |                |                |          |       |
| 37 |                |                |                |          |       |
| 38 | 25             | 199,2          | 192,24         | 21305038 | 8,90  |
| 39 |                |                |                |          |       |
| 40 |                |                |                |          |       |
| 41 | 25             | 214,8          | 207,39         | 21305041 | 10,67 |
| 42 | 25             | 219,9          | 212,44         | 21305042 | 12,00 |
| 43 |                |                |                |          |       |

| Z   | D <sub>1</sub> | d <sub>0</sub> | d <sub>p</sub> | CODE     | Kg.   |
|-----|----------------|----------------|----------------|----------|-------|
| 44  | 25             | 230,0          | 222,53         | 21305044 | 13,00 |
| 45  | 25             | 235,0          | 227,58         | 21305045 | 15,00 |
| 46  |                |                |                |          |       |
| 47  |                |                |                |          |       |
| 48  |                |                |                |          |       |
| 49  |                |                |                |          |       |
| 50  | 25             | 260,3          | 252,82         | 21305050 | 16,03 |
| 51  |                |                |                |          |       |
| 52  |                |                |                |          |       |
| 53  |                |                |                |          |       |
| 54  |                |                |                |          |       |
| 55  |                |                |                |          |       |
| 56  |                |                |                |          |       |
| 57  | 25             | 296,0          | 288,18         | 21305057 | 20,95 |
| 58  |                |                |                |          |       |
| 59  |                |                |                |          |       |
| 60  |                |                |                |          |       |
| 62  |                |                |                |          |       |
| 64  |                |                |                |          |       |
| 65  |                |                |                |          |       |
| 66  |                |                |                |          |       |
| 68  |                |                |                |          |       |
| 70  |                |                |                |          |       |
| 72  |                |                |                |          |       |
| 75  |                |                |                |          |       |
| 76  | 30             | 392,1          | 384,16         | 21305076 | 25,00 |
| 78  |                |                |                |          |       |
| 80  |                |                |                |          |       |
| 85  |                |                |                |          |       |
| 90  |                |                |                |          |       |
| 95  |                |                |                |          |       |
| 100 |                |                |                |          |       |
| 110 |                |                |                |          |       |
| 114 |                |                |                |          |       |
| 120 |                |                |                |          |       |
| 125 |                |                |                |          |       |



## pitch 3/4" x 1/2" (12-A)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 20,0 mm |
| $C$   | 2,4 mm  |
| $B_1$ | 12,0 mm |
| $b_1$ | 11,8 mm |
| $B_2$ | 34,6 mm |
| $B_3$ | 57,4 mm |

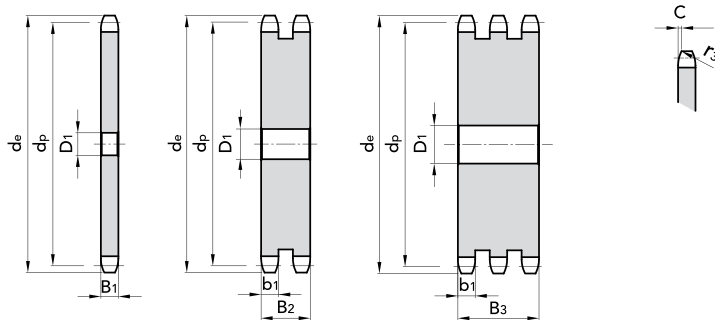
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 19,05 mm |
| Inner width | 12,70 mm |
| Roller Ø    | 11,91 mm |



| Simple - Semplici 12-A-1 |                |                |                |          |       |
|--------------------------|----------------|----------------|----------------|----------|-------|
| Z                        | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
| 8                        |                |                |                |          |       |
| 9                        | 10             | 64,0           | 55,0           | 21106009 | 0,167 |
| 10                       | 12             | 71,54          | 61,65          | 21106010 | 0,210 |
| 11                       |                |                |                |          |       |
| 12                       | 12             | 83,5           | 73,6           | 21106012 | 0,314 |
| 13                       | 14             | 89,6           | 79,6           | 21106013 | 0,375 |
| 14                       | 14             | 95,5           | 85,7           | 21106014 | 0,440 |
| 15                       |                |                |                |          |       |
| 16                       |                |                |                |          |       |
| 17                       | 16             | 113,6          | 103,7          | 21106017 | 0,670 |
| 18                       |                |                |                |          |       |
| 19                       |                |                |                |          |       |
| 20                       |                |                |                |          |       |
| 21                       |                |                |                |          |       |
| 22                       |                |                |                |          |       |
| 26                       |                |                |                |          |       |
| 27                       |                |                |                |          |       |
| 28                       |                |                |                |          |       |
| 30                       |                |                |                |          |       |
| 31                       | 20             | 196,7          | 188,3          | 21106031 | 2,350 |
| 32                       |                |                |                |          |       |
| 33                       | 20             | 208,9          | 200,5          | 21106033 | 2,600 |
| 34                       | 20             | 204,7          | 206,7          | 21106034 | 2,840 |
| 38                       | 20             | 240,6          | 230,69         | 21106038 | 3,200 |
| 40                       | 20             | 252,7          | 242,80         | 21106040 | 3,950 |
| 42                       | 25             | 265            | 255            | 21106042 | 4,350 |
| 44                       | 25             | 277,2          | 267,3          | 21106044 | 4,800 |
| 45                       |                |                |                |          |       |
| 46                       | 25             | 289,4          | 279,3          | 21106046 | 5,240 |
| 48                       | 25             | 301,2          | 291,27         | 21106048 | 5,770 |
| 57                       | 25             | 355,7          | 345,81         | 21106057 | 8,010 |
| 72                       | 30             | 447            | 437            | 21106072 | 13,09 |
| 76                       | 30             | 470,87         | 460,98         | 21106076 | 14,62 |
| 90                       |                |                |                |          |       |
| 95                       |                |                |                |          |       |

| Double - Doppi 12-A-2 |                |                |                |          |       |
|-----------------------|----------------|----------------|----------------|----------|-------|
| Z                     | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
| 8                     |                |                |                |          |       |
| 9                     |                |                |                |          |       |
| 10                    | 16             | 71,54          | 61,65          | 21206010 | 0,50  |
| 11                    |                |                |                |          |       |
| 12                    |                |                |                |          |       |
| 13                    |                |                |                |          |       |
| 14                    |                |                |                |          |       |
| 15                    | 16             | 101,52         | 91,12          | 21206015 | 1,31  |
| 16                    |                |                |                |          |       |
| 17                    |                |                |                |          |       |
| 18                    |                |                |                |          |       |
| 19                    |                |                |                |          |       |
| 20                    |                |                |                |          |       |
| 21                    | 20             | 137,11         | 127,46         | 21206021 | 2,84  |
| 22                    |                |                |                |          |       |
| 26                    |                |                |                |          |       |
| 27                    |                |                |                |          |       |
| 28                    | 20             | 180,03         | 170,1          | 21206028 | 4,00  |
| 30                    |                |                |                |          |       |
| 31                    |                |                |                |          |       |
| 32                    |                |                |                |          |       |
| 33                    |                |                |                |          |       |
| 34                    |                |                |                |          |       |
| 38                    | 25             | 240,60         | 230,69         | 21206038 | 10,60 |
| 40                    | 25             | 252,70         | 242,80         | 21206040 | 11,20 |
| 42                    |                |                |                |          |       |
| 44                    |                |                |                |          |       |
| 45                    | 25             | 282,98         | 273,09         | 21206045 | 14,20 |
| 46                    |                |                |                |          |       |
| 48                    |                |                |                |          |       |
| 57                    | 25             | 355,70         | 345,81         | 21206057 | 23,65 |
| 72                    |                |                |                |          |       |
| 76                    | 30             | 470,87         | 460,98         | 21206076 | 45,00 |
| 90                    |                |                |                |          |       |
| 95                    | 30             | 586,06         | 576,17         | 21206095 | 66,90 |

| Triple - Tripli 12-A-3 |                |                |                |          |       |
|------------------------|----------------|----------------|----------------|----------|-------|
| Z                      | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
| 8                      |                |                |                |          |       |
| 9                      |                |                |                |          |       |
| 10                     |                |                |                |          |       |
| 11                     |                |                |                |          |       |
| 12                     |                |                |                |          |       |
| 13                     | 16             | 89,60          | 79,60          | 21306013 | 1,00  |
| 14                     | 16             | 95,5           | 85,70          | 21306014 | 1,91  |
| 15                     |                |                |                |          |       |
| 16                     |                |                |                |          |       |
| 17                     |                |                |                |          |       |
| 18                     | 20             | 119,60         | 109,71         | 21306018 | 3,31  |
| 19                     |                |                |                |          |       |
| 20                     | 20             | 131,67         | 121,78         | 21306020 | 4,00  |
| 21                     | 20             | 137,11         | 127,46         | 21306021 | 5,00  |
| 22                     | 20             | 142,21         | 133,86         | 21306022 | 6,00  |
| 26                     |                |                |                |          |       |
| 27                     |                |                |                |          |       |
| 28                     |                |                |                |          |       |
| 30                     | 20             | 192,14         | 182,25         | 21306030 | 10,0  |
| 31                     |                |                |                |          |       |
| 32                     |                |                |                |          |       |
| 33                     |                |                |                |          |       |
| 34                     |                |                |                |          |       |
| 38                     | 25             | 240,6          | 230,69         | 21306038 | 13,00 |
| 40                     |                |                |                |          |       |
| 42                     |                |                |                |          |       |
| 44                     |                |                |                |          |       |
| 45                     | 25             | 282,98         | 273,09         | 21306045 | 24,00 |
| 46                     |                |                |                |          |       |
| 48                     | 25             | 301,2          | 291,27         | 21306048 | 26,00 |
| 57                     | 30             | 355,70         | 345,81         | 21306057 | 37,57 |
| 72                     |                |                |                |          |       |
| 76                     | 30             | 470,87         | 460,98         | 21306076 | 70,32 |
| 90                     |                |                |                |          |       |
| 95                     |                |                |                |          |       |





# pitch 1" x 5/8" (16-A)

**PLATEWHEEL**

|       |         |
|-------|---------|
| $r_3$ | 27,0 mm |
| $C$   | 3,2 mm  |
| $B_1$ | 15,0 mm |
| $b_1$ | 14,7 mm |
| $B_2$ | 44,0 mm |
| $B_3$ | 73,3 mm |

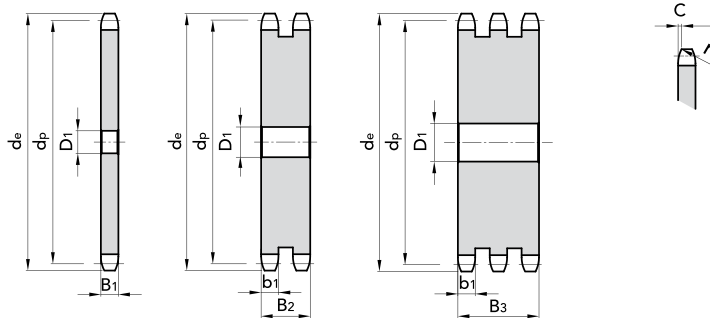
**CHAIN**

|             |          |
|-------------|----------|
| Pitch       | 25,40 mm |
| Inner width | 15,88 mm |
| Roller Ø    | 15,88 mm |

**MATERIAL**

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025


**Simple - Semplici 16-A-1**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
|----|----------------|----------------|----------------|----------|-------|
| 9  | 15             | 85,8           | 74,26          | 21108009 | 0,30  |
| 10 | 15             | 95,3           | 82,20          | 21108010 | 0,40  |
| 11 | 15             | 103,3          | 90,14          | 21108011 | 0,60  |
| 12 | 15             | 111,3          | 98,14          | 21108012 | 0,68  |
| 13 | 15             | 119,3          | 106,12         | 21108013 | 0,75  |
| 14 | 15             | 127,3          | 114,15         | 21108014 | 0,98  |
| 15 | 15             | 135,3          | 122,17         | 21108015 | 1,10  |
| 16 | 19             | 143,3          | 130,20         | 21108016 | 1,35  |
| 17 | 19             | 151,4          | 138,22         | 21108017 | 1,49  |
| 18 | 19             | 159,4          | 146,28         | 21108018 | 1,90  |
| 19 | 19             | 167,4          | 154,33         | 21108019 | 2,00  |
| 20 | 19             | 175,5          | 162,38         | 21108020 | 2,25  |
| 21 | 20             | 183,5          | 170,43         | 21108021 | 2,60  |
| 22 | 20             | 191,6          | 178,48         | 21108022 | 2,90  |
| 23 | 20             | 199,7          | 186,53         | 21108023 | 3,10  |
| 24 | 20             | 207,7          | 194,59         | 21108024 | 3,30  |
| 25 | 20             | 215,8          | 202,66         | 21108025 | 3,50  |
| 26 | 20             | 223,8          | 210,72         | 21108026 | 3,70  |
| 27 | 20             | 231,9          | 218,79         | 21108027 | 3,93  |
| 28 | 20             | 240,0          | 226,85         | 21108028 | 4,20  |
| 29 |                |                |                |          |       |
| 30 | 20             | 256,1          | 243,00         | 21108030 | 4,60  |
| 31 |                |                |                |          |       |
| 32 | 25             | 272,26         | 259,13         | 21108032 | 5,50  |
| 34 |                |                |                |          |       |
| 35 | 25             | 296,48         | 283,36         | 21108035 | 7,00  |
| 38 | 25             | 320,70         | 307,59         | 21108038 | 8,00  |
| 39 | 25             | 327,2          | 315,6          | 21108039 | 8,70  |
| 41 |                |                |                |          |       |
| 45 | 25             | 377,24         | 364,12         | 21108045 | 12,00 |
| 48 |                |                |                |          |       |
| 50 | 25             | 417,64         | 404,52         | 21108050 | 14,00 |
| 54 |                |                |                |          |       |
| 57 | 25             | 474,20         | 461,08         | 21108057 | 22,00 |
| 72 |                |                |                |          |       |
| 76 | 25             | 627,80         | 614,64         | 21108076 | 30,00 |
| 80 | 30             | 660,7          | 646,96         | 21108080 | 34,00 |
| 90 |                |                |                |          |       |

**Double - Doppi 16-A-2**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 9  |                |                |                |          |        |
| 10 |                |                |                |          |        |
| 11 |                |                |                |          |        |
| 12 |                |                |                |          |        |
| 13 | 20             | 119,26         | 106,12         | 21208013 | 2,00   |
| 14 | 20             | 127,27         | 114,15         | 21208014 | 2,59   |
| 15 | 20             | 135,29         | 122,17         | 21208015 | 3,50   |
| 16 |                |                |                |          |        |
| 17 |                |                |                |          |        |
| 18 |                |                |                |          |        |
| 19 |                |                |                |          |        |
| 20 |                |                |                |          |        |
| 21 |                |                |                |          |        |
| 22 |                |                |                |          |        |
| 23 |                |                |                |          |        |
| 24 |                |                |                |          |        |
| 25 | 25             | 215,78         | 202,66         | 21208025 | 9,20   |
| 26 |                |                |                |          |        |
| 27 |                |                |                |          |        |
| 28 |                |                |                |          |        |
| 29 |                |                |                |          |        |
| 30 | 25             | 256,12         | 243,00         | 21208030 | 13,85  |
| 31 |                |                |                |          |        |
| 32 | 25             | 272,26         | 259,13         | 21208032 | 15,80  |
| 34 | 25             | 286,9          | 275,28         | 21208034 | 17,00  |
| 35 |                |                |                |          |        |
| 38 | 25             | 320,70         | 307,59         | 21208038 | 22,77  |
| 39 |                |                |                |          |        |
| 41 |                |                |                |          |        |
| 45 | 25             | 377,24         | 364,12         | 21208045 | 32,50  |
| 48 | 25             | 402,1          | 388,36         | 21208048 | 38,00  |
| 50 |                |                |                |          |        |
| 54 |                |                |                |          |        |
| 57 | 25             | 474,20         | 461,08         | 21208057 | 52,75  |
| 72 |                |                |                |          |        |
| 76 | 25             | 627,80         | 614,64         | 21208076 | 90,00  |
| 80 |                |                |                |          |        |
| 90 | 30             | 741,6          | 727,81         | 21208090 | 135,00 |

**Triple - Tripli 16-A-3**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 9  |                |                |                |          |        |
| 10 |                |                |                |          |        |
| 11 |                |                |                |          |        |
| 12 |                |                |                |          |        |
| 13 |                |                |                |          |        |
| 14 |                |                |                |          |        |
| 15 | 25             | 135,3          | 122,17         | 21308015 | 4,90   |
| 16 |                |                |                |          |        |
| 17 |                |                |                |          |        |
| 18 |                |                |                |          |        |
| 19 |                |                |                |          |        |
| 20 |                |                |                |          |        |
| 21 |                |                |                |          |        |
| 22 |                |                |                |          |        |
| 23 |                |                |                |          |        |
| 24 |                |                |                |          |        |
| 25 | 30             | 215,8          | 202,66         | 21308025 | 15,20  |
| 26 | 30             | 223,8          | 210,72         | 21308026 | 16,00  |
| 27 | 30             | 231,9          | 218,79         | 21308027 | 18,00  |
| 28 |                |                |                |          |        |
| 29 |                |                |                |          |        |
| 30 | 30             | 256,1          | 243,00         | 21308030 | 27,63  |
| 31 |                |                |                |          |        |
| 32 |                |                |                |          |        |
| 34 |                |                |                |          |        |
| 35 |                |                |                |          |        |
| 38 | 30             | 320,70         | 307,59         | 21308038 | 37,70  |
| 39 |                |                |                |          |        |
| 40 | 30             | 335,3          | 323,73         | 21308040 | 41,80  |
| 45 | 30             | 377,24         | 364,12         | 21308045 | 53,63  |
| 48 |                |                |                |          |        |
| 50 |                |                |                |          |        |
| 54 |                |                |                |          |        |
| 57 | 40             | 474,20         | 461,08         | 21308057 | 80,00  |
| 72 |                |                |                |          |        |
| 76 | 40             | 627,80         | 614,64         | 21308076 | 160,00 |
| 80 |                |                |                |          |        |
| 90 |                |                |                |          |        |



## pitch 1" 1/4 x 3/4" (20-A)

### PLATEWHEEL

|       |         |
|-------|---------|
| $r_3$ | 33,5 mm |
| $C$   | 4,0 mm  |
| $B_1$ | 18,0 mm |
| $b_1$ | 17,7 mm |
| $B_2$ | 53,5 mm |
| $B_3$ | 89,2 mm |

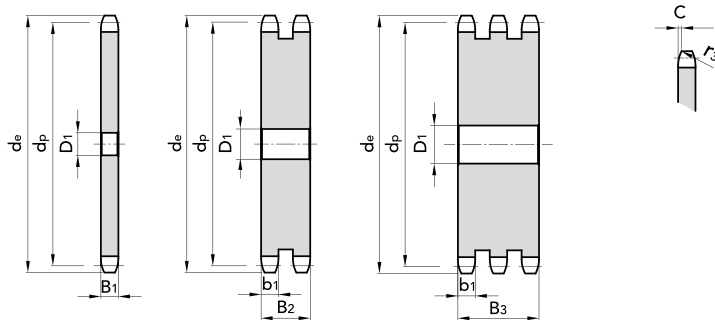
### MATERIAL

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

### CHAIN

|             |          |
|-------------|----------|
| Pitch       | 31,75 mm |
| Inner width | 19,05 mm |
| Roller Ø    | 19,05 mm |



| Simple - Semplici 20-A-1 |                |                |                |          |       | Double - Doppi 20A-2 |                |                |                |          |        | Triple - Tripli 20-A-3 |                |                |                |          |       |
|--------------------------|----------------|----------------|----------------|----------|-------|----------------------|----------------|----------------|----------------|----------|--------|------------------------|----------------|----------------|----------------|----------|-------|
| Z                        | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   | Z                    | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    | Z                      | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.   |
| 8                        | 16             | 98,10          | 82,96          |          |       | 8                    |                |                |                |          |        | 8                      |                |                |                |          |       |
| 9                        | 16             | 108,0          | 92,84          |          |       | 9                    |                |                |                |          |        | 9                      |                |                |                |          |       |
| 10                       | 16             | 117,9          | 102,74         | 21110010 | 1,29  | 10                   |                |                |                |          |        | 10                     |                |                |                |          |       |
| 11                       | 16             | 127,8          | 112,68         |          |       | 11                   |                |                |                |          |        | 11                     |                |                |                |          |       |
| 12                       | 20             | 137,8          | 122,68         | 21110012 | 2,00  | 12                   |                |                |                |          |        | 12                     | 20             | 137,8          | 122,68         | 21310012 | 5,65  |
| 13                       | 20             | 147,8          | 132,65         |          |       | 13                   |                |                |                |          |        | 13                     |                |                |                |          |       |
| 14                       | 20             | 157,8          | 142,68         |          |       | 14                   |                |                |                |          |        | 14                     | 30             | 157,8          | 142,68         | 21310014 | 8,00  |
| 15                       | 20             | 167,9          | 152,72         | 21110015 | 2,30  | 15                   |                |                |                |          |        | 15                     | 25             | 167,9          | 152,72         | 21310015 | 9,61  |
| 16                       | 25             | 177,9          | 162,75         |          |       | 16                   |                |                |                |          |        | 16                     |                |                |                |          |       |
| 17                       | 25             | 187,9          | 172,78         |          |       | 17                   |                |                |                |          |        | 17                     |                |                |                |          |       |
| 18                       | 25             | 198,0          | 182,85         |          |       | 18                   |                |                |                |          |        | 18                     |                |                |                |          |       |
| 19                       | 25             | 208,1          | 192,91         |          |       | 19                   |                |                |                |          |        | 19                     | 25             | 208,1          | 192,91         | 21310019 | 16,08 |
| 20                       | 25             | 218,1          | 202,95         | 21110020 | 4,50  | 20                   |                |                |                |          |        | 20                     |                |                |                |          |       |
| 21                       | 25             | 228,2          | 213,04         |          |       | 21                   |                |                |                |          |        | 21                     |                |                |                |          |       |
| 22                       | 25             | 238,3          | 223,11         | 21110022 | 4,76  | 22                   |                |                |                |          |        | 22                     |                |                |                |          |       |
| 23                       | 25             | 248,3          | 233,17         |          |       | 23                   |                |                |                |          |        | 23                     |                |                |                |          |       |
| 24                       | 25             | 258,4          | 243,23         | 21110024 | 5,61  | 24                   | 25             | 258,40         | 243,23         | 21210024 | 16,50  | 24                     |                |                |                |          |       |
| 25                       | 25             | 268,5          | 253,33         | 21110025 | 6,05  | 25                   | 25             | 268,50         | 253,33         | 21210025 | 18,00  | 25                     | 25             | 268,5          | 253,33         | 21310025 | 20,00 |
| 26                       | 25             | 278,6          | 263,40         |          |       | 26                   |                |                |                |          |        | 26                     |                |                |                |          |       |
| 27                       | 25             | 289,6          | 273,40         |          |       | 27                   |                |                |                |          |        | 27                     |                |                |                |          |       |
| 28                       | 25             | 299,7          | 283,56         | 21110028 | 7,00  | 28                   |                |                |                |          |        | 28                     |                |                |                |          |       |
| 29                       | 25             | 309,8          | 293,65         |          |       | 29                   |                |                |                |          |        | 29                     |                |                |                |          |       |
| 30                       | 25             | 319,9          | 303,75         | 21110030 | 9,45  | 30                   | 25             | 319,9          | 303,75         | 21210030 | 27,00  | 30                     | 25             | 319,9          | 303,75         | 21310030 | 43,96 |
| 31                       |                |                |                |          |       | 31                   |                |                |                |          |        | 31                     |                |                |                |          |       |
| 32                       | 25             | 340,1          | 323,91         | 21110032 | 10,25 | 32                   |                |                |                |          |        | 32                     |                |                |                |          |       |
| 33                       |                |                |                |          |       | 33                   |                |                |                |          |        | 33                     |                |                |                |          |       |
| 34                       |                |                |                |          |       | 34                   |                |                |                |          |        | 34                     |                |                |                |          |       |
| 35                       | 25             | 370,4          | 354,20         | 21110035 | 16,00 | 35                   |                |                |                |          |        | 35                     |                |                |                |          |       |
| 36                       |                |                |                |          |       | 36                   |                |                |                |          |        | 36                     |                |                |                |          |       |
| 37                       |                |                |                |          |       | 37                   |                |                |                |          |        | 37                     |                |                |                |          |       |
| 38                       | 25             | 400,6          | 384,49         | 21110038 | 18,00 | 38                   | 30             | 400,6          | 384,49         | 21210038 | 35,00  | 38                     |                |                |                |          |       |
| 39                       |                |                |                |          |       | 39                   |                |                |                |          |        | 39                     |                |                |                |          |       |
| 40                       |                |                |                |          |       | 40                   |                |                |                |          |        | 40                     | 30             | 420,8          | 404,68         | 21310040 | 65,00 |
| 42                       |                |                |                |          |       | 42                   | 30             | 440,8          | 424,88         | 21210042 | 45,00  | 42                     |                |                |                |          |       |
| 45                       | 30             | 471,3          | 455,17         | 21110045 | 21,45 | 45                   | 30             | 471,3          | 455,17         | 21210045 | 62,15  | 45                     |                |                |                |          |       |
| 50                       |                |                |                |          |       | 50                   |                |                |                |          |        | 50                     |                |                |                |          |       |
| 57                       | 30             | 592,5          | 576,36         | 21110057 | 25,00 | 57                   | 30             | 592,5          | 576,36         | 21210057 | 102,00 | 57                     |                |                |                |          |       |



## pitch 1" 1/2 x 1" (24-A)

**PLATEWHEEL**

|       |         |
|-------|---------|
| $r_3$ | 40,5 mm |
| $C$   | 4,8 mm  |
| $B_1$ | 24,1 mm |
| $b_1$ | 23,6 mm |
| $B_2$ | 69,0 mm |

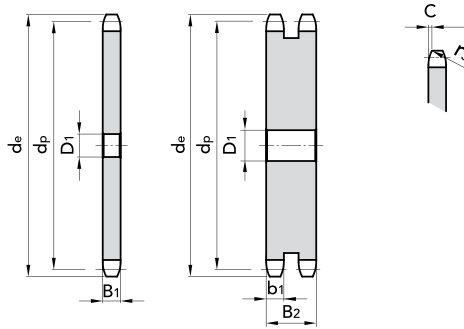
**MATERIAL**

MATERIAL C45 EN 10083

MATERIAL S235 JR EN 10025

**CHAIN**

|             |          |
|-------------|----------|
| Pitch       | 38,10 mm |
| Inner width | 25,40 mm |
| Roller Ø    | 22,22 mm |


**Simple - Semplici 24-A-1**

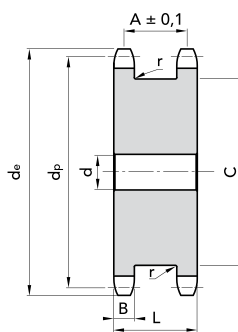
| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  |                |                |                |          |        |
| 9  |                |                |                |          |        |
| 10 |                |                |                |          |        |
| 11 |                |                |                |          |        |
| 13 |                |                |                |          |        |
| 14 |                |                |                |          |        |
| 16 | 25             | 214,77         | 195,29         | 21112016 | 4,70   |
| 17 | 25             | 226,83         | 207,35         | 21112017 | 5,30   |
| 18 | 25             | 238,89         | 219,41         | 21112018 | 6,00   |
| 19 |                |                |                |          |        |
| 20 | 25             | 263,03         | 243,55         | 21112020 | 7,70   |
| 21 |                |                |                |          |        |
| 22 |                |                |                |          |        |
| 23 |                |                |                |          |        |
| 24 |                |                |                |          |        |
| 25 | 25             | 323,47         | 303,99         | 21112025 | 12,02  |
| 30 | 30             | 383,97         | 364,49         | 21112030 | 17,50  |
| 32 | 30             | 408,19         | 388,71         | 21112032 | 20,60  |
| 35 |                |                |                |          |        |
| 38 | 30             | 480,85         | 461,37         | 21112038 | 28,00  |
| 41 | 30             | 513,5          | 497,74         | 21112041 | 33,85  |
| 42 |                |                |                |          |        |
| 45 | 30             | 565,67         | 546,19         | 21112045 | 42,00  |
| 54 | 30             | 671            | 655,25         | 21112054 | 72,00  |
| 57 |                |                |                |          |        |
| 76 | 40             | 931            | 921,98         | 21112076 | 120,00 |

**Double - Doppi 24-A-2**

| Z  | D <sub>1</sub> | d <sub>e</sub> | d <sub>p</sub> | CODE     | Kg.    |
|----|----------------|----------------|----------------|----------|--------|
| 8  |                |                |                |          |        |
| 9  |                |                |                |          |        |
| 10 | 25             | 142,77         | 123,29         | 21212010 | 6,00   |
| 11 |                |                |                |          |        |
| 13 |                |                |                |          |        |
| 14 | 25             | 190,7          | 171,22         | 21212014 | 8,00   |
| 16 |                |                |                |          |        |
| 17 | 25             | 226,83         | 207,35         | 21212017 | 14,37  |
| 18 | 25             | 238,89         | 219,41         | 21212018 | 16,30  |
| 19 |                |                |                |          |        |
| 20 | 25             | 263,03         | 243,55         | 21212020 | 20,00  |
| 21 | 25             | 270,6          | 255,65         | 21212021 | 23,75  |
| 22 |                |                |                |          |        |
| 23 | 25             | 294,8          | 279,8          | 21212023 | 29,03  |
| 24 | 25             | 306,8          | 291,88         | 21212024 | 32,9   |
| 25 | 25             | 323,47         | 303,99         | 21212025 | 33,50  |
| 30 | 30             | 383,97         | 364,49         | 21212030 | 49,10  |
| 32 |                |                |                |          |        |
| 35 |                |                |                |          |        |
| 38 | 30             | 480,85         | 461,37         | 21212038 | 81,45  |
| 41 |                |                |                |          |        |
| 42 |                |                |                |          |        |
| 45 | 40             | 565,67         | 546,19         | 21212045 | 115,00 |
| 54 |                |                |                |          |        |
| 57 | 40             | 711,1          | 691,62         | 21212057 | 188,90 |
| 76 |                |                |                |          |        |



**MATERIAL**  
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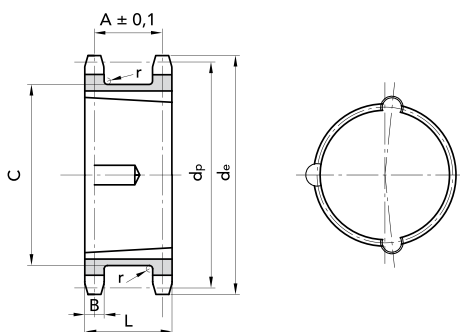


| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d  | A    | B h14 | C max | L    | r   | Kg.  |
|--------------------------------|----|----------|----------------|----------------|----|------|-------|-------|------|-----|------|
| 3/8" x 7/32" R. 6.35<br>06B-1  | 13 | 23209013 | 43,45          | 39,8           | 10 | 20,3 | 5,3   | 28    | 25,5 | 0,4 | 0,14 |
|                                | 15 | 23209015 | 49,46          | 45,81          | 10 | 20,3 | 5,3   | 34    | 25,5 | 0,4 | 0,20 |
|                                | 17 | 23209017 | 55,49          | 51,84          | 12 | 20,3 | 5,3   | 40    | 25,5 | 0,4 | 0,26 |
|                                | 18 | 23209018 | 58,50          | 54,85          | 12 | 20,3 | 5,3   | 43    | 25,5 | 0,4 | 0,30 |
|                                | 19 | 23209019 | 61,52          | 57,87          | 12 | 20,3 | 5,3   | 46    | 25,5 | 0,4 | 0,34 |
|                                | 20 | 23209020 | 54,3           | 60,89          | 12 | 20,3 | 5,3   | 49    | 25,5 | 0,4 | 0,38 |
|                                | 21 | 23209021 | 67,56          | 63,91          | 15 | 20,3 | 5,3   | 52    | 25,5 | 0,4 | 0,43 |
|                                | 23 | 23209023 | 73,6           | 69,95          | 15 | 20,3 | 5,3   | 59    | 25,5 | 0,4 | 0,54 |
|                                | 25 | 23209025 | 79,65          | 76             | 15 | 20,3 | 5,3   | 65    | 25,5 | 0,4 | 0,65 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d  | A    | B h14 | C max | L    | r   | Kg.  |
| 1/2" x 5/16" R. 8.51<br>08B-1  | 13 | 23212013 | 57,40          | 53,06          | 12 | 24,8 | 7,2   | 37    | 32   | 0,6 | 0,27 |
|                                | 15 | 23212015 | 65,57          | 61,08          | 12 | 24,8 | 7,2   | 45    | 32   | 0,6 | 0,47 |
|                                | 17 | 23212017 | 73,61          | 69,11          | 12 | 24,8 | 7,2   | 53    | 32   | 0,6 | 0,64 |
|                                | 18 | 23212018 | 77,8           | 73,14          | 12 | 24,8 | 7,2   | 57    | 32   | 0,6 | 0,73 |
|                                | 19 | 23212019 | 81,65          | 77,16          | 12 | 24,8 | 7,2   | 62    | 32   | 0,6 | 0,84 |
|                                | 20 | 23212020 | 85,8           | 81,19          | 12 | 24,8 | 7,2   | 65    | 32   | 0,6 | 0,93 |
|                                | 21 | 23212021 | 89,7           | 85,21          | 15 | 24,8 | 7,2   | 70    | 32   | 0,6 | 1,03 |
|                                | 23 | 23212023 | 98,02          | 93,27          | 15 | 24,8 | 7,2   | 78    | 32   | 0,6 | 1,28 |
|                                | 25 | 23212025 | 105,82         | 101,33         | 15 | 24,8 | 7,2   | 86    | 32   | 0,6 | 1,54 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d  | A    | B h14 | C max | L    | r   | Kg.  |
| 5/8" x 3/8" R. 10.16<br>10B-1  | 13 | 23215013 | 73,17          | 66,33          | 15 | 27,9 | 9,1   | 48    | 37   | 0,6 | 0,62 |
|                                | 15 | 23215015 | 83,19          | 76,35          | 15 | 27,9 | 9,1   | 58    | 37   | 0,6 | 0,87 |
|                                | 17 | 23215017 | 93,23          | 86,39          | 15 | 27,9 | 9,1   | 68    | 37   | 0,6 | 1,17 |
|                                | 18 | 23215018 | 93,26          | 91,42          | 15 | 27,9 | 9,1   | 72    | 37   | 0,6 | 1,34 |
|                                | 19 | 23215019 | 103,29         | 96,45          | 15 | 27,9 | 9,1   | 79    | 37   | 0,6 | 1,49 |
|                                | 20 | 23215020 | 108,4          | 101,49         | 19 | 27,9 | 9,1   | 82    | 37   | 0,6 | 1,68 |
|                                | 21 | 23215021 | 113,35         | 106,51         | 19 | 27,9 | 9,1   | 89    | 37   | 0,6 | 1,88 |
|                                | 23 | 23215023 | 123,43         | 116,59         | 19 | 27,9 | 9,1   | 99    | 37   | 0,6 | 2,3  |
|                                | 25 | 23215025 | 133,5          | 126,66         | 19 | 27,9 | 9,1   | 109   | 37   | 0,6 | 2,77 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d  | A    | B h14 | C max | L    | r   | Kg.  |
| 3/4" x 7/16" R. 12.07<br>12B-1 | 13 | 23219013 | 87,13          | 76,9           | 20 | 33,9 | 11,1  | 59    | 45   | 0,6 | 0,91 |
|                                | 15 | 23219015 | 99,16          | 91,63          | 20 | 33,9 | 11,1  | 71    | 45   | 0,6 | 1,30 |
|                                | 17 | 23219017 | 111,2          | 103,67         | 20 | 33,9 | 11,1  | 83    | 45   | 0,6 | 2,12 |
|                                | 18 | 23219018 | 117,23         | 109,71         | 20 | 33,9 | 11,1  | 88    | 45   | 0,6 | 2,42 |
|                                | 19 | 23219019 | 123,27         | 115,74         | 20 | 33,9 | 11,1  | 95    | 45   | 0,6 | 2,75 |
|                                | 20 | 23219020 | 129,31         | 121,78         | 20 | 33,9 | 11,1  | 101   | 45   | 0,6 | 3,09 |
|                                | 21 | 23219021 | 135,35         | 127,82         | 20 | 33,9 | 11,1  | 107   | 45   | 0,6 | 3,42 |
|                                | 23 | 23219023 | 147,43         | 139,9          | 20 | 33,9 | 11,1  | 119   | 45   | 0,6 | 4,21 |
|                                | 25 | 23219025 | 159,52         | 151,99         | 24 | 33,9 | 11,1  | 131   | 45   | 0,6 | 5,07 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d  | A    | B h14 | C max | L    | r   | Kg.  |
| 1" x 17.02 R. 15.88<br>16B-1   | 13 | 23225013 | 117,26         | 106,14         | 24 | 47,8 | 16,2  | 78    | 64   | 0,8 | 3,14 |
|                                | 15 | 23225015 | 133,29         | 122,17         | 24 | 47,8 | 16,2  | 95    | 64   | 0,8 | 4,44 |
|                                | 17 | 23225017 | 149,35         | 138,23         | 24 | 47,8 | 16,2  | 111   | 64   | 0,8 | 5,09 |
|                                | 18 | 23225018 | 157,39         | 146,28         | 24 | 47,8 | 16,2  | 119   | 64   | 0,8 | 5,90 |
|                                | 19 | 23225019 | 165,44         | 154,32         | 24 | 47,8 | 16,2  | 127   | 64   | 0,8 | 6,70 |
|                                | 20 | 23225020 | 173,49         | 162,38         | 24 | 47,8 | 16,2  | 135   | 64   | 0,8 | 7,53 |
|                                | 21 | 23225021 | 181,54         | 170,42         | 24 | 47,8 | 16,2  | 143   | 64   | 0,8 | 9,48 |
|                                | 23 | 23225023 | 197,66         | 186,54         | 24 | 47,8 | 16,2  | 160   | 64   | 0,8 | 10,0 |
|                                | 25 | 23225025 | 213,78         | 202,66         | 24 | 47,8 | 16,2  | 176   | 64   | 0,8 | 11,0 |



# WITHOUT TAPER BUSH

**MATERIAL**  
MATERIAL C45 EN 10083



| PITCH                          | Z  | CODE     | BUSH           | d <sub>e</sub> | d <sub>p</sub> | A    | B h14 | C max | L  | r   | Kg.  |
|--------------------------------|----|----------|----------------|----------------|----------------|------|-------|-------|----|-----|------|
| 1/2" x 5/16" R. 8.51<br>08B-1  | 15 | 27212015 | 1008           | 65,57          | 61,08          | 24,8 | 7,2   | 45    | 32 | 0,6 | 0,47 |
|                                | 17 | 27212017 | 1210           | 73,61          | 69,12          | 24,8 | 7,2   | 53    | 32 | 0,6 | 0,64 |
|                                | 18 | 27212018 | 1210           | 78             | 73,14          | 24,8 | 7,2   | 57    | 32 | 0,6 | 0,73 |
|                                | 19 | 27212019 | 1210           | 81,65          | 77,16          | 24,8 | 7,2   | 62    | 32 | 0,6 | 0,84 |
|                                | 20 | 27212020 | 1610           | 86             | 81,19          | 24,8 | 7,2   | 65    | 32 | 0,6 | 0,93 |
|                                | 21 | 27212021 | 1610           | 89,7           | 85,21          | 24,8 | 7,2   | 70    | 32 | 0,6 | 1,03 |
|                                | 23 | 27212023 | 1610           | 97,76          | 93,27          | 24,8 | 7,2   | 78    | 32 | 0,6 | 1,28 |
|                                | 25 | 27212025 | 2012           | 105,82         | 101,33         | 24,8 | 7,2   | 86    | 32 | 0,6 | 1,54 |
|                                | 30 | 27212030 | 2012           | 125,99         | 121,5          | 24,8 | 7,2   | 106   | 32 | 0,6 | 1,96 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d              | A    | B h14 | C max | L  | r   | Kg.  |
| 5/8" x 3/8" R. 10.16<br>10B-1  | 15 | 27215015 | 1210           | 83,19          | 76,35          | 27,9 | 9,1   | 58    | 37 | 0,6 | 0,87 |
|                                | 17 | 27215017 | 1610           | 93,23          | 86,39          | 27,9 | 9,1   | 68    | 37 | 0,6 | 1,17 |
|                                | 18 | 27215018 | 1610           | 98,3           | 91,42          | 27,9 | 9,1   | 72    | 37 | 0,6 | 1,34 |
|                                | 19 | 27215019 | 1610           | 103,29         | 96,45          | 27,9 | 9,1   | 79    | 37 | 0,6 | 1,49 |
|                                | 20 | 27215020 | 1610           | 108,4          | 101,49         | 27,9 | 9,1   | 82    | 37 | 0,6 | 1,68 |
|                                | 21 | 27215021 | 1610           | 113,35         | 106,51         | 27,9 | 9,1   | 89    | 37 | 0,6 | 1,88 |
|                                | 23 | 27215023 | 1610           | 123,43         | 116,59         | 27,9 | 9,1   | 99    | 37 | 0,6 | 2,30 |
|                                | 25 | 27215025 | 2012           | 133,5          | 126,66         | 27,9 | 9,1   | 109   | 37 | 0,6 | 2,77 |
|                                | 30 | 27215030 | 2012           | 158,71         | 151,87         | 27,9 | 9,1   | 135   | 37 | 0,6 | 3,20 |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d              | A    | B h14 | C max | L  | r   | Kg.  |
| 3/4" x 7/16" R. 12.07<br>12B-1 | 15 | 27219015 | 1610           | 99,16          | 91,63          | 33,9 | 11,1  | 71    | 45 | 0,6 | 1,33 |
|                                | 17 | 27219017 | 1610           | 111,2          | 103,67         | 33,9 | 11,1  | 83    | 45 | 0,6 | 2,12 |
|                                | 18 | 27219018 | 2012           | 118            | 109,71         | 33,9 | 11,1  | 88    | 45 | 0,6 | 2,42 |
|                                | 19 | 27219019 | 2012           | 123,27         | 115,74         | 33,9 | 11,1  | 95    | 45 | 0,6 | 2,75 |
|                                | 20 | 27219020 | 2517           | 129,7          | 121,78         | 33,9 | 11,1  | 101   | 45 | 0,6 | 3,09 |
|                                | 21 | 27219021 | 2517           | 135,35         | 127,82         | 33,9 | 11,1  | 107   | 45 | 0,6 | 3,42 |
|                                | 23 | 27219023 | 2517           | 147,43         | 139,9          | 33,9 | 11,1  | 119   | 45 | 0,6 | 4,21 |
|                                | 25 | 27219025 | 2517           | 159,52         | 151,99         | 33,9 | 11,1  | 131   | 45 | 0,6 | 5,07 |
|                                | 30 | 27219030 | 2517           | 189,8          | 182,25         | 33,9 | 11,1  | 162   | 45 | 0,6 | 6,5  |
| PITCH                          | Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d              | A    | B h14 | C max | L  | r   | Kg.  |
| 1" x 17.02 R. 15.88<br>16B-1   | 15 | 27225015 | 2012           | 133,29         | 122,17         | 47,8 | 16,2  | 95    | 64 | 0,8 | 4,44 |
|                                | 17 | 27225017 | 2517           | 149,35         | 138,23         | 47,8 | 16,2  | 111   | 64 | 0,8 | 5,09 |
|                                | 18 | 27225018 | 2517           | 157,39         | 146,28         | 47,8 | 16,2  | 119   | 64 | 0,8 | 5,90 |
|                                | 19 | 27225019 | 2517           | 165,44         | 154,32         | 47,8 | 16,2  | 127   | 64 | 0,8 | 6,70 |
|                                | 20 | 27225020 | 2517           | 173,49         | 162,38         | 47,8 | 16,2  | 135   | 64 | 0,8 | 7,53 |
|                                | 21 | 27225021 | 3020           | 181,54         | 170,42         | 47,8 | 16,2  | 143   | 64 | 0,8 | 9,48 |
|                                | 23 | 27225023 | 3020           | 197,66         | 186,54         | 47,8 | 16,2  | 160   | 64 | 0,8 | 10,0 |
|                                | 25 | 27225025 | 3020           | 213,78         | 202,66         | 47,8 | 16,2  | 176   | 64 | 0,8 | 11,0 |
|                                | 30 | 27225030 | 3020           | 254,10         | 243            | 47,8 | 16,2  | 216   | 64 | 0,8 | 13,0 |



## PLATEWHEELS P50

### PLATEWHEEL R25

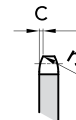
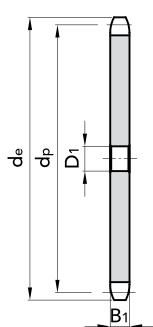
Pitch 50,0 mm  
Inner width 11,5 mm  
Roller Ø 25,0 mm  
**B<sub>1</sub>** 10,5 mm

### MATERIAL

MATERIAL C45 EN 10083

### PLATEWHEEL R31

Pitch 50,0 mm  
Inner width 15,0 mm  
Roller Ø 31,0 mm  
**B<sub>1</sub>** 13,8 mm



Roller - Rullo 25

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 6  | 20             | 24502506 | 115            | 100            | 0,55  |
| 7  | 20             | 24502507 | 132,7          | 115,24         | 0,76  |
| 8  | 20             | 24502508 | 148,1          | 130,6          | 0,92  |
| 9  | 20             | 24502509 | 163,7          | 146,2          | 1,30  |
| 10 | 25             | 24502510 | 179,3          | 161,85         | 1,45  |
| 11 | 25             | 24502511 | 195            | 177,5          | 1,94  |
| 12 | 25             | 24502512 | 211            | 193,2          | 2,01  |
| 13 | 30             | 24502513 | 226,4          | 208,95         | 2,33  |
| 14 | 30             | 24502514 | 242,2          | 224,7          | 3,06  |
| 15 | 30             | 24502515 | 257,9          | 240,45         | 3,80  |
| 16 | 30             | 24502516 | 273,8          | 256,3          | 4,00  |
| 17 | 30             | 24502517 | 289,5          | 272,05         | 4,20  |
| 18 | 30             | 24502518 | 305,4          | 287,95         | 5,10  |
| 19 | 30             | 24502519 | 321,3          | 303,8          | 6,00  |
| 20 | 30             | 24502520 | 337,1          | 319,6          | 6,45  |
| 21 | 30             | 24502521 | 352,9          | 335,45         | 6,89  |
| 22 |                |          |                |                |       |
| 23 |                |          |                |                |       |
| 24 | 30             | 24502524 | 400            | 383,05         | 9,07  |
| 25 | 30             | 24502525 | 416,4          | 398,95         | 9,97  |
| 26 | 30             | 24502526 | 432,3          | 414,8          | 12,06 |
| 27 | 30             | 24502527 | 448,2          | 430,7          | 12,88 |
| 28 | 30             | 24502528 | 464            | 446,55         | 13,83 |
| 30 | 30             | 24502530 | 495,8          | 478,35         | 14,32 |
| 32 |                |          |                |                |       |
| 35 |                |          |                |                |       |
| 38 | 30             | 24502538 | 622,9          | 605,45         | 21,50 |

Roller - Rullo 31

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 6  | 20             | 24503106 | 116,2          | 100            | 0,75  |
| 7  | 20             | 24503107 | 133,8          | 115,24         | 1,00  |
| 8  | 20             | 24503108 | 152,3          | 130,60         | 1,10  |
| 9  | 20             | 24503109 | 167,9          | 146,20         | 1,71  |
| 10 | 25             | 24503110 | 183,5          | 161,85         | 2,02  |
| 11 | 25             | 24503111 | 199,2          | 177,50         | 2,31  |
| 12 | 25             | 24503112 | 212,0          | 193,20         | 2,50  |
| 13 | 30             | 24503113 | 230,6          | 208,95         | 2,98  |
| 14 | 30             | 24503114 | 246,4          | 224,70         | 4,05  |
| 15 | 30             | 24503115 | 262,1          | 240,45         | 4,90  |
| 16 | 30             | 24503116 | 278,0          | 256,30         | 5,04  |
| 17 |                |          |                |                |       |
| 18 | 30             | 24503118 | 309,6          | 287,95         | 6,90  |
| 19 | 30             | 24503119 | 325,5          | 303,80         | 6,85  |
| 20 | 30             | 24503120 | 341,3          | 319,60         | 8,06  |
| 21 | 30             | 24503121 | 357,1          | 335,45         | 8,80  |
| 22 | 30             | 24503122 | 373,0          | 351,35         | 9,90  |
| 23 | 30             | 24503123 | 388,9          | 367,20         | 10,06 |
| 24 | 30             | 24503124 | 404,7          | 383,05         | 11,25 |
| 25 | 30             | 24503125 | 419,7          | 398,95         | 12,30 |
| 26 | 30             | 24503126 | 436,5          | 414,80         | 14,11 |
| 27 | 30             | 24503127 | 452,4          | 430,70         | 15,46 |
| 28 | 30             | 24503128 | 468,2          | 446,55         | 16,80 |
| 30 |                |          |                |                |       |
| 32 | 30             | 24503132 | 531,8          | 510,10         | 21,35 |
| 35 | 30             | 24503135 | 579,5          | 557,80         | 25,7  |
| 38 | 30             | 24503138 | 622,0          | 605,45         | 30,05 |





## PLATEWHEELS P75

### PLATEWHEEL R25

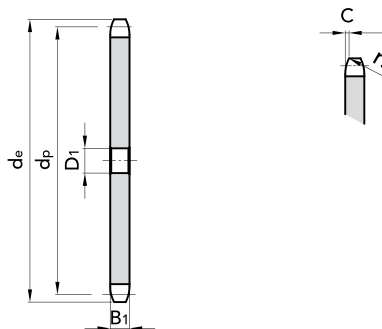
Pitch 75,0 mm  
Inner width 15,0 mm  
Roller Ø 25,0 mm  
**B<sub>1</sub>** 13,8 mm

### MATERIAL

MATERIAL C45 EN 10083

### PLATEWHEEL R31

Pitch 75,0 mm  
Inner width 15,0 mm  
Roller Ø 31,0 mm  
**B<sub>1</sub>** 13,8 mm



Roller - Rullo 25

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 8  | 30             | 24752508 | 213,4          | 195,98         | 3,2   |
| 9  | 30             | 24752509 | 236,8          | 219,3          | 4,00  |
| 10 | 30             | 24752510 | 260,2          | 242,77         | 5,00  |
| 11 | 30             | 24752511 | 283,7          | 266,25         | 5,43  |
| 12 | 30             | 24752512 | 307,3          | 289,8          | 7,00  |
| 13 | 30             | 24752513 | 330,9          | 313,42         | 7,56  |
| 14 |                |          |                |                |       |
| 15 | 30             | 24752515 | 378,1          | 360,67         | 8,00  |
| 16 | 30             | 24752516 | 401,9          | 384,45         | 12,17 |
| 17 |                |          |                |                |       |
| 20 |                |          |                |                |       |
| 21 |                |          |                |                |       |
| 25 | 30             | 24752525 | 615,9          | 598,42         | 29,25 |

Roller - Rullo 31

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 8  | 30             | 24753108 | 217,6          | 195,98         | 3,5   |
| 9  | 30             | 24753109 | 241            | 219,3          | 3,80  |
| 10 | 30             | 24753110 | 264,4          | 242,77         | 4,50  |
| 11 | 30             | 24753111 | 287,9          | 266,25         | 5,57  |
| 12 | 30             | 24753112 | 311,5          | 289,8          | 6,70  |
| 13 | 30             | 24753113 | 334,1          | 313,42         | 7,80  |
| 14 | 30             | 24753114 | 358,7          | 337,05         | 9,12  |
| 15 | 30             | 24753115 | 382,3          | 360,67         | 10,42 |
| 16 | 30             | 24753116 | 406,1          | 384,45         | 11,98 |
| 17 |                |          |                |                |       |
| 20 |                |          |                |                |       |
| 21 | 30             | 24753121 | 524,8          | 503,17         | 20,62 |
| 25 | 30             | 24753125 | 620,1          | 598,42         | 27,00 |

## PLATEWHEELS P100

### PLATEWHEEL R25

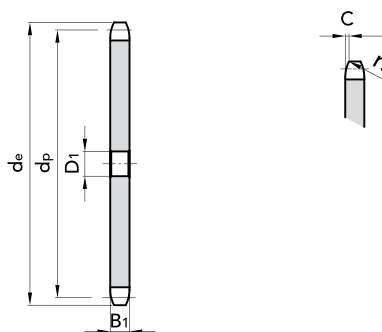
Pitch 100,0 mm  
Inner width 15,0 mm  
Roller Ø 31,0 mm  
**B<sub>1</sub>** 13,8 mm

### MATERIAL

MATERIAL C45 EN 10083

### PLATEWHEEL R31

Pitch 100,0 mm  
Inner width 22,0 mm  
Roller Ø 40,0 mm  
**B<sub>1</sub>** 20,0 mm



Roller - Rullo 31

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 8  | 30             | 24993108 | 282,9          | 261,31         | 4,92  |
| 9  | 30             | 24993109 | 314,1          | 292,4          | 6,03  |
| 10 | 30             | 24993110 | 345,4          | 323,61         | 8,00  |
| 11 | 30             | 24993111 | 376,7          | 354,95         | 9,04  |
| 12 | 30             | 24993112 | 408,1          | 386,4          | 10,75 |
| 13 | 30             | 24993113 | 439,6          | 417,9          | 16,00 |
| 14 | 30             | 24993114 | 471,1          | 449,4          | 17,00 |
| 15 | 30             | 24993115 | 502,6          | 480,9          | 19,00 |
| 16 | 30             | 24993116 | 534,3          | 512,6          | 21,80 |
| 17 | 30             | 24993117 | 565,8          | 544,1          | 24,77 |
| 18 | 30             | 24993118 | 597,6          | 575,9          | 26,43 |
| 19 |                |          |                |                |       |
| 20 |                |          |                |                |       |

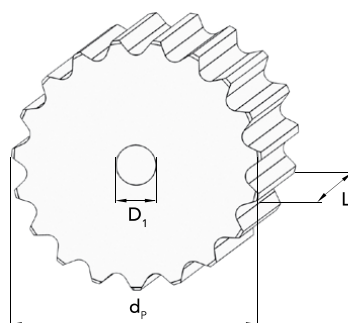
Roller - Rullo 40

| Z  | D <sub>1</sub> | CODE     | d <sub>e</sub> | d <sub>p</sub> | Kg.   |
|----|----------------|----------|----------------|----------------|-------|
| 8  | 30             | 24994008 | 282,9          | 261,31         | 7,14  |
| 9  | 30             | 24994009 | 314,1          | 292,4          | 10,03 |
| 10 | 30             | 24994010 | 345,4          | 323,61         | 11,95 |
| 11 | 30             | 24994011 | 376,7          | 354,95         | 15,02 |
| 12 | 30             | 24994012 | 408,1          | 386,4          | 17,27 |
| 13 |                |          |                |                |       |
| 14 | 30             | 24994014 | 471,1          | 449,4          | 24,60 |
| 15 |                |          |                |                |       |
| 16 | 30             | 24994016 | 534,3          | 512,6          | 27,99 |
| 17 |                |          |                |                |       |
| 18 |                |          |                |                |       |
| 19 |                |          |                |                |       |
| 20 | 30             | 24994020 | 663            | 639,2          | 42,62 |



## TABLETOP

P. 1" 1/2 with DIN 8153

**MATERIAL**  
MATERIAL S235 JR EN 10025

| Z  | D <sub>p</sub> | D <sub>1</sub> | CODE     | L    | Kg.  |
|----|----------------|----------------|----------|------|------|
| 13 | 78,98          | 15             | 30038013 | 43,5 | 1,86 |
| 15 | 93,67          | 15             | 30038015 | 43,5 | 1,86 |
| 17 | 105,47         | 20             | 30038017 | 43,5 | 2,34 |
| 19 | 117,34         | 20             | 30038019 | 43,5 | 3,10 |
| 21 | 129,26         | 20             | 30038021 | 43,5 | 3,70 |
| 23 | 141,22         | 20             | 30038023 | 43,5 | 4,46 |
| 25 | 153,21         | 20             | 30038025 | 43,5 | 5,50 |
| 27 | 165,20         | 20             | 30038027 | 43,5 | 6,31 |
| 29 | 177,24         | 20             | 30038029 | 43,5 | 7,31 |
| 31 | 189,28         | 20             | 30038031 | 43,5 | 8,63 |

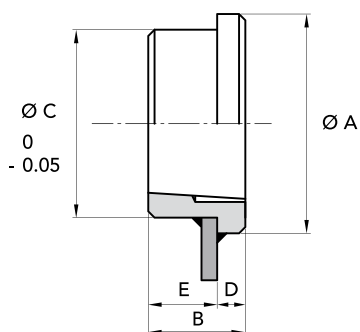






## BUSHES TL

**MATERIAL**  
MATERIAL S235 JR EN 10025

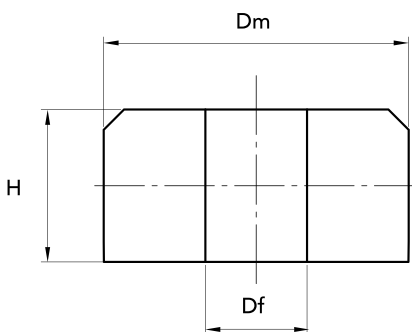


| TYPE HUBS   | CODE     | TAPER BUSHE | Ø A | B   | Ø C | D  | E  | Kg.   |
|-------------|----------|-------------|-----|-----|-----|----|----|-------|
| MS. TL 1210 | 28001210 | 1210        | 70  | 25  | 65  | 9  | 16 | 0,31  |
| MS. TL 1610 | 28001610 | 1610        | 80  | 25  | 75  | 9  | 16 | 0,37  |
| MS. TL 2012 | 28002012 | 2012        | 95  | 32  | 90  | 12 | 20 | 0,72  |
| MS. TL 2517 | 28002517 | 2517        | 115 | 45  | 110 | 19 | 26 | 1,80  |
| MS. TL 3020 | 28003020 | 3020        | 145 | 51  | 140 | 19 | 32 | 2,59  |
| MS. TL 3030 | 28003030 | 3030        | 145 | 76  | 140 | 19 | 57 | 3,55  |
| MS. TL 3525 | 28003525 | 3525        | 190 | 65  | 180 | 25 | 40 | 7,30  |
| MS. TL 3535 | 28003535 | 3535        | 190 | 89  | 180 | 25 | 64 | 6,40  |
| MS. TL 4040 | 28004040 | 4040        | 200 | 102 | 190 | 32 | 70 | 13,22 |
| MS. TL 4545 | 28004545 | 4545        | 220 | 115 | 205 | 38 | 77 | 19,30 |
| MS. TL 5050 | 28005050 | 5050        | 240 | 127 | 220 | 38 | 89 | 24,52 |



## WELDED HUBS

MATERIAL  
MATERIAL S235 JR EN 10025



| Dm  | H    | Df | CODE     | Kg.  | Dm  | H    | Df | CODE     | Kg.   |
|-----|------|----|----------|------|-----|------|----|----------|-------|
| 60  | 30   | 20 | 00001105 | 0,59 | 150 | 33   | 25 | 00001750 | 4,45  |
| 80  | 27   | 16 | 00001110 | 1,02 | 150 | 33   | 30 | 00001760 | 4,38  |
| 80  | 27   | 20 | 00001120 | 1,00 | 150 | 36,5 | 25 | 00001770 | 4,94  |
| 90  | 26   | 16 | 00001130 | 1,26 | 150 | 52   | 30 | 00001780 | 6,90  |
| 90  | 26   | 20 | 00001140 | 1,23 | 150 | 62   | 30 | 00001790 | 8,29  |
| 90  | 31   | 16 | 00001150 | 1,49 | 150 | 72   | 30 | 00001800 | 9,59  |
| 90  | 31   | 20 | 00001160 | 1,46 | 155 | 34   | 30 | 00001820 | 4,81  |
| 90  | 33   | 20 | 00001170 | 1,56 | 155 | 50,6 | 30 | 00001830 | 7,20  |
| 90  | 33   | 25 | 00001180 | 1,52 | 160 | 21   | 30 | 00001840 | 3,22  |
| 100 | 31   | 20 | 00001190 | 1,82 | 160 | 28   | 25 | 00001850 | 4,30  |
| 100 | 31   | 25 | 00001200 | 1,78 | 160 | 28   | 30 | 00001860 | 4,22  |
| 100 | 41   | 25 | 00001210 | 2,37 | 160 | 32   | 30 | 00001900 | 4,98  |
| 110 | 25   | 25 | 00001220 | 1,76 | 160 | 36   | 30 | 00001930 | 5,50  |
| 110 | 29   | 20 | 00001230 | 2,08 | 160 | 46   | 30 | 00001970 | 7,04  |
| 110 | 29   | 25 | 00001240 | 2,05 | 160 | 50,6 | 30 | 00001980 | 7,70  |
| 110 | 35   | 25 | 00001250 | 2,46 | 160 | 60,6 | 30 | 00001990 | 9,45  |
| 110 | 45   | 25 | 00001260 | 3,16 | 160 | 66   | 30 | 00002000 | 10,06 |
| 110 | 45   | 30 | 00001270 | 3,10 | 160 | 76   | 30 | 00002010 | 11,50 |
| 120 | 19,5 | 20 | 00001300 | 2,19 | 160 | 76   | 40 | 00002020 | 11,24 |
| 120 | 25,4 | 25 | 00001320 | 2,16 | 170 | 28   | 30 | 00002030 | 4,82  |
| 120 | 34   | 25 | 00001330 | 2,89 | 170 | 45,6 | 30 | 00002050 | 7,96  |
| 125 | 54   | 25 | 00001340 | 5,02 | 170 | 60,6 | 30 | 00002060 | 10,44 |
| 125 | 54   | 30 | 00001350 | 4,95 | 170 | 76   | 40 | 00002070 | 12,79 |
| 130 | 20   | 20 | 00001370 | 2,00 | 180 | 19   | 40 | 00002080 | 3,60  |
| 130 | 20   | 25 | 00001380 | 2,37 | 180 | 28   | 40 | 00002090 | 5,35  |
| 130 | 25   | 20 | 00001400 | 2,55 | 180 | 31   | 40 | 00002100 | 5,87  |
| 130 | 25   | 25 | 00001410 | 2,50 | 180 | 34   | 30 | 00002130 | 6,67  |
| 130 | 32   | 25 | 00001440 | 3,21 | 180 | 46   | 30 | 00002150 | 8,92  |
| 130 | 38   | 25 | 00001460 | 3,81 | 180 | 61   | 30 | 00002160 | 11,18 |
| 133 | 34   | 30 | 00001490 | 3,52 | 180 | 71   | 40 | 00002170 | 13,50 |
| 133 | 50,6 | 30 | 00001500 | 5,23 | 200 | 30   | 40 | 00002180 | 5,70  |
| 135 | 32   | 25 | 00001510 | 3,47 | 200 | 32   | 30 | 00002190 | 7,71  |
| 135 | 40,6 | 25 | 00001530 | 4,40 | 200 | 32   | 40 | 00002200 | 7,58  |
| 140 | 21   | 25 | 00001540 | 2,45 | 200 | 34   | 30 | 00002230 | 8,18  |
| 140 | 21   | 30 | 00001550 | 2,42 | 200 | 34   | 40 | 00002240 | 8,00  |
| 140 | 24   | 25 | 00001570 | 2,87 | 200 | 38   | 40 | 00002250 | 8,99  |
| 140 | 28   | 25 | 00001740 | 3,27 | 200 | 49   | 40 | 00002260 | 11,6  |
| 140 | 33   | 25 | 00001600 | 3,86 | 200 | 71   | 40 | 00002270 | 16,80 |
| 140 | 33   | 30 | 00001610 | 3,83 | 200 | 81   | 40 | 00002280 | 19,17 |
| 140 | 64   | 30 | 00001620 | 7,30 | 220 | 32   | 30 | 00002300 | 9,37  |
| 145 | 32   | 25 | 00001630 | 4,07 | 220 | 32   | 40 | 00002310 | 9,21  |
| 145 | 32   | 30 | 00001640 | 3,90 | 220 | 33   | 40 | 00002320 | 9,52  |
| 145 | 34   | 30 | 00001660 | 4,21 | 220 | 42   | 40 | 00002330 | 12,12 |
| 145 | 40,6 | 25 | 00001670 | 5,11 | 220 | 48   | 40 | 00002340 | 13,85 |
| 145 | 50,6 | 30 | 00001680 | 6,30 | 250 | 30   | 40 | 00002350 | 8,66  |
| 150 | 24   | 25 | 00001690 | 3,23 | 250 | 34   | 40 | 00002360 | 9,81  |
| 150 | 24   | 30 | 00001700 | 3,19 | 250 | 42   | 40 | 00002370 | 12,11 |
| 150 | 29,7 | 25 | 00001730 | 4,00 | 250 | 44   | 40 | 00002390 | 12,70 |



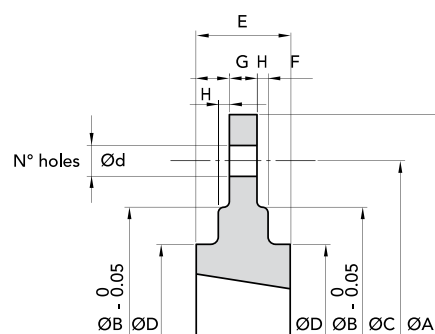


# REMOVABLE HUBS

## MATERIAL

MATERIAL C45 EN 10083

CAST IRON G20/25 EN 1561  
PHOSPHATED

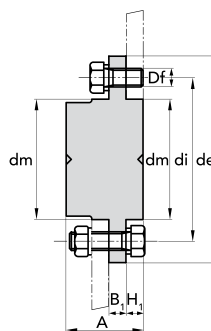


| TYPE HUBS     | CODE     | TAPER BUSHE | Ø A | Ø B | Ø C | Ø D | E  | F    | G    | H   | N. HOLES | Ø d  | Kg.   |
|---------------|----------|-------------|-----|-----|-----|-----|----|------|------|-----|----------|------|-------|
| MSM. TL Ø 120 | 28000120 | 1210        | 120 | 80  | 100 | 70  | 25 | 9    | 7,5  | 2,5 | 6        | 7,5  | 0,82  |
| MSM. TL Ø 130 | 28000130 | 1610        | 130 | 90  | 110 | 80  | 25 | 9    | 7,5  | 2,5 | 6        | 7,5  | 0,95  |
| MSM. TL Ø 145 | 28000145 | 2012        | 145 | 115 | 125 | 95  | 32 | 12   | 9,5  | 2,5 | 6        | 9,5  | 1,53  |
| MSM. TL Ø 180 | 28000180 | 1210        | 180 | 90  | 135 | 75  | 25 | 9,25 | 6,5  | 2,5 | 6        | 7,5  | 2,84  |
| MSM. TL Ø 185 | 28000185 | 2517        | 185 | 130 | 155 | 115 | 45 | 19   | 12,5 | 2,5 | 6        | 11,5 | 3,14  |
| MSM. TL Ø 200 | 28000200 | 1615        | 200 | 110 | 150 | 85  | 38 | 15,3 | 7,5  | 2,5 | 6        | 7,5  | 2,42  |
| MSM. TL Ø 220 | 28000220 | 3020        | 220 | 165 | 190 | 145 | 51 | 19   | 12,5 | 2,5 | 6        | 13,5 | 2,93  |
| MSM. TL Ø 270 | 28000270 | 2012        | 270 | 140 | 190 | 110 | 32 | 11,8 | 8,5  | 2,5 | 6        | 9,5  | 4,44  |
| MSM. TL Ø 340 | 28000340 | 2517        | 340 | 170 | 240 | 125 | 45 | 17,8 | 9,5  | 2,5 | 8        | 11,5 | 7,97  |
| MSM. TL Ø 430 | 28000430 | 3020        | 430 | 220 | 300 | 160 | 51 | 18,8 | 13,5 | 2,5 | 8        | 13,5 | 16,8  |
| MSM. TL Ø 485 | 28000485 | 3020        | 485 | 250 | 340 | 160 | 51 | 18,8 | 13,5 | 2,5 | 8        | 13,5 | 21,18 |



## SIDE HUB FOR CHAIN WHEEL

**MATERIAL**  
MATERIAL S235 JR EN 10025



| TYPE HUBS | CODE     | de  | di  | dm  | A    | Df   | B <sub>1</sub> | H <sub>1</sub> | Kg.  |
|-----------|----------|-----|-----|-----|------|------|----------------|----------------|------|
| 30        | 30000030 | 55  | 45  | 30  | 20,0 | 4,2  | 4              | 3,0            | 0,12 |
| 40        | 30000040 | 70  | 58  | 40  | 25,0 | 5,2  | 5              | 5,2            | 0,15 |
| 50        | 30000050 | 80  | 67  | 50  | 32,0 | 6,2  | 7              | 7,0            | 0,20 |
| 60        | 30000060 | 90  | 76  | 60  | 38,5 | 6,2  | 7              | 8,7            | 0,25 |
| 70        | 30000070 | 110 | 94  | 70  | 45,5 | 8,2  | 8              | 10,5           | 0,32 |
| 80        | 30000080 | 130 | 107 | 80  | 55,0 | 8,2  | 12             | 15,0           | 0,42 |
| 100       | 30000100 | 170 | 140 | 100 | 73,0 | 10,2 | 17             | 23,0           | 0,55 |
| 140       | 30000140 | 220 | 182 | 140 | 83,0 | 12,2 | 20             | 23,0           | 0,68 |
| 160       | 30000160 | 245 | 205 | 160 | 93,0 | 16,5 | 25             | 25,0           | 0,81 |





# Industrial chains

## LEGEND

CHAIN = *CATENA*

PITCH = *PASSO*

INNER WIDTH = *LARGHEZZA INTERNA*

ROLLER DIAM = *RULLO*

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## HOW TO SELECT AND TO MEASURE CORRECTLY A ROLLER CHAIN

### GUIDELINES

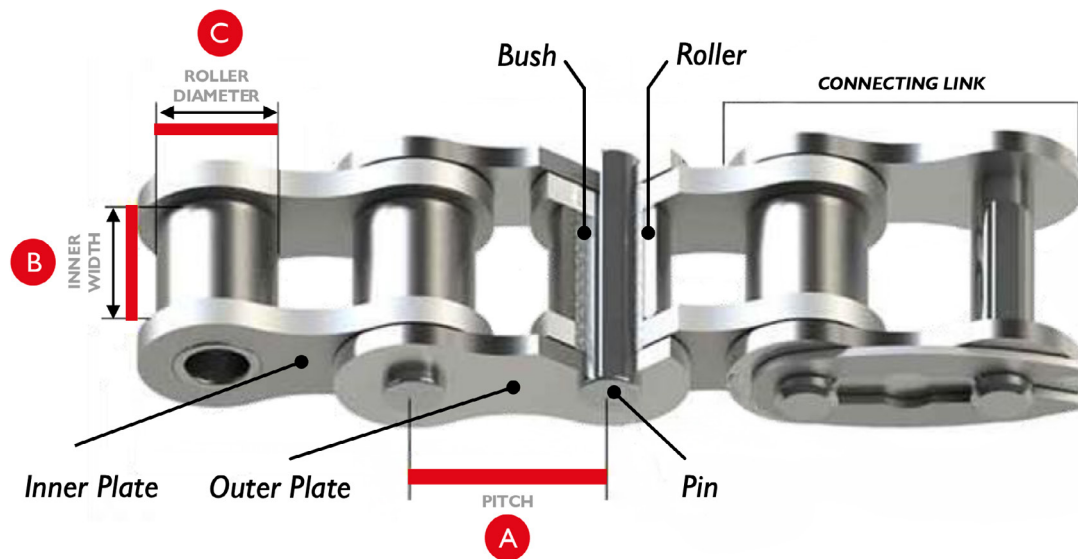
To accurately measure a roller chain, using a caliper, determine the following items:

- A. **Pitch:** Distance between the center of one pin to the center of the next;
- B. **Inner width:** Distance between the inner plates;
- C. **Roller diameter:** Diameter of the roller;

Common sizes range from 06B (ASA35) to 48B (ASA240), with British Standard and ANSI standards based on 1/8-inch pitch increments. Measure multiple links to determine total wear and length.

In some cases additional measurements are required like:

- D. **Plate Height/Thickness:** Height and thickness of the single plate;
- E. **Overall Length:** Total number of links.







## XRC® EXTRA PERFORMANCE ROLLER CHAIN

### INTRODUCTION

The new roller chain made by Chiaravalli is designed to meet the demands of applications where performance requirements go beyond the standard. This product was developed in-house with the goal of expanding our offerings to our partners and providing exceptional resistance and reliability for projects where roller chains are subjected to higher-than-normal stresses.

### KEY FEATURES OF THE XRC® CHAIN

The new roller chain made by Chiaravalli is designed to meet the demands of **applications where performance requirements go beyond the standard**. This product was developed in-house with the goal of expanding our offerings to our partners and providing exceptional resistance and reliability for projects where roller chains are subjected to higher-than-normal stresses.

#### 1. Certified Quality

The XRC® Chain complies with and exceeds **ISO606 standards**, validated through rigorous tensile tests. This ensures a reliable product compatible with the most complex industrial applications.

#### 2. High Resistance

- **Shot-Peened Plates:** An innovative treatment that enhances mechanical strength and fatigue resistance, extending the chain's lifespan even in demanding conditions.
- **Solid Extruded and Shot-Peened Rollers:** A production process that avoids structural imperfections, providing superior impact resistance and smooth operation.

#### 3. Pre-Tensioning

The chain undergoes factory pre-tensioning that exceeds the **ISO606 breaking load standards**. This process minimizes elongation during operation, improving the stability and longevity of the product.

#### 4. High-Quality Lubrication

Each XRC® Chain is fully lubricated with **Fuchs oil**, a leader in industrial lubricants, ensuring optimal performance and reduced wear.

#### 5. Consistency and Precision

XRC® chain production adheres to strict tolerances, guaranteeing consistent and uniform quality across all products. Every assembly stage is meticulously handled by our specialized technicians.

#### 6. Availability of Certificates

Each production batch is traceable and complies with international regulations. The availability of material certificates ensures full transparency and reliability for our customers.

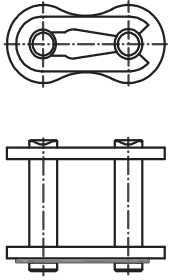


## CONNECTING AND OFFSET LINKS

### SINGLE AND MULTIPLE STRAND CHAIN

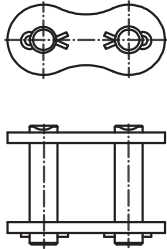
#### SPRING CLIP CONNECTING LINK

Standard connecting link.  
The cover linkplate is held in place by a spring clip, split at one end to permit easy installation and removal.



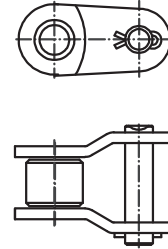
#### COTTERED CONNECTING LINK

Standard connecting link for larger chains.  
The cover linkplate is held in place by cotter pins.



#### SINGLE OFFSET LINK

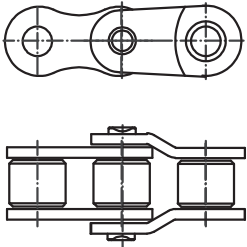
Links which can be added using a slip fit bolt and cotter key to add a single pitch length to the chain.



One pitch offset link (1R).  
The pin and two plates are slip fit. The fatigue strength is 35% lower than the chain itself.

#### DOUBLE OFFSET LINK

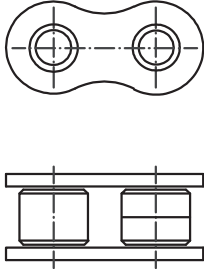
Similar to a single offset link except assembled into the chain. Press fit construction increases rigidity, reliability, and durability.



Two pitch offset links are the combination of a roller link and an offset link connected with a rivet pin. The fatigue strength is the same as the fatigue strength of the base chain.

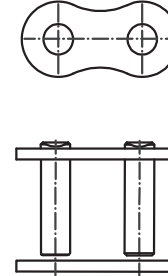
#### INTERNAL ROLLER LINK

By adding outer links, the inner links are connected to form a chain.



#### RIVETED CONNECTING LINK

Optional connecting link.  
The press fit-cover plate is standard; pins should be riveted or peened on the ends once the cover linkplate is installed.





# XRC® EUROPEAN (BS) STANDARD

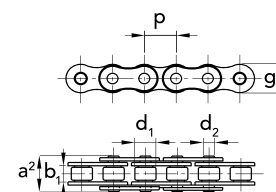
PACKAGE OF 2,5MT - PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN **ISO 9001**  
CERTIFIED FACTORY

COMPLIANT TO **ISO 606 - DIN 8187**

All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.



f = bearing area

## Simple - Semplice

| ISO N. |              | CODE      | CODE      |           | P      |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f               | breaking load | weight |
|--------|--------------|-----------|-----------|-----------|--------|--------|----------------|----------------|----------------|----------------|--------|-----------------|---------------|--------|
|        | CHAIN        | C/L       | OFFSET    |           | mm     | inch   | min.mm         | mm             | max mm         | max mm         | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |
| 04B-1  | P6           | 70106007X | 70106057X | 70106087X | 6,000  | -      | 2,80           | 1,85           | 4,00           | 7,40           | 5,00   | 0,08            | 3,00          | 0,12   |
| 05B-1  | P8           | 70108007X | 70108057X | 70108087X | 8,000  | -      | 3,00           | 2,31           | 5,00           | 8,60           | 7,11   | 0,11            | 5,00          | 0,18   |
| 06B-1  | 3/8"x7/32"   | 70109007X | 70109057X | 70109087X | 9,525  | 3/8"   | 5,72           | 3,28           | 6,35           | 13,50          | 8,26   | 0,28            | 9,00          | 0,40   |
| 06B-1  | 3/8"x7/32"   |           |           | 70109387X | 9,525  | 3/8"   | 5,72           | 3,28           | 6,35           | 13,50          | 8,26   | 0,28            | 9,00          | 0,40   |
| 083    | 1/2"x3/16"   | 70111008X | 70111058X | 70111088X | 12,700 | 1/2"   | 4,88           | 4,06           | 7,75           | 12,90          | 10,30  | 0,32            | 12,00         | 0,42   |
| 084    | 1/2"x3/16" R | 70171008X | 70171058X | 70171088X | 12,700 | 1/2"   | 4,88           | 4,06           | 7,75           | 14,20          | 11,00  | 0,35            | 16,00         | 0,59   |
| 08B-1  | 1/2"x5/16"   | 70112007X | 70112057X | 70112087X | 12,700 | 1/2"   | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 0,50            | 18,00         | 0,68   |
| 08B-1  | 1/2"x5/16"   |           |           | 70112387X | 12,700 | 1/2"   | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 0,50            | 18,00         | 0,68   |
| 10B-1  | 5/8"x3/8"    | 70115007X | 70115057X | 70115087X | 15,875 | 5/8"   | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 0,67            | 22,40         | 0,91   |
| 10B-1  | 5/8"x3/8"    |           |           | 70115387X | 15,875 | 5/8"   | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 0,67            | 22,40         | 0,91   |
| 12B-1  | 3/4"x7/16    | 70119007X | 70119057X | 70119087X | 19,050 | 3/4"   | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 0,88            | 29,00         | 1,12   |
| 12B-1  | 3/4"x7/16    |           |           | 70119387X | 19,050 | 3/4"   | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 0,88            | 29,00         | 1,12   |
| 16B-1  | 1"x17,02     | 70125007X | 70125057X | 70125087X | 25,400 | 1"     | 17,02          | 8,27           | 15,88          | 36,10          | 21,08  | 2,07            | 60,00         | 2,59   |
| 16B-1  | 1"x17,02     |           | 70125157X |           | 25,400 | 1"     | 17,02          | 8,27           | 15,88          | 36,10          | 21,08  | 2,07            | 60,00         | 2,59   |
| 20B-1  | 1"1/4x3/4"   | 70131007X | 70131057X | 70131087X | 31,750 | 1 1/4" | 19,56          | 10,19          | 19,05          | 43,20          | 26,42  | 2,91            | 95,00         | 3,60   |
| 20B-1  | 1"1/4x3/4"   |           | 70131157X |           | 31,750 | 1 1/4" | 19,56          | 10,19          | 19,05          | 43,20          | 26,42  | 2,91            | 95,00         | 3,60   |
| 24B-1  | 1"1/2x1"     | 70138007X | 70138157X | 70138087X | 38,100 | 1 1/2" | 25,40          | 14,63          | 25,40          | 53,40          | 33,40  | 5,49            | 160,00        | 6,85   |
| 28B-1  | 1"3/4x1"1/4" | 70144007X | 70144157X | 70144087X | 44,450 | 1 3/4" | 30,99          | 15,90          | 27,94          | 65,10          | 37,08  | 7,26            | 200,00        | 8,56   |
| 32B-1  | 2"x1"1/4     | 70150007X | 70150157X | 70150087X | 50,800 | 2"     | 30,99          | 17,81          | 29,21          | 67,40          | 42,29  | 8,05            | 250,00        | 9,49   |
| 40B-1  | 2"1/2x1"1/2  | on demand | on demand | on demand | 63,500 | 2"1/2  | 38,10          | 22,89          | 39,37          | 82,60          | 52,90  | 12,61           | 355,00        | 15,53  |
| 48B-1  | 3"x1"3/4     | on demand | on demand | on demand | 76,320 | 3"     | 45,72          | 29,24          | 48,26          | 99,10          | 63,80  | 20,40           | 560,00        | 24,45  |

- Double offset link
- Connecting link with cottered pin

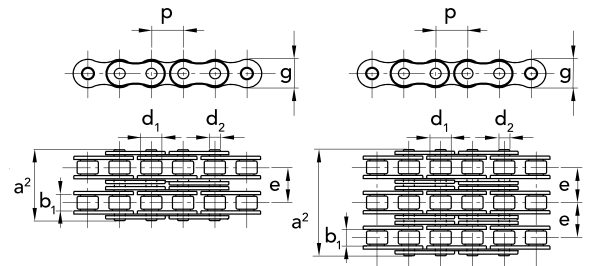


## XRC® EUROPEAN (BS) STANDARD

PACKAGE OF 2,5MT - PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.Connection links not included, purchase  
separately.

f = bearing area

## Double - Doppia

| ISO N. |               | CODE      | CODE      |           | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | f     | breaking load   | weight   |       |
|--------|---------------|-----------|-----------|-----------|-------|----------------|----------------|----------------|----------------|--------|--------|-------|-----------------|----------|-------|
|        |               | CHAIN     | C/L       | OFFSET    | mm    | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | cm <sup>2</sup> | kN. min. | kg/m  |
| 05B-2  | P8            | 70208007X | 70208057X | 70208087X | 8,00  | -              | 3,00           | 2,31           | 5,00           | 14,30  | 7,10   | 5,64  | 0,22            | 7,80     | 0,32  |
| 06B-2  | 3/8"x7/32"    | 70209007X | 70209057X | 70209087X | 9,53  | 3/8"           | 5,72           | 3,28           | 6,35           | 23,80  | 8,20   | 10,24 | 0,56            | 16,90    | 0,76  |
| 08B-2  | 1/2"x5/16"    | 70212007X | 70212057X | 70212087X | 12,70 | 1/2"           | 7,75           | 4,45           | 8,51           | 31,00  | 11,80  | 13,92 | 1,00            | 32,00    | 1,31  |
| 10B-2  | 5/8"x3/8"     | 70215007X | 70215057X | 70215087X | 15,88 | 5/8"           | 9,65           | 5,08           | 10,16          | 36,20  | 14,70  | 16,59 | 1,34            | 44,50    | 1,79  |
| 12B-2  | 3/4"x7/16     | 70219007X | 70219057X | 70219087X | 19,05 | 3/4"           | 11,68          | 5,72           | 12,07          | 42,20  | 16,10  | 19,46 | 1,78            | 57,80    | 2,22  |
| 16B-2  | 1"x17,02      | 70225007X | 70225057X | 70225087X | 25,40 | 1"             | 17,02          | 8,27           | 15,88          | 68,00  | 21,00  | 31,88 | 4,14            | 113,50   | 5,03  |
| 20B-2  | 1 1/4"x3/4"   | 70231007X | 70231157X | 70231087X | 31,75 | 1 1/4"         | 19,56          | 10,19          | 19,05          | 79,00  | 26,40  | 35,45 | 5,82            | 170,00   | 7,33  |
| 24B-2  | 1 1/2"x1"     | 70238007X | 70238157X | 70238087X | 38,10 | 1 1/2"         | 25,40          | 14,63          | 25,40          | 101,00 | 33,40  | 48,36 | 11,98           | 280,00   | 13,50 |
| 28B-2  | 1 3/4"x1 1/4" | on demand | on demand | on demand | 44,45 | 1 3/4"         | 30,99          | 15,90          | 27,94          | 124,00 | 37,00  | 59,56 | 14,52           | 360,00   | 16,96 |
| 32B-2  | 2"x1 1/4"     | on demand | on demand | on demand | 50,80 | 2"             | 30,99          | 17,81          | 29,21          | 126,00 | 42,20  | 58,55 | 16,10           | 450,00   | 18,74 |
| 40B-2  | 2 1/2"x1 1/2" | on demand | on demand | on demand | 63,50 | 2 1/2"         | 38,10          | 22,89          | 39,37          | 154,00 | 52,90  | 72,29 | 25,23           | 630,00   | 30,72 |
| 48B-2  | 3"x1 3/4"     | on demand | on demand | on demand | 76,32 | 3"             | 45,72          | 29,24          | 48,26          | 190,00 | 63,80  | 91,21 | 40,81           | 1000,00  | 48,54 |

## Triple - Tripla

| ISO N. |              | CODE      | CODE      |           | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | f     | breaking load | weight   |       |
|--------|--------------|-----------|-----------|-----------|-------|----------------|----------------|----------------|----------------|--------|--------|-------|---------------|----------|-------|
|        |              | CHAIN     | C/L       | OFFSET    | mm    | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | cm²           | kN. min. | kg/m  |
| 06B-3  | 3/8"x7/32"   | 70309007X | 70309057X | 70309087X | 9,53  | 3/8"           | 5,72           | 3,28           | 6,35           | 34,00  | 8,20   | 10,24 | 0,84          | 24,90    | 1,12  |
| 08B-3  | 1/2"x5/16"   | 70312007X | 70312057X | 70312087X | 12,70 | 1/2"           | 7,75           | 4,45           | 8,51           | 44,90  | 11,80  | 13,92 | 1,50          | 47,50    | 1,94  |
| 10B-3  | 5/8"x3/8"    | 70315007X | 70315057X | 70315087X | 15,88 | 5/8"           | 9,65           | 5,08           | 10,16          | 52,80  | 14,70  | 16,59 | 2,01          | 66,70    | 2,68  |
| 12B-3  | 3/4"x7/16    | 70319007X | 70319057X | 70319087X | 19,05 | 3/4"           | 11,68          | 5,72           | 12,07          | 61,70  | 16,10  | 19,46 | 2,64          | 86,70    | 3,32  |
| 16B-3  | 1"x17,02     | 70325007X | 70325157X | 70325087X | 25,40 | 1"             | 17,02          | 8,27           | 15,88          | 99,90  | 21,00  | 31,88 | 6,21          | 170,60   | 7,65  |
| 20B-3  | 1"1/4x3/4"   | 70331007X | 70331157X | 70331087X | 31,75 | 1 1/4"         | 19,56          | 10,19          | 19,05          | 116,00 | 26,40  | 35,45 | 8,73          | 250,00   | 10,96 |
| 24B-3  | 1"1/2x1"     | 70338007X | 70338157X | 70338087X | 38,10 | 1 1/2"         | 25,40          | 14,63          | 25,40          | 150,00 | 33,40  | 48,36 | 16,47         | 425,00   | 20,20 |
| 28B-3  | 1"3/4x1"1/4" | on demand | on demand | on demand | 44,45 | 1 3/4"         | 30,99          | 15,90          | 27,94          | 184,00 | 37,00  | 59,56 | 21,78         | 530,00   | 25,38 |
| 32B-3  | 2"x1"1/4     | on demand | on demand | on demand | 50,80 | 2"             | 30,99          | 17,81          | 29,21          | 184,00 | 42,20  | 58,55 | 24,15         | 670,00   | 28,04 |
| 40B-3  | 2"1/2x1"1/2  | on demand | on demand | on demand | 63,50 | 2"1/2          | 38,10          | 22,89          | 39,37          | 227,00 | 52,90  | 72,29 | 37,85         | 950,00   | 45,97 |
| 48B-3  | 3"x1"3/4     | on demand | on demand | on demand | 76,32 | 3"             | 45,72          | 29,24          | 48,26          | 281,00 | 63,80  | 91,21 | 61,22         | 1500,00  | 72,67 |

- Double offset link
- Connecting link with cottered pin

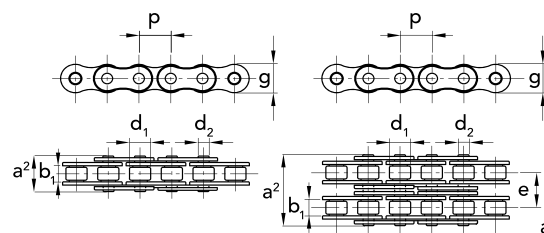


## XRC® “ANSI” ASA

PACKAGE OF 2,5MT - PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.Connection links not included, purchase  
separately.

f = bearing area

## Simple - Semplice

| ANSI N. |               | CODE      | CODE      |           | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g IP   | f      | breaking load   | weight   |       |
|---------|---------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|--------|-----------------|----------|-------|
|         |               | CHAIN     | C/L       | OFFSET    | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | cm <sup>2</sup> | kN. min. | kg/m  |
| 35-1    | 3/8"X3/16"    | 71103007X | 71103057X | 71103087X | 9,525  | 3/8"           | 4,68           | 3,59           | 5,08           | 12,18  | 8,65   | 0,27            | 7,83     | 0,34  |
| 40-1    | 1/2"X5/16"    | 71104007X | 71104057X | 71104087X | 12,700 | 1/2"           | 7,85           | 3,96           | 7,92           | 17,80  | 12,00  | 0,44            | 14,10    | 0,63  |
| 50-1    | 5/8"X3/8"     | 71105007X | 71105057X | 71105087X | 15,875 | 5/8"           | 9,40           | 5,08           | 10,16          | 21,80  | 15,00  | 0,71            | 22,20    | 1,04  |
| 60-1    | 3/4"X1/2"     | 71106007X | 71106057X | 71106087X | 19,050 | 3/4"           | 12,58          | 5,94           | 11,91          | 26,90  | 18,00  | 1,04            | 31,80    | 1,52  |
| 80-1    | 1"X5/8"       | 71108007X | 71108057X | 71108087X | 25,400 | 1"             | 15,75          | 7,92           | 15,88          | 33,50  | 24,10  | 1,77            | 56,70    | 2,58  |
| 100-1   | 1"1/4X3/4"    | 71110007X | 71110157X | 71110087X | 31,750 | 1 1/4"         | 18,90          | 9,53           | 19,05          | 41,10  | 30,10  | 2,59            | 88,50    | 3,85  |
| 120-1   | 1"1/2X1"      | 71112007X | 71112157X | 71112087X | 38,100 | 1 1/2"         | 25,22          | 11,10          | 22,23          | 50,80  | 36,20  | 3,90            | 127,00   | 5,61  |
| 140-1   | 1"3/4X1"      | 71114007X | 71114157X | 71114087X | 44,450 | 1 3/4"         | 25,22          | 12,70          | 25,40          | 54,90  | 42,20  | 4,67            | 172,40   | 7,24  |
| 160-1   | 2"X1"1/4      | 71116007X | 71116157X | 71116087X | 50,800 | 2"             | 31,55          | 14,27          | 28,58          | 65,50  | 48,20  | 6,38            | 226,80   | 9,91  |
| 180-1   | 2"1/4X1"13/32 | on demand | on demand | on demand | 57,15  | 2"1/4          | 35,48          | 17,46          | 35,71          | 73,9   | 54,31  | 9,38            | 280,2    | 13,23 |
| 200-1   | 2"1/2X1"1/2   | on demand | on demand | on demand | 63,500 | 2"1/2          | 37,85          | 19,84          | 39,68          | 80,30  | 60,30  | 10,75           | 353,80   | 16,26 |
| 240-1   | 3"X1"7/8      | on demand | on demand | on demand | 76,200 | 3"             | 47,35          | 23,80          | 47,63          | 95,50  | 72,30  | 15,90           | 520,40   | 23,63 |

## Double - Doppia

| ANSI N. |               | CODE      | CODE      |           | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | gIP    | e      | f     | breaking load   | weight   |       |
|---------|---------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|-----------------|----------|-------|
|         |               | CHAIN     | C/L       | OFFSET    | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | cm <sup>2</sup> | kN. min. | kg/m  |
| 35-2    | 3/8"x3/16"    | 71203007X | 71203057X | 71203087X | 9,525  | 3/8"           | 4,68           | 3,59           | 5,08           | 24,20  | 8,65   | 10,13 | 0,53            | 15,85    | 0,67  |
| 40-2    | 1/2"x5/16"    | 71204007X | 71204057X | 71204087X | 12,700 | 1/2"           | 7,85           | 3,96           | 7,92           | 32,30  | 12,00  | 14,38 | 0,88            | 28,20    | 1,26  |
| 50-2    | 5/8"x3/8"     | 71205007X | 71205057X | 71205087X | 15,875 | 5/8"           | 9,40           | 5,08           | 10,16          | 39,90  | 15,00  | 18,11 | 1,42            | 44,40    | 2,05  |
| 60-2    | 3/4"x1/2"     | 71206007X | 71206057X | 71206087X | 19,050 | 3/4"           | 12,58          | 5,94           | 11,91          | 49,80  | 18,00  | 22,78 | 2,08            | 63,60    | 3,01  |
| 80-2    | 1"x5/8"       | 71208007X | 71208057X | 71208087X | 25,400 | 1"             | 15,75          | 7,92           | 15,88          | 62,70  | 24,10  | 29,29 | 3,54            | 113,40   | 5,13  |
| 100-2   | 1"1/4x3/4"    | 71210007X | 71210157X | 71210087X | 31,750 | 1 1/4"         | 18,90          | 9,53           | 19,05          | 77,00  | 30,10  | 35,76 | 5,18            | 177,00   | 7,64  |
| 120-2   | 1"1/2x1"      | 71212007X | 71212157X | 71212087X | 38,100 | 1 1/2"         | 25,22          | 11,10          | 22,23          | 96,30  | 36,20  | 45,44 | 7,80            | 254,00   | 11,13 |
| 140-2   | 1"3/4x1"      | on demand | on demand | on demand | 44,450 | 1 3/4"         | 25,22          | 12,70          | 25,40          | 103,00 | 42,20  | 48,87 | 9,36            | 344,80   | 14,37 |
| 160-2   | 2"x1"1/4      | on demand | on demand | on demand | 50,800 | 2"             | 31,55          | 14,27          | 28,58          | 124,00 | 48,20  | 58,55 | 12,77           | 453,60   | 19,68 |
| 180-2   | 2"1/4x1"13/32 | on demand | on demand | on demand | 57,15  | 2"1/4          | 35,48          | 17,46          | 35,71          | 140,00 | 54,31  | 65,84 | 18,8            | 560,5    | 26,46 |
| 200-2   | 2"1/2x1"1/2   | on demand | on demand | on demand | 63,500 | 2"1/2          | 37,85          | 19,84          | 39,68          | 151,00 | 60,30  | 71,55 | 21,50           | 707,60   | 32,83 |
| 240-2   | 3"x1"7/8      | on demand | on demand | on demand | 76,200 | 3"             | 47,35          | 23,80          | 47,63          | 183,00 | 72,30  | 87,83 | 31,80           | 1040,80  | 46,72 |

▪ Connecting link with cottered pin



## XRC® “ANSI” ASA

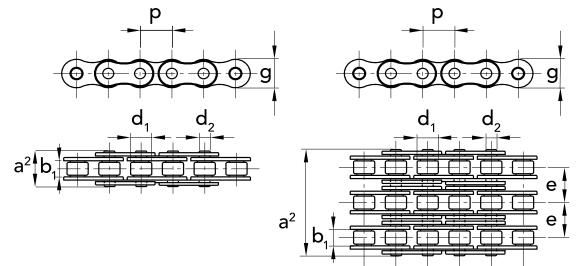
PACKAGE OF 2,5MT - PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.



f = bearing area

## Triple - Tripla

| ANSI N. |               | CODE      | CODE      |           | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g IP   | e     | f     | breaking load | weight  |       |
|---------|---------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|-------|-------|---------------|---------|-------|
|         | CHAIN         | C/L       | OFFSET    | mm        | inch   | min.mm         | mm             | max mm         | max mm         | max mm | mm    | cm²   | kN. min.      | kg/m    |       |
| 35-3    | 3/8"x3/16"    | on demand | on demand | on demand | 9,525  | 3/8"           | 4,68           | 3,59           | 5,08           | 34,30  | 8,65  | 10,13 | 0,80          | 23,48   | 0,99  |
| 40-3    | 1/2"x5/16"    | on demand | on demand | on demand | 12,700 | 1/2"           | 7,85           | 3,96           | 7,92           | 46,70  | 12,00 | 14,38 | 1,32          | 42,30   | 1,98  |
| 50-3    | 5/8"x3/8"     | on demand | on demand | on demand | 15,875 | 5/8"           | 9,40           | 5,08           | 10,16          | 57,90  | 15,00 | 18,11 | 2,13          | 66,60   | 3,06  |
| 60-3    | 3/4"x1/2"     | 71306007X | 71306057X | 71306087X | 19,050 | 3/4"           | 12,58          | 5,94           | 11,91          | 72,60  | 18,00 | 22,78 | 3,12          | 95,40   | 4,50  |
| 80-3    | 1"x5/8"       | 71308007X | 71308057X | 71308087X | 25,400 | 1"             | 15,75          | 7,92           | 15,88          | 91,70  | 24,10 | 29,29 | 5,31          | 170,10  | 7,67  |
| 100-3   | 1 1/4"x3/4"   | 71310007X | 71310157X | 71310087X | 31,750 | 1 1/4"         | 18,90          | 9,53           | 19,05          | 113,00 | 30,10 | 35,76 | 7,77          | 265,50  | 11,43 |
| 120-3   | 1 1/2"x2x1"   | on demand | on demand | on demand | 38,100 | 1 1/2"         | 25,22          | 11,10          | 22,23          | 141,03 | 36,20 | 45,44 | 11,70         | 381,00  | 16,67 |
| 140-3   | 1 3/4"x1"     | on demand | on demand | on demand | 44,450 | 1 3/4"         | 25,22          | 12,70          | 25,40          | 152,00 | 42,20 | 48,87 | 14,03         | 517,20  | 21,51 |
| 160-3   | 2"x1 1/4"     | on demand | on demand | on demand | 50,800 | 2"             | 31,55          | 14,27          | 28,58          | 182,00 | 48,20 | 58,55 | 19,16         | 680,40  | 29,45 |
| 180-3   | 2 1/4"x1 1/2" | on demand | on demand | on demand | 57,150 | 2 1/4"         | 35,48          | 17,46          | 35,71          | 206    | 54,31 | 65,84 | 28,10         | 840,70  | 39,66 |
| 200-3   | 2 1/2"x1 1/2" | on demand | on demand | on demand | 63,500 | 2 1/2"         | 37,85          | 19,84          | 39,68          | 223,00 | 60,30 | 71,55 | 32,26         | 1061,40 | 48,28 |
| 240-3   | 3"x1 7/8"     | on demand | on demand | on demand | 76,200 | 3"             | 47,35          | 23,80          | 47,63          | 271,00 | 72,30 | 87,83 | 47,74         | 1561,20 | 69,77 |

## Simple reinforced - Semplice rinforzata

| ANSI N. | CODE       |           | CODE      | P         |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g IP   | f     | breaking load | weight |       |
|---------|------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|-------|---------------|--------|-------|
|         | CHAIN      | C/L       | OFFSET    | mm        | inch   | min.mm         | mm             | max mm         | max mm         | max mm | cm²   | kN. min.      | kg/m   |       |
| 60H-1   | 3/4"X1/2"  | 72906007X | 72906057X | 72906087X | 19,050 | 3/4"           | 12,58          | 5,94           | 11,91          | 31,20  | 18,00 | 1,14          | 31,27  | 1,81  |
| 80H-1   | 1"X5/8"    | 72908007X | 72908057X | 72908087X | 25,400 | 1"             | 15,75          | 7,94           | 15,88          | 38,00  | 24,10 | 1,89          | 55,60  | 3,00  |
| 100H-1  | 1"1/4X3/4" | 72910007X | 72910057X | 72910087X | 31,750 | 1"1/4          | 18,90          | 9,54           | 19,05          | 45,40  | 30,10 | 2,75          | 86,87  | 4,38  |
| 120H-1  | 1"1/2X1"   | on demand | on demand | on demand | 38,100 | 1"1/2          | 25,22          | 11,11          | 22,23          | 55,10  | 36,20 | 4,10          | 125,10 | 6,61  |
| 140H-1  | 1"3/4X1"   | on demand | on demand | on demand | 44,450 | 1 3/4"         | 25,22          | 12,71          | 25,40          | 60,40  | 42,20 | 4,67          | 170,27 | 8,33  |
| 160H-1  | 2"X1"1/4   | on demand | on demand | on demand | 50,800 | 2"             | 31,55          | 14,29          | 28,58          | 70,00  | 48,20 | 6,38          | 222,40 | 10,88 |

• Connecting link with cottered pin



## XRC® STAINLESS STEEL AISI 304

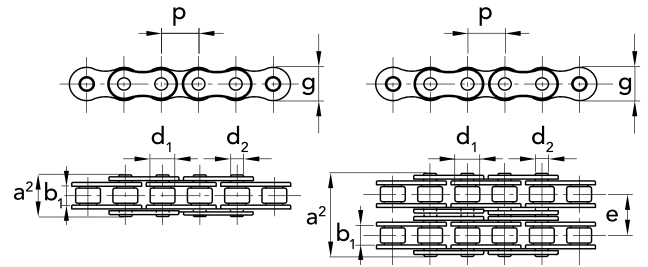
PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately. - Solid rollers.



f = bearing area

### Simple - Semplice

| ISO N.  |            | CODE      | CODE      |           | P     |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f               | breaking load | weight |
|---------|------------|-----------|-----------|-----------|-------|------|----------------|----------------|----------------|----------------|--------|-----------------|---------------|--------|
|         | CHAIN      | C/L       | OFFSET    |           | mm    | inch | min.mm         | mm             | max mm         | max mm         | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |
| SS05B-1 | P8         | 74108007X | 74108057X | 74108087X | 8,00  | -    | 3,00           | 2,31           | 5,00           | 8,60           | 7,10   | 0,11            | 3,50          | 0,18   |
| SS06B-1 | 3/8"X7/32" | 74109007X | 74109057X | 74109087X | 9,53  | 3/8" | 5,72           | 3,28           | 6,35           | 13,50          | 8,20   | 0,28            | 6,65          | 0,40   |
| SS08B-1 | 1/2"X5/16" | 74112007X | 74112057X | 74112087X | 12,70 | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,80  | 0,50            | 12,00         | 0,68   |
| SS10B-1 | 5/8"X3/8"  | 74115007X | 74115057X | 74115087X | 15,88 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,70  | 0,67            | 15,00         | 0,91   |
| SS12B-1 | 3/4"X7/16" | 74119007X | 74119057X | 74119087X | 19,05 | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,10  | 0,88            | 17,00         | 1,12   |
| SS16B-1 | 1"X17,02   | 74125007X | 74125057X | 74125087X | 25,40 | 1"   | 17,02          | 8,28           | 15,88          | 36,10          | 21,00  | 2,07            | 40,00         | 2,59   |

### Double - Doppia

| ISO N.  |            | CODE      | CODE      |           | P     |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e     | f               | breaking load | weight |
|---------|------------|-----------|-----------|-----------|-------|------|----------------|----------------|----------------|----------------|--------|-------|-----------------|---------------|--------|
|         | CHAIN      | C/L       | OFFSET    |           | mm    | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | cm <sup>2</sup> | kN. min.      | kg/m   |
| SS06B-2 | 3/8"X7/32" | 74209007X | 74209057X | 74209087X | 9,53  | 3/8" | 5,72           | 3,28           | 6,35           | 23,80          | 8,20   | 10,24 | 0,55            | 10,50         | 0,74   |
| SS08B-2 | 1/2"X5/16" | 74212007X | 74212057X | 74212087X | 12,7  | 1/2" | 7,75           | 4,45           | 8,51           | 31,00          | 11,80  | 13,92 | 1,00            | 22,00         | 1,40   |
| SS10B-2 | 5/8"X3/8"  | 74215007X | 74215057X | 74215087X | 15,88 | 5/8" | 9,65           | 5,08           | 10,16          | 36,20          | 14,70  | 16,59 | 1,34            | 28,45         | 2,21   |
| SS12B-2 | 3/4"X7/16" | 74219007X | 74219057X | 74219087X | 19,05 | 3/4" | 11,68          | 5,72           | 12,07          | 42,20          | 16,10  | 19,46 | 1,76            | 37,25         | 3,00   |
| SS16B-2 | 1"X17,02   | 74225007X | 74225057X | 74225087X | 25,4  | 1"   | 17,02          | 8,27           | 15,88          | 68,00          | 21,00  | 31,88 | 4,14            | 74,45         | 5,08   |

### STAINLESS STEEL CHAINS

- Roller chains made of stainless steel (SS304).
- Chains with solid rollers, supplied lightly oiled, are designed to offer excellent corrosion resistance.
- Used in atmosphere where chains are exposed to chemicals, water and heat.
- Chains can operate in a temperature range of -20°C to +400°C.



## XRC® NICKEL PLATED

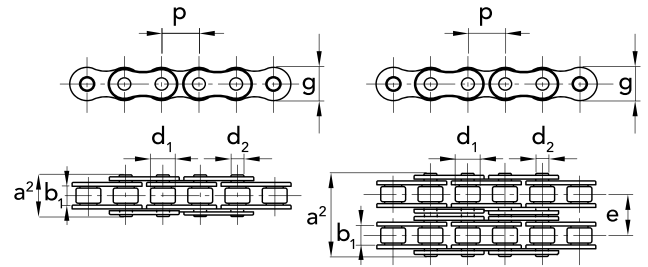
PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.



f = bearing area

### Simple - Semplice

| ISO N.  |            | CODE      | CODE      |           | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f      | breaking load | weight   |      |
|---------|------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------|------|
|         |            | CHAIN     | C/L       | OFFSET    | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | cm²           | kN. min. | kg/m |
| NP06B-1 | 3/8"X7/32" | 73109007X | 73109057X | 73109087X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,50  | 8,26   | 0,28          | 9,00     | 0,40 |
| NP08B-1 | 1/2"X5/16" | 73112007X | 73112057X | 73112087X | 12,700 | 1/2"           | 7,75           | 4,45           | 8,51           | 17,00  | 11,81  | 0,50          | 18,00    | 0,68 |
| NP10B-1 | 5/8"X3/8"  | 73115007X | 73115057X | 73115087X | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 19,60  | 14,73  | 0,67          | 22,40    | 0,91 |
| NP12B-1 | 3/4"X7/16  | 73119007X | 73119057X | 73119087X | 19,050 | 3/4"           | 11,68          | 5,72           | 12,07          | 22,70  | 16,13  | 0,88          | 29,00    | 1,12 |
| NP16B-1 | 1"X17,02   | 73125007X | 73125057X | 73125087X | 25,400 | 1"             | 17,02          | 8,27           | 15,88          | 36,10  | 21,08  | 2,07          | 60,00    | 2,59 |

### Double - Doppia

| ISO N.  |            | CODE      | CODE      |           | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | f     | breaking load   | weight   |      |
|---------|------------|-----------|-----------|-----------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|-----------------|----------|------|
|         |            | CHAIN     | C/L       | OFFSET    | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | cm <sup>2</sup> | kN. min. | kg/m |
| NP06B-2 | 3/8"X7/32" | 73209007X | 73209057X | 73209087X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 23,80  | 8,20   | 10,24 | 0,56            | 16,90    | 0,76 |
| NP08B-2 | 1/2"X5/16" | 73212007X | 73212057X | 73212087X | 12,700 | 1/2"           | 7,75           | 4,45           | 8,51           | 31,00  | 11,80  | 13,92 | 1,00            | 32,00    | 1,31 |
| NP10B-2 | 5/8"X3/8"  | 73215007X | 73215057X | 73215087X | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 36,20  | 14,70  | 16,59 | 1,34            | 44,50    | 1,79 |
| NP12B-2 | 3/4"X7/16  | 73219007X | 73219057X | 73219087X | 19,050 | 3/4"           | 11,68          | 5,72           | 12,07          | 42,20  | 16,10  | 19,46 | 1,78            | 57,80    | 2,22 |
| NP16B-2 | 1"X17,02   | 73225007X | 73225057X | 73225087X | 25,400 | 1"             | 17,02          | 8,27           | 15,88          | 68,00  | 21,00  | 31,88 | 4,14            | 106,00   | 5,03 |

### NICKEL PLATED CHAINS

- Nickel Plated chains: these chains are ideal for use in light corrosive atmosphere, for protection in high humidity or washdown environments.
- All components are chemically nickel-plated prior to assembly.
- The mechanical strength of the chain is the same as standard not plated chains.
- Pins offer a high level of corrosion protection and wear resistance.
- Chains are fitted with seamless rollers and are supplied lightly oiled.
- Nickel-plated chains are used mainly in the food and packaging industry.





## XRC® STRAIGHT SIDE PLATE

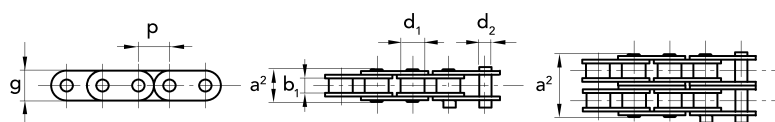
PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.

Connection links not included, purchase  
separately.



f = bearing area

### Simple - Semplice

| ISO N.  |            | CODE      | CODE      |           | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f               | breaking load | weight |
|---------|------------|-----------|-----------|-----------|--------|------|----------------|----------------|----------------|----------------|--------|-----------------|---------------|--------|
|         | CHAIN      | C/L       | OFFSET    |           | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |
| 06B-1   | 3/8"x7/32" | 70109007X | 70109057X | 70109087X | 9,525  | 3/8" | 5,72           | 3,28           | 6,35           | 13,50          | 8,26   | 0,28            | 9,00          | 0,40   |
| GL08B-1 | 1/2"x5/16" | 74112607X | 74112657X | 70112687X | 12,70  | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,80  | 0,50            | 18,00         | 0,75   |
| GL10B-1 | 5/8"x3/8"  | 74115607X | 74115657X | 70115687X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,70  | 0,67            | 22,40         | 0,98   |
| GL12B-1 | 3/4"x7/16" | 74119607X | 74119657X | 70119687X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,10  | 0,88            | 29,00         | 1,24   |
| GL16B-1 | 1"x17,02   | 74225607X | 74225657X | 70225087X | 25,40  | 1"   | 17,02          | 8,27           | 15,88          | 36,10          | 20,58  | 2,07            | 60,00         | 3,30   |

### Double - Doppia

| ISO N.  |            | CODE      | CODE      |           | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f               | breaking load | weight |
|---------|------------|-----------|-----------|-----------|--------|------|----------------|----------------|----------------|----------------|--------|-----------------|---------------|--------|
|         | CHAIN      | C/L       | OFFSET    |           | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |
| 06B-2   | 3/8"x7/32" | 70209007X | 70209057X | 70209087X | 9,525  | 3/8" | 5,72           | 3,28           | 6,35           | 23,80          | 8,20   | 0,56            | 16,90         | 0,76   |
| GL08B-2 | 1/2"x5/16" | 74212607X | 74212657X | 74212687X | 12,70  | 1/2" | 7,75           | 4,45           | 8,51           | 31,00          | 11,80  | 1,00            | 32,00         | 1,44   |
| GL10B-2 | 5/8"x3/8"  | 74215607X | 74215657X | 70215087X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 36,20          | 14,70  | 1,34            | 44,50         | 1,97   |
| GL12B-2 | 3/4"x7/16" | 74219607X | 74219657X | 70219087X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 42,20          | 16,10  | 1,76            | 57,80         | 2,27   |
| GL16B-2 | 1"x17,02   | 74125607X | 74125657X | 70125687X | 25,40  | 1"   | 17,02          | 8,27           | 15,88          | 68,00          | 20,58  | 4,14            | 113,76        | 5,78   |

- 06B-1 and 06B-2 chains straight plate side as ISO606 requirement.



## XRC® HOLLOW PINS

PACKAGE OF 5MT

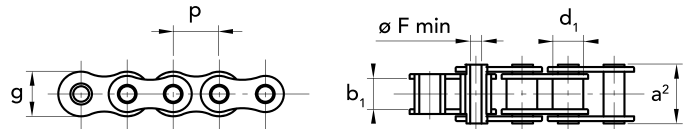
CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.

### Rollerless type

Connection links not included, purchase separately.



f = bearing area

### Simple - Semplice

| ISO N.  | CODE       |           | CODE      |           | P      |      | b <sub>1</sub> | d <sub>1</sub> | a <sup>2</sup> | Ø F    | g      | f               | breaking load | weight |
|---------|------------|-----------|-----------|-----------|--------|------|----------------|----------------|----------------|--------|--------|-----------------|---------------|--------|
|         | CHAIN      | C/L       | OFFSET    |           | mm     | inch | min.mm         | max mm         | max mm         | max mm | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |
| HP08B-1 | 1/2"X5/16" | 74112707X | 74112757X | 74112787X | 12,700 | 1/2" | 7,75           | 8,51           | 17,20          | 4,50   | 11,80  | 0,70            | 9,50          | 0,5    |
| HP10B-1 | 5/8"X3/8"  | on demand | on demand | on demand | 15,875 | 5/8" | 9,65           | 10,16          | 19,60          | 5,18   | 14,70  | 1,00            | 12,80         | 0,8    |



## XRC® PRO

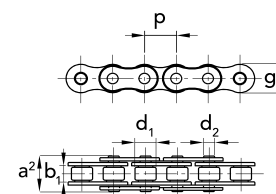
PACKAGE OF 2,5MT - PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.



f = bearing area

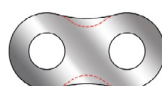
| Simple - Semplice |            |            |            |           |        |                |                |                |                |        |                 |               |        |      |
|-------------------|------------|------------|------------|-----------|--------|----------------|----------------|----------------|----------------|--------|-----------------|---------------|--------|------|
| ISO N.            | CODE       |            | CODE       | P         |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | f               | breaking load | weight |      |
|                   | CHAIN      | C/L        | OFFSET     | mm        | inch   | min.mm         | mm             | max mm         | max mm         | max mm | cm <sup>2</sup> | kN. min.      | kg/m   |      |
| PRO08B-1          | 1/2"x5/16" | on demand  | on demand  | 70112087X | 12.70  | 1/2"           | 7,75           | 4,45           | 8,51           | 20,90  | 11,81           | 0,50          | 20,79  | 0,74 |
| PRO10B-1          | 5/8"x3/8"  | on demand  | on demand  | 70115087X | 15.875 | 5/8"           | 9,65           | 5,08           | 10,16          | 23,70  | 14,73           | 0,67          | 27,65  | 0,98 |
| PRO12B-1          | 3/4"x7/16  | on demand  | on demand  | 70119087X | 19.05  | 3/4"           | 11,68          | 5,72           | 12,07          | 27,30  | 16,13           | 0,88          | 33,34  | 1,20 |
| PRO16B-1          | 1"x17,02   | 70125007XP | 70125057XP | 70125087X | 25.40  | 1"             | 17,02          | 8,27           | 15,88          | 41,50  | 21,08           | 2,07          | 73,55  | 2,87 |
| PRO20B-1          | 1"1/4x3/4" | on demand  | on demand  | 70131087X | 31.75  | 1 1/4"         | 19,56          | 10,19          | 19,05          | 49,30  | 26,42           | 2,91          | 110,82 | 3,85 |

### HIGH PERFORMANCE PRO CHAINS

- Higher breaking load
- Increased fatigue strength and wear life

### OPTIMIZED PLATE PROFILE

- Reduction of stress on plate holes
- Increased plate width enhances breaking load



### SHOT PEENED PLATES

- Fatigue life is enhanced by shot peening and pre-stressing processes



## XRC<sup>®</sup> ROLLER CHAIN WITH ATTACHMENTS

Our XRC<sup>®</sup> attachment chains are designed to transform standard power transmission into high-precision conveying systems. Engineered for reliability, these chains ensure seamless synchronization and maximum versatility across all industrial sectors.

### CORE SPECIFICATIONS:

- **Standards:** compliant with DIN 8187
- **Configurations:** wide range of **Bent (A1, A2, K1, K2)** and **Straight (M1, M2, M35, M35/02)** attachments and **Extended Pins**

### CUSTOM FEATURES:

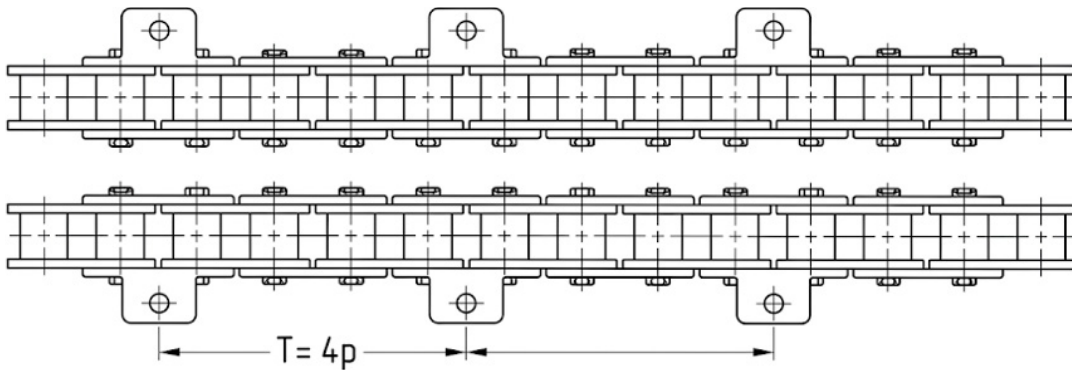
- **Standards** attachments at specific intervals, on one or both sides, are available **on demand**
- **Special** attachments, according to customer drawing, are available **on demand**

### HOW TO ORDER A ROLLER CHAIN WITH ATTACHMENTS:

- **Chain Type:** 06B-1, 08B-1...
- **Attachment Code Type:** A1, A2, K1, K2, M1, M2, M35 or M35-2
- **Attachment Combination:** details about design (eg. one side or both sides) are required.  
Preferably in multiples of pitch, standard attachments are typically designed to fit only on the outer links.

### CHAIN LENGTH:

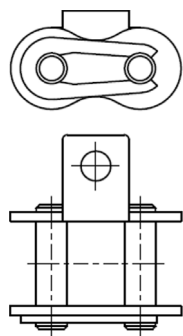
- **5 Mt Length:** The end links are always inner links (connecting links must be ordered separately).
- **Custom Length:** Number of links must be clearly stated (as per below sketch).



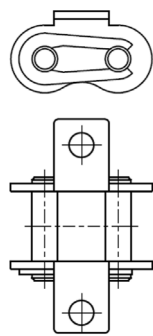


## XRC<sup>®</sup> ROLLER CHAIN WITH ATTACHMENTS

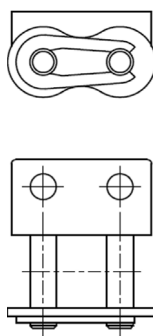
A1 SPRING CLIP CONNECTING LINK



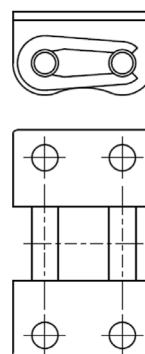
K1 SPRING CLIP CONNECTING LINK



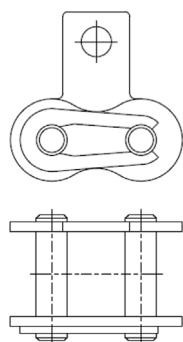
A2 SPRING CLIP CONNECTING LINK



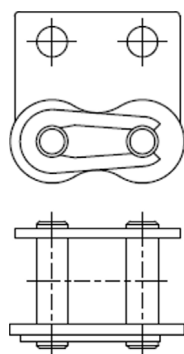
K2 SPRING CLIP CONNECTING LINK



M1 / M35 SPRING CLIP CONNECTING LINK



M2 / M35-2 SPRING CLIP CONNECTING LINK





# XRC<sup>®</sup> ROLLER CHAIN WITH STANDARD (DIN 8187) BENT ATTACHMENTS TYPE "A"

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

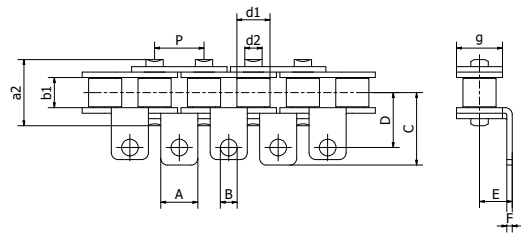
All XRC<sup>®</sup> chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.

Connection links not included, purchase  
separately.

## EUROPEAN SERIES

### A1: One Side and One Bore Hole

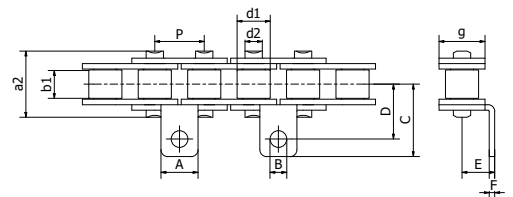
#### 01: Mounted on the inner and the outer links



| ISO N. |            | CODE         | CODE         | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A      | B     | C    | D      | E     | F     | breaking load |       |
|--------|------------|--------------|--------------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|------|--------|-------|-------|---------------|-------|
|        |            | CHAIN        | C/L          | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | mm   | max mm | mm    | mm    | kN. min.      |       |
| 06B-1  | 3/8"x7/32" | 75109007A11X | 75109057A11X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,50  | 8,26   | 8,00  | 3,50 | 13,50  | 9,50  | 6,50  | 1,03          | 9,10  |
| 08B-1  | 1/2"x5/16" | 75112007A11X | 75112057A11X | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,00  | 11,81  | 11,00 | 4,50 | 18,20  | 12,70 | 8,40  | 1,40          | 18,40 |
| 10B-1  | 5/8"x3/8"  | 75115007A11X | 75115057A11X | 15,875 | 5/8"           | 9,65           | 5,07           | 10,16          | 18,67  | 14,48  | 14,28 | 5,30 | 22,30  | 15,90 | 10,30 | 1,63          | 22,90 |
| 12B-1  | 3/4"x7/16  | 75119007A11X | 75119057A11X | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 22,20  | 15,82  | 15,85 | 6,60 | 26,15  | 19,05 | 13,50 | 1,80          | 29,60 |
| 16B-1  | 1"x17,02   | 75125007A11X | 75125057A11X | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,10  | 21,08  | 19,00 | 6,80 | 37,40  | 25,40 | 15,90 | 3,00          | 61,20 |

### A1: One Side and One Bore Hole

#### 02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A      | B     | C    | D      | E     | F     | breaking load |       |
|--------|------------|--------------|--------------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|------|--------|-------|-------|---------------|-------|
|        |            | CHAIN        | C/L          | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | mm   | max mm | mm    | mm    | kN. min.      |       |
| 06B-1  | 3/8"x7/32" | 75109007A12X | 75109057A12X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,50  | 8,26   | 8,00  | 3,50 | 13,50  | 9,50  | 6,50  | 1,03          | 9,10  |
| 08B-1  | 1/2"x5/16" | 75112007A12X | 75112057A12X | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,00  | 11,81  | 11,00 | 4,50 | 18,20  | 12,70 | 8,89  | 1,40          | 18,40 |
| 10B-1  | 5/8"x3/8"  | 75115007A12X | 75115057A12X | 15,875 | 5/8"           | 9,65           | 5,07           | 10,16          | 18,67  | 14,48  | 14,28 | 5,30 | 22,30  | 15,90 | 10,30 | 1,63          | 22,90 |
| 12B-1  | 3/4"x7/16  | 75119007A12X | 75119057A12X | 19,05  | 3/4"           | 11,68          | 5,71           | 12,07          | 22,20  | 15,82  | 15,85 | 6,60 | 26,15  | 19,05 | 13,50 | 1,80          | 29,60 |
| 16B-1  | 1"x17,02   | 75125007A12X | 75125057A12X | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,10  | 21,08  | 18,85 | 6,80 | 37,40  | 25,40 | 15,90 | 3,00          | 61,20 |



## XRC® ROLLER CHAIN WITH STANDARD (DIN 8187) BENT ATTACHMENTS TYPE "A"

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

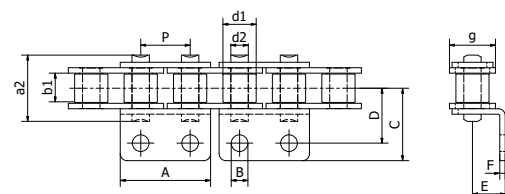
All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## A2: One Side and Two Bore Holes

### 02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A      | B     | C    | D      | E     | F     | breaking load |          |
|--------|------------|--------------|--------------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|------|--------|-------|-------|---------------|----------|
|        |            | CHAIN        | C/L          | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | mm   | max mm | mm    | mm    | mm            | kN. min. |
| 06B-1  | 3/8"x7/32" | 75109007A22X | 75109057A22X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,50  | 8,26   | 17,60 | 3,50 | 13,50  | 9,50  | 6,50  | 1,03          | 9,10     |
| 08B-1  | 1/2"x5/16" | 75112007A22X | 75112057A22X | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,00  | 11,81  | 23,22 | 4,50 | 18,20  | 12,70 | 8,89  | 1,40          | 18,40    |
| 10B-1  | 5/8"x3/8"  | 75115007A22X | 75115057A22X | 15,875 | 5/8"           | 9,65           | 5,07           | 10,16          | 19,60  | 14,48  | 29,31 | 5,50 | 22,37  | 15,90 | 10,30 | 1,63          | 22,90    |
| 12B-1  | 3/4"x7/16  | 75119007A22X | 75119057A22X | 19,05  | 3/4"           | 11,68          | 5,71           | 12,07          | 22,20  | 15,82  | 32,99 | 6,60 | 26,20  | 19,05 | 13,50 | 1,80          | 29,50    |
| 16B-1  | 1"x17/32   | 75125007A22X | 75125057A22X | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,10  | 21,08  | 45,90 | 6,80 | 37,40  | 25,40 | 15,90 | 3,00          | 61,20    |



## XRC<sup>®</sup> ROLLER CHAIN WITH STANDARD (DIN 8187) BENT ATTACHMENTS TYPE "K"

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

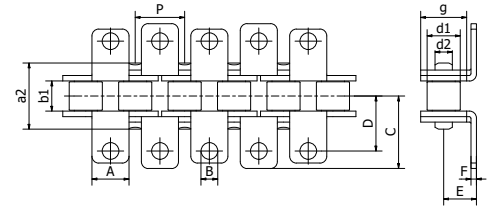
All XRC<sup>®</sup> chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## K1: Two Sides and One Bore Hole

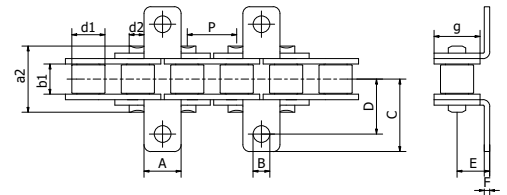
### 01: Mounted on the inner and the outer links



| ISO N. |            | CODE         | CODE         | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | E     | F    | breaking load |
|--------|------------|--------------|--------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|-------|------|---------------|
|        |            | CHAIN        | C/L          | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm    | mm   | kN. min.      |
| 06B-1  | 3/8"x7/32" | 75109007K11X | 75109057K11X | 9,525  | 3/8" | 5,72           | 3,28           | 6,35           | 13,50          | 8,26   | 8,00  | 3,50 | 13,50  | 9,50  | 6,50  | 1,03 | 9,10          |
| 08B-1  | 1/2"x5/16" | 75112007K11X | 75112057K11X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 11,00 | 4,50 | 18,20  | 12,70 | 8,90  | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007K11X | 75115057K11X | 15,875 | 5/8" | 9,65           | 5,07           | 10,16          | 18,67          | 14,48  | 14,28 | 5,30 | 22,30  | 15,90 | 10,30 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16  | 75119007K11X | 75119057K11X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,20          | 15,82  | 15,85 | 6,60 | 26,15  | 19,05 | 13,50 | 1,80 | 29,60         |
| 16B-1  | 1"x17,02   | 75125007K11X | 75125057K11X | 25,4   | 1"   | 17,02          | 8,28           | 15,88          | 36,10          | 21,08  | 18,85 | 6,80 | 37,40  | 25,40 | 15,90 | 3,00 | 58,00         |

## K1: Two Sides and One Bore Hole

### 02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | E     | F    | breaking load |
|--------|------------|--------------|--------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|-------|------|---------------|
|        |            | CHAIN        | C/L          | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm    | mm   | kN. min.      |
| 06B-1  | 3/8"x7/32" | 75109007K12X | 75109057K12X | 9,525  | 3/8" | 5,72           | 3,28           | 6,35           | 13,50          | 8,26   | 8,00  | 3,50 | 13,50  | 9,50  | 6,50  | 1,03 | 9,10          |
| 08B-1  | 1/2"x5/16" | 75112007K12X | 75112057K12X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 11,00 | 4,50 | 18,20  | 12,70 | 8,89  | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007K12X | 75115057K12X | 15,875 | 5/8" | 9,65           | 5,07           | 10,16          | 18,67          | 14,48  | 14,28 | 5,30 | 22,30  | 15,90 | 10,30 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16  | 75119007K12X | 75119057K12X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,20          | 15,82  | 15,85 | 6,60 | 26,17  | 19,05 | 13,50 | 1,80 | 29,60         |
| 16B-1  | 1"x17,02   | 75125007K12X | 75125057K12X | 25,4   | 1"   | 17,02          | 8,28           | 15,88          | 36,10          | 21,08  | 18,85 | 6,80 | 37,40  | 25,40 | 15,90 | 3,00 | 61,20         |





## XRC® ROLLER CHAIN WITH STANDARD (DIN 8187) BENT ATTACHMENTS TYPE “K”

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

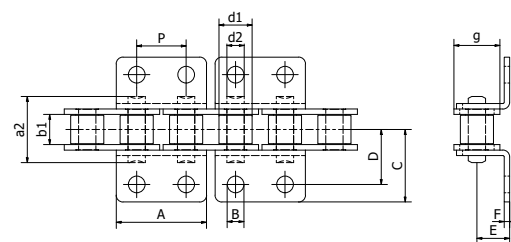
All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## K2: Two Sides and Two Bore Holes

### 02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A      | B     | C    | D      | E     | F     | breaking load |          |
|--------|------------|--------------|--------------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|------|--------|-------|-------|---------------|----------|
|        |            | CHAIN        | C/L          | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm    | mm   | max mm | mm    | mm    | mm            | kN. min. |
| 06B-1  | 3/8"x7/32" | 75109007K22X | 75109057K22X | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,50  | 8,26   | 17,60 | 3,50 | 13,50  | 9,50  | 6,50  | 1,03          | 9,10     |
| 08B-1  | 1/2"x5/16" | 75112007K22X | 75112057K22X | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,00  | 11,81  | 23,22 | 4,50 | 18,20  | 12,70 | 8,89  | 1,40          | 18,40    |
| 10B-1  | 5/8"x3/8"  | 75115007K22X | 75115057K22X | 15,875 | 5/8"           | 9,65           | 5,07           | 10,16          | 18,68  | 14,48  | 29,30 | 5,50 | 22,30  | 15,90 | 10,30 | 1,63          | 22,90    |
| 12B-1  | 3/4"x7/16  | 75119007K22X | 75119057K22X | 19,05  | 3/4"           | 11,68          | 5,71           | 12,07          | 22,20  | 15,82  | 32,99 | 6,60 | 26,20  | 19,05 | 13,50 | 1,80          | 29,60    |
| 16B-1  | 1"x17.02   | 75125007K22X | 75125057K22X | 25.4   | 1"             | 17.02          | 8.28           | 15.88          | 36.10  | 21.08  | 45.90 | 6.80 | 39.10  | 25.40 | 15.90 | 3.00          | 61.20    |



## XRC® ROLLER CHAIN WITH STRAIGHT ATTACHMENTS TYPE “M”

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

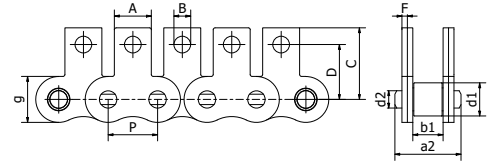
All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## M1: Two Sides and One Bore Hole

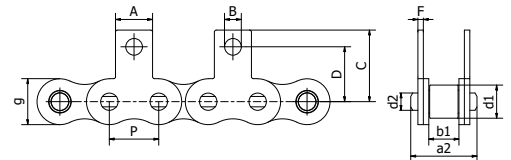
### 01: Mounted on the inner and the outer links



| ISO N. |            | CODE         | CODE         | P    |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A    | B    | C      | D     | F    | breaking load |
|--------|------------|--------------|--------------|------|------|----------------|----------------|----------------|----------------|--------|------|------|--------|-------|------|---------------|
| CHAIN  |            | C/L          |              | mm   | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm   | mm   | max mm | mm    | mm   | kN. min.      |
| 08B-1  | 1/2"x5/16" | 75112007M11X | 75112057M11X | 12,7 | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 9,50 | 4,30 | 18,42  | 14,10 | 1,40 | 18,40         |

## M1: Two Sides and One Bore Hole

### 02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | F    | breaking load |
|--------|------------|--------------|--------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|------|---------------|
|        |            | CHAIN        | C/L          | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm   | kN. min.      |
| 08B-1  | 1/2"x5/16" | 75112007M12X | 75112057M12X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 9,50  | 4,30 | 18,42  | 14,10 | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007M12X | 75115057M12X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 14,10 | 5,20 | 24,70  | 15,90 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16  | 75119007M12X | 75119057M12X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 15,88 | 5,60 | 26,57  | 17,90 | 1,80 | 29,50         |



## XRC® ROLLER CHAIN WITH STRAIGHT ATTACHMENTS TYPE "M"

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

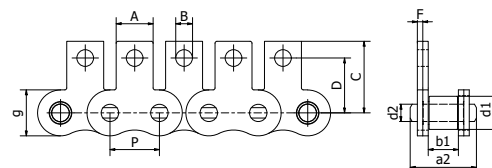
All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## M35: One Side and One Bore Hole

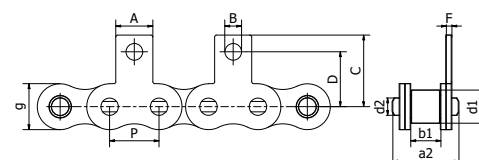
### 01: Mounted on the inner and the outer links



| ISO N. |            | CODE          | CODE          | P    | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A      | B    | C    | D      | F     | breaking load |          |
|--------|------------|---------------|---------------|------|----------------|----------------|----------------|----------------|--------|--------|------|------|--------|-------|---------------|----------|
|        |            | CHAIN         | C/L           | mm   | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm   | mm   | max mm | mm    | mm            | kN. min. |
| 08B-1  | 1/2"x5/16" | 75112007M351X | 75112057M351X | 12.7 | 1/2"           | 7.75           | 4.45           | 8.51           | 17.00  | 11.81  | 9.50 | 4.30 | 18.40  | 14.10 | 1.40          | 18.40    |

## M35: One Side and One Bore Hole

### 02: Mounted only on outer links



| ISO N. |            | CODE          | CODE          | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | F    | breaking load |
|--------|------------|---------------|---------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|------|---------------|
|        |            | CHAIN         | C/L           | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm   | kN. min.      |
| 08B-1  | 1/2"x5/16" | 75112007M352X | 75112057M352X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 9,50  | 4,30 | 18,42  | 14,10 | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007M352X | 75115057M352X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 14,10 | 5,20 | 24,70  | 15,90 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16" | 75119007M352X | 75119057M352X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 15,88 | 5,60 | 26,57  | 17,90 | 1,80 | 29,60         |



# XRC<sup>®</sup> ROLLER CHAIN WITH STRAIGHT ATTACHMENTS

## TYPE “M”

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

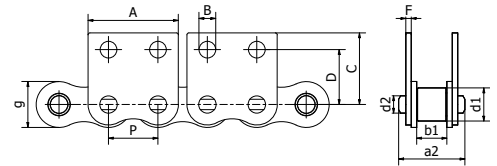
All XRC<sup>®</sup> chains are subject to pretensioning  
superior than ISO 606 requirement and  
pre-lubed. This operation is carried out to  
minimise settling time.

Connection links not included, purchase  
separately.

### EUROPEAN SERIES

## M2: Two Sides and Two Bore Holes

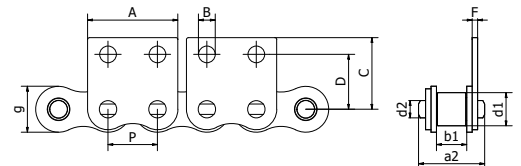
02: Mounted only on outer links



| ISO N. |            | CODE         | CODE         | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | F    | breaking load |
|--------|------------|--------------|--------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|------|---------------|
|        |            | CHAIN        | C/L          | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm   | kN. min.      |
| 08B-1  | 1/2"x5/16" | 75112007M22X | 75112057M22X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 23,22 | 4,30 | 18,34  | 14,40 | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007M22X | 75115057M22X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 29,31 | 5,20 | 24,70  | 15,90 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16" | 75119007M22X | 75119057M22X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 32,99 | 5,60 | 31,55  | 17,90 | 1,80 | 29,60         |

## M35-2: One Side and Two Bore Holes

02: Mounted only on outer links



| ISO N. |            | CODE           | CODE           | P      |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | A     | B    | C      | D     | F    | breaking load |
|--------|------------|----------------|----------------|--------|------|----------------|----------------|----------------|----------------|--------|-------|------|--------|-------|------|---------------|
|        |            | CHAIN          | C/L            | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | mm   | max mm | mm    | mm   | kN. min.      |
| 08B-1  | 1/2"x5/16" | 75112007M3522X | 75112057M3522X | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,00          | 11,81  | 23,22 | 4,30 | 18,34  | 14,40 | 1,40 | 18,40         |
| 10B-1  | 5/8"x3/8"  | 75115007M3522X | 75115057M3522X | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,60          | 14,73  | 29,31 | 5,20 | 24,70  | 15,90 | 1,63 | 22,90         |
| 12B-1  | 3/4"x7/16" | 75119007M3522X | 75119057M3522X | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,70          | 16,13  | 32,99 | 5,60 | 31,55  | 17,90 | 1,80 | 29,60         |



## XRC® ROLLER CHAIN WITH EXTENDED PIN

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN **ISO 9001**  
CERTIFIED FACTORY

COMPLIANT TO **ISO 606 - DIN 8187**

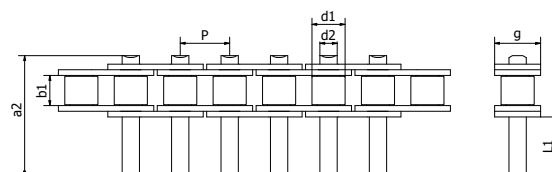
All XRC® chains are subject to pretensioning superior than ISO 606 requirement and pre-lubed. This operation is carried out to minimise settling time.

Connection links not included, purchase separately.

### EUROPEAN SERIES

## D1: One side

## 01: Mounted on every single pitch



| Technical Drawing |            |              |              |      |      |                |                |                |                |        |       |               |
|-------------------|------------|--------------|--------------|------|------|----------------|----------------|----------------|----------------|--------|-------|---------------|
| ISO N.            |            | CODE         | CODE         | P    |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | L1    | breaking load |
|                   |            | CHAIN        | C/L          | mm   | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | kN. min.      |
| 08B-1             | 1/2"x5/16" | 75112007D11X | 75112057D11X | 12.7 | 1/2" | 7.75           | 4.45           | 8.51           | 30.91          | 11.81  | 15.15 | 18.40         |



## QRC<sup>®</sup> QUALITY ROLLER CHAIN

### INTRODUCTION

- QRC<sup>®</sup> chain is the optimum choice for **light duty applications**, with competitive costs and delivery.
- The best standard in the economy category chain.
- A reliable product from a reliable supplier for “entry level” chain applications, from power transmission to light conveyor. This makes the chain a good and cost-effective solution for your applications.

### KEY FEATURES OF THE QRC<sup>®</sup> CHAIN

1. Specially designed for machine manufacturers (OEM).
2. Applications from 0.1 kW to 1,000 kW, available in 1, 2, 3 strands of rollers.
3. An extensive product line of European (BS), ANSI and standard chains.
4. According to **ISO 606**, lubricated and pre-tensioning; heat-treated and seamless **rollers**, hardened **plates** to increase the fatigue resistance of the chain, case-hardened **pins** to achieve good wear and case-hardened **bushes**.
5. QRC<sup>®</sup> chain fulfills ISO and ANSI quality requirements, for universal use.

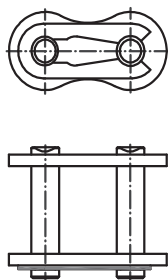


## CONNECTING AND OFFSET LINKS

### SINGLE AND MULTIPLE STRAND CHAIN

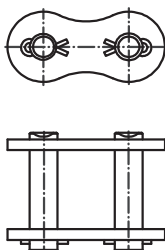
#### SPRING CLIP CONNECTING LINK

Standard connecting link.  
The cover linkplate is held in place by a spring clip, split at one end to permit easy installation and removal.



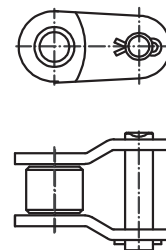
#### COTTERED CONNECTING LINK

Standard connecting link for larger chains.  
The cover linkplate is held in place by cotter pins.



#### SINGLE OFFSET LINK

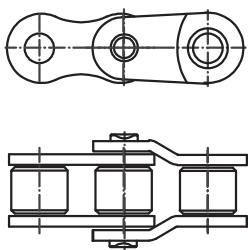
Links which can be added using a slip fit bolt and cotter key to add a single pitch length to the chain.



One pitch offset link (1R).  
The pin and two plates are slip fit. The fatigue strength is 35% lower than the chain itself.

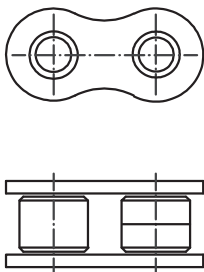
#### DOUBLE OFFSET LINK

Similar to a single offset link except assembled into the chain. Press fit construction increases rigidity, reliability, and durability.



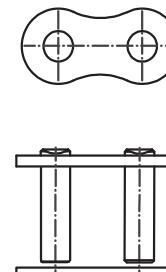
#### INTERNAL ROLLER LINK

By adding outer links, the inner links are connected to form a chain.



#### RIVETED CONNECTING LINK

Optional connecting link.  
The press fit-cover plate is standard; pins should be riveted or peened on the ends once the cover linkplate is installed.



Two pitch offset links are the combination of a roller link and an offset link connected with a rivet pin. The fatigue strength is the same as the fatigue strength of the base chain.



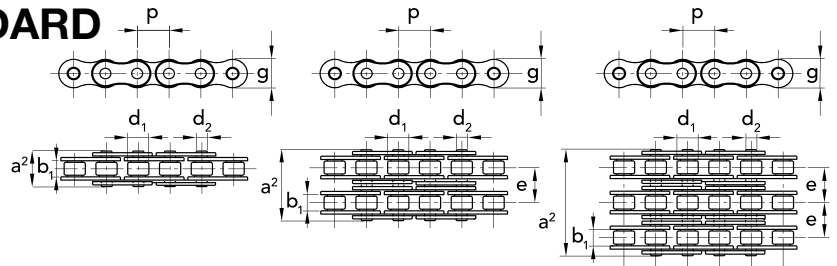
## QRC® EUROPEAN (BS) STANDARD

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



## Simple - Semplice

| ISO N. |              | CODE     | CODE     |          | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight   |       |
|--------|--------------|----------|----------|----------|--------|----------------|----------------|----------------|----------------|--------|---------------|----------|-------|
|        |              | CHAIN    | C/L      | OFFSET   | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm        | kN. min. | kg/m  |
| 04B-1  | P6           | 70106007 | 70106057 | 70106087 | 6      | -              | 2,80           | 1,85           | 4,00           | 7,4    | 5,00          | 3,00     | 0,12  |
| 05B-1  | P8           | 70108007 | 70108057 | 70108087 | 8      | -              | 3,00           | 2,31           | 5,00           | 8,6    | 7,11          | 4,40     | 0,18  |
| 05B-1  | P8           |          |          | 70108387 | 8      | -              | 3,00           | 2,31           | 5,00           | 8,6    | 7,11          | 4,40     | 0,18  |
| 06B-1  | 3/8"x7/32"   | 70109007 | 70109057 | 70109087 | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,5   | 8,26          | 8,90     | 0,40  |
| 06B-1  | 3/8"x7/32"   |          | 70109457 | 70109387 | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,5   | 8,26          | 8,90     | 0,40  |
| 081    | 1/2"x1/8"    | 70110008 | 70110058 | 70110088 | 12,7   | 1/2"           | 3,30           | 3,64           | 7,75           | 9,3    | 9,80          | 8,00     | 0,28  |
| 083    | 1/2"x3/16"   | 70111008 | 70111058 | 70111088 | 12,7   | 1/2"           | 4,88           | 4,06           | 7,75           | 12,9   | 10,30         | 11,6     | 0,42  |
| 084    | 1/2"x3/16" R | 70171008 | 70171058 | 70171088 | 12,7   | 1/2"           | 4,88           | 4,06           | 7,75           | 14,2   | 11,00         | 15,6     | 0,59  |
| 085    | 1/2"x1/4"    | 70113007 | 70113057 | 70113087 | 12,7   | 1/2"           | 6,25           | 3,58           | 7,77           | 13,75  | 9,91          | 6,7      | 0,41  |
| 08B-1  | 1/2"x5/16"   | 70112007 | 70112057 | 70112087 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,0   | 11,81         | 17,80    | 0,68  |
| 08B-1  | 1/2"x5/16"   |          | 70112457 | 70112387 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 17,0   | 11,81         | 17,80    | 0,68  |
| 10B-1  | 5/8"x3/8"    | 70115007 | 70115057 | 70115087 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 19,6   | 14,73         | 22,20    | 0,91  |
| 10B-1  | 5/8"x3/8"    |          | 70115457 |          | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 19,6   | 14,73         | 22,20    | 0,91  |
| 12B-1  | 3/4"x7/16    | 70119007 | 70119057 | 70119087 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 22,7   | 16,13         | 28,90    | 1,12  |
| 12B-1  | 3/4"x7/16    |          | 70119457 |          | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 22,7   | 16,13         | 28,90    | 1,12  |
| 16B-1  | 1"x17,02     | 70125007 | 70125057 | 70125087 | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,1   | 21,08         | 60,00    | 2,59  |
| 16B-1  | 1"x17,02     |          | 70125157 |          | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,1   | 21,08         | 60,00    | 2,59  |
| 16B-1  | 1"x17,02     |          | 70125457 |          | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 36,1   | 21,08         | 60,00    | 2,59  |
| 20B-1  | 1"1/4x3/4"   | 70131007 | 70131057 | 70131087 | 31,75  | 1 1/4"         | 19,56          | 10,19          | 19,05          | 43,2   | 26,42         | 95,00    | 3,68  |
| 20B-1  | 1"1/4x3/4"   |          | 70131457 |          | 31,75  | 1 1/4"         | 19,56          | 10,19          | 19,05          | 43,2   | 26,42         | 95,00    | 3,68  |
| 24B-1  | 1"1/2x1"     | 70138007 | 70138057 | 70138087 | 38,1   | 1 1/2"         | 25,40          | 14,63          | 25,40          | 53,4   | 33,40         | 160,00   | 6,85  |
| 28B-1  | 1"3/4x1"1/4" | 70144007 | 70144057 | 70144087 | 44,45  | 1 3/4"         | 30,99          | 15,9           | 27,94          | 65,1   | 37,08         | 200,00   | 8,56  |
| 32B-1  | 2"x1"1/4     | 70150007 | 70150057 | 70150087 | 50,8   | 2"             | 30,99          | 17,81          | 29,21          | 67,4   | 42,29         | 250,00   | 9,49  |
| 40B-1  | 2" 1/2x1"1/2 | 70163007 | 70163157 | 70163087 | 63,5   | 2" 1/2         | 38,10          | 22,89          | 39,37          | 82,60  | 52,90         | 355,00   | 16,30 |

## Double - Doppia

| ISO N. |              | CODE     | CODE     |          | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | breaking load | weight   |       |
|--------|--------------|----------|----------|----------|--------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------|-------|
|        |              | CHAIN    | C/L      | OFFSET   | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm            | kN. min. | kg/m  |
| 05B-2  | P8           | 70208007 | 70208057 | 70208087 | 8      | -              | 3,00           | 2,31           | 5,00           | 14,3   | 7,11   | 5,64          | 9,80     | 0,36  |
| 06B-2  | 3/8"x7/32"   | 70209007 | 70209057 | 70209087 | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 23,8   | 8,26   | 10,24         | 16,90    | 0,76  |
| 08B-2  | 1/2"x5/16"   | 70212007 | 70212057 | 70212087 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 31,0   | 11,81  | 13,92         | 31,10    | 1,31  |
| 10B-2  | 5/8"x3/8"    | 70215007 | 70215057 | 70215087 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 36,2   | 14,73  | 16,59         | 44,50    | 1,79  |
| 12B-2  | 3/4"x7/16    | 70219007 | 70219057 | 70219087 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 42,2   | 16,13  | 19,46         | 57,80    | 2,22  |
| 16B-2  | 1"x17,02     | 70225007 | 70225057 | 70225087 | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 68,0   | 21,08  | 31,88         | 106,00   | 5,03  |
| 20B-2  | 1"1/4x3/4"   | 70231007 | 70231057 | 70231087 | 31,75  | 1 1/4"         | 19,56          | 10,19          | 19,05          | 79,7   | 26,42  | 35,45         | 170,00   | 7,33  |
| 24B-2  | 1"1/2x1"     | 70238007 | 70238057 | 70238087 | 38,1   | 1 1/2"         | 25,4           | 14,63          | 25,4           | 101,8  | 33,4   | 48,36         | 280,00   | 13,50 |
| 28B-2  | 1"3/4x1"1/4" | 70244007 | 70244057 | 70244087 | 44,45  | 1 3/4"         | 30,99          | 15,9           | 27,94          | 124,7  | 37,08  | 59,56         | 360,00   | 16,96 |
| 32B-2  | 2"x1"1/4     | 70250007 | 70250057 | 70250087 | 50,8   | 2"             | 30,99          | 17,81          | 29,21          | 126,0  | 42,29  | 58,55         | 450,00   | 18,74 |
| 40B-2  | 2"1/2x1"1/2  | 70263007 | 70263157 | 70263087 | 63,5   | 2" 1/2         | 38,10          | 22,89          | 39,37          | 154,0  | 52,90  | 72,29         | 630,00   | 31,80 |

## Triple - Tripla

| ISO N. |              | CODE     | CODE     |          | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | breaking load | weight   |       |
|--------|--------------|----------|----------|----------|--------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------|-------|
|        |              | CHAIN    | C/L      | OFFSET   | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm            | kN. min. | kg/m  |
| 06B-3  | 3/8"x7/32"   | 70309007 | 70309057 | 70309087 | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 34,0   | 8,26   | 10,24         | 24,90    | 1,12  |
| 08B-3  | 1/2"x5/16"   | 70312007 | 70312057 | 70312087 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 44,9   | 11,81  | 13,92         | 47,50    | 1,94  |
| 10B-3  | 5/8"x3/8"    | 70315007 | 70315057 | 70315087 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 52,8   | 14,73  | 16,59         | 66,70    | 2,68  |
| 12B-3  | 3/4"x7/16    | 70319007 | 70319057 | 70319087 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 61,7   | 16,13  | 19,46         | 86,70    | 3,32  |
| 16B-3  | 1"x17,02     | 70325007 | 70325057 | 70325087 | 25,4   | 1"             | 17,02          | 8,28           | 15,88          | 99,9   | 21,08  | 31,88         | 160,00   | 7,65  |
| 20B-3  | 1"1/4x3/4"   | 70331007 | 70331057 | 70331087 | 31,75  | 1 1/4"         | 19,56          | 10,19          | 19,05          | 116,1  | 26,42  | 35,45         | 250,00   | 10,96 |
| 24B-3  | 1"1/2x1"     | 70338007 | 70338057 | 70338087 | 38,1   | 1 1/2"         | 25,4           | 14,63          | 25,4           | 150,2  | 33,40  | 48,36         | 425,00   | 20,20 |
| 28B-3  | 1"3/4x1"1/4" | 70344007 | 70344057 | 70344087 | 44,45  | 1 3/4"         | 30,99          | 15,9           | 27,94          | 184,3  | 37,08  | 59,56         | 530,00   | 25,38 |
| 32B-3  | 2"x1"1/4     | 70350007 | 70350057 | 70350087 | 50,8   | 2"             | 30,99          | 17,81          | 29,21          | 184,5  | 42,29  | 58,55         | 670,00   | 28,04 |

- Internal Roller Link
- Double offset link
- Connecting link with cottered pin

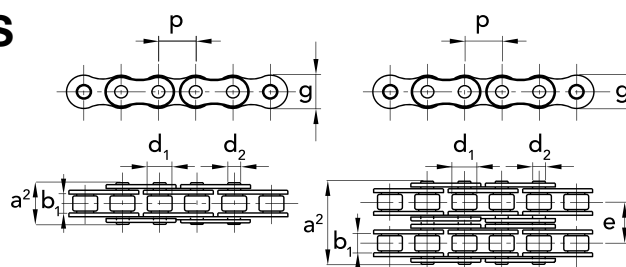




## QRC® EUROPEAN (BS) CHAIN IN REELS

COMPLIANT TO ISO 606 - DIN 8187

Connection links not included, purchase separately.



### Simple 100m reels - Semplice 100m in bobina

| ISO N. |       | CODE         | P           | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight   |       |      |
|--------|-------|--------------|-------------|----------------|----------------|----------------|----------------|--------|---------------|----------|-------|------|
|        |       | CHAIN        | mm          | inch           | min.mm         | mm             | max mm         | max mm | max mm        | kN. min. | kg/m  |      |
|        | 05B-1 | P8           | 72108007    | 8              | -              | 3,00           | 2,31           | 5,00   | 8,6           | 7,11     | 4,40  | 0,18 |
|        | 06B-1 | 3/8"x7/16"   | 72109007    | 9,525          | 3/8"           | 5,72           | 3,28           | 6,35   | 13,5          | 8,26     | 8,90  | 0,40 |
| ■      | 081   | 1/2"x1/8"    | 72110008    | 12,7           | 1/2"           | 3,30           | 3,64           | 7,75   | 9,3           | 9,80     | 8,00  | 0,28 |
|        | 083   | 1/2"x3/16"   | 72111008    | 12,7           | 1/2"           | 4,88           | 4,06           | 7,75   | 12,9          | 10,30    | 12,00 | 0,42 |
|        | 084   | 1/2"x3/16" R | 72171008    | 12,7           | 1/2"           | 4,88           | 4,06           | 7,75   | 14,2          | 11,00    | 16,00 | 0,59 |
| ■ ■    | 08B-1 | 1/2"x5/16"   | 72112007100 | 12,7           | 1/2"           | 7,75           | 4,45           | 8,51   | 17,0          | 11,81    | 17,80 | 0,68 |

### Simple 50m reels - Semplice 50m in bobina

| ISO N. |       |            | CODE       |        | P    | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight |
|--------|-------|------------|------------|--------|------|----------------|----------------|----------------|----------------|--------|---------------|--------|
|        |       |            | CHAIN      | mm     | inch | min.mm         | mm             | max mm         | max mm         | max mm | kN. min.      | kg/m   |
| ■ ■    | 08B-1 | 1/2"x5/16" | 72112007   | 12,7   | 1/2" | 7,75           | 4,45           | 8,51           | 17,0           | 11,81  | 17,80         | 0,68   |
|        | 10B-1 | 5/8"x3/8"  | 72115007   | 15,875 | 5/8" | 9,65           | 5,08           | 10,16          | 19,6           | 14,73  | 22,20         | 0,91   |
| ■ ■ ■  | 12B-1 | 3/4"x7/16" | 7211900750 | 19,05  | 3/4" | 11,68          | 5,72           | 12,07          | 22,7           | 16,13  | 28,90         | 1,12   |

### Simple 30m reels - Semplice 30m in bobina

| ISO N. |          | CODE       | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight |      |
|--------|----------|------------|-------|----------------|----------------|----------------|----------------|--------|---------------|--------|------|
|        |          | CHAIN      | mm    | inch           | min.mm         | mm             | max mm         | max mm | kN. min.      | kg/m   |      |
| 16B-1  | 1"x17.02 | 7212500730 | 25.40 | 1"             | 17.02          | 8.28           | 15.88          | 36.1   | 21.08         | 60.00  | 2.59 |

### Simple 25m reels - Semplice 25m in bobina

| ISO N. |       |            | CODE     | P     |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight |
|--------|-------|------------|----------|-------|------|----------------|----------------|----------------|----------------|--------|---------------|--------|
|        |       |            | CHAIN    | mm    | inch | min.mm         | mm             | max mm         | max mm         | max mm | kN. min.      | kg/m   |
| ■ ■ ■  | 12R-1 | 3/4"x7/16" | 72119007 | 19.05 | 3/4" | 11.68          | 5.72           | 12.07          | 22.7           | 16.13  | 28.90         | 1.12   |

### Simple 20m reels - Semplice 20m in bobina

| ISO N. |            | CODE     | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight |      |
|--------|------------|----------|-------|----------------|----------------|----------------|----------------|--------|---------------|--------|------|
|        |            | CHAIN    | mm    | inch           | min.mm         | mm             | max mm         | max mm | kN. min.      | kg/m   |      |
| 20B-1  | 1"1/4x3/4" | 72131007 | 31.75 | 1 1/4"         | 19.56          | 10.19          | 19.05          | 43.2   | 26.42         | 95.00  | 3.68 |

### Double 50m reels - Doppia 50m in bobina

| ISO N. |            | CODE     | P     |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e     | breaking load | weight |
|--------|------------|----------|-------|------|----------------|----------------|----------------|----------------|--------|-------|---------------|--------|
|        |            | CHAIN    | mm    | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | kN. min.      | kg/m   |
| 06B-2  | 3/8"x7/16" | 72209007 | 9.525 | 3/8" | 5.72           | 3.28           | 6.35           | 23.8           | 8.26   | 10.24 | 16.90         | 0.76   |

### Double 25m reels - Doppia 25m in bobina

| ISO N. |            | CODE     | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | breaking load | weight   |      |
|--------|------------|----------|--------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------|------|
|        |            | CHAIN    | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm            | kN. min. | kg/m |
| 08B-2  | 1/2"x5/16" | 72212007 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 31,0   | 11,81  | 13,92         | 32,00    | 1,31 |
| 10B-2  | 5/8"x3/8"  | 72215007 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 36,2   | 14,73  | 16,59         | 44,50    | 1,79 |
| 12B-2  | 3/4"x7/16" | 72219007 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 42,2   | 16,13  | 19,46         | 57,80    | 2,22 |

### Double 15m reels - Doppia 15m in bobina

| ISO N. |          | CODE     | P     |      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e     | breaking load | weight |
|--------|----------|----------|-------|------|----------------|----------------|----------------|----------------|--------|-------|---------------|--------|
|        |          | CHAIN    | mm    | inch | min.mm         | mm             | max mm         | max mm         | max mm | mm    | kN. min.      | kg/m   |
| 16B-2  | 1"x17.02 | 72225007 | 25.40 | 1"   | 17.02          | 8.28           | 15.88          | 68.0           | 21.08  | 31.88 | 106.00        | 5.03   |

■ 081, 200m    ■ ■ 08B-1, both 100m and 50m    ■ ■ ■ 12B-1, both 50m and 25m



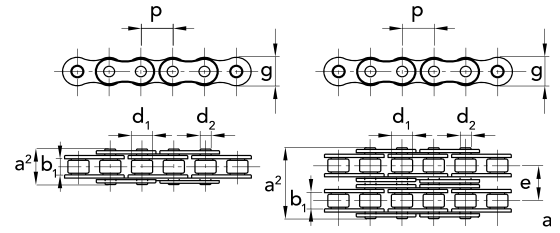
## QRC® "ANSI" ASA

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



## Simple - Semplice

| ANSI N. | CODE       |          |          | P        |        | b <sub>1</sub> |       | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight |
|---------|------------|----------|----------|----------|--------|----------------|-------|----------------|----------------|----------------|--------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch   | min.mm         | mm    | max mm         | max mm         | max mm         | max mm | kN. min.      | kg/m   |
| 35-1    | 3/8"x3/16" | 71103007 | 71103057 | 71103087 | 9,525  | 3/8"           | 4,77  | 3,58           | 5,08           | 13,2           | 9,05   | 7,90          | 0,34   |
| 40-1    | 1/2"x5/16" | 71104007 | 71104057 | 71104087 | 12,7   | 1/2"           | 7,95  | 3,96           | 7,92           | 17,8           | 12,07  | 13,90         | 0,63   |
| 50-1    | 5/8"x3/8"  | 71105007 | 71105057 | 71105087 | 15,875 | 5/8"           | 9,53  | 5,08           | 10,16          | 21,8           | 15,09  | 21,80         | 1,04   |
| 60-1    | 3/4"x1/2"  | 71106007 | 71106057 | 71106087 | 19,05  | 3/4"           | 12,70 | 5,94           | 11,91          | 26,9           | 18,08  | 31,30         | 1,52   |
| 80-1    | 1"x5/8"    | 71108007 | 71108057 | 71108087 | 25,4   | 1"             | 15,88 | 7,92           | 15,88          | 33,5           | 24,13  | 55,60         | 2,58   |
| 100-1   | 1"1/4x3/4" | 71110007 | 71110057 | 71110087 | 31,75  | 1 1/4"         | 19,05 | 9,53           | 19,05          | 41,1           | 30,18  | 87,00         | 3,85   |
| 120-1   | 1"1/2x1"   | 71112007 | 71112057 | 71112087 | 38,1   | 1 1/2"         | 25,40 | 11,10          | 22,23          | 50,8           | 36,2   | 125,00        | 5,61   |
| 140-1   | 1"3/4x1"   | 71114007 | 71114057 | 71114087 | 44,45  | 1 3/4"         | 25,40 | 12,70          | 25,40          | 54,9           | 42,24  | 170,00        | 7,24   |
| 160-1   | 2"x1"1/4   | 71116007 | 71116057 | 71116087 | 50,8   | 2"             | 31,75 | 14,27          | 28,58          | 65,5           | 48,26  | 223,00        | 9,91   |

## Double - Doppia

| ANSI N. | CODE       |          |          | P        |        | b <sub>1</sub> |       | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e     | breaking load | weight |
|---------|------------|----------|----------|----------|--------|----------------|-------|----------------|----------------|----------------|--------|-------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch   | min.mm         | mm    | max mm         | max mm         | max mm         | max mm | mm    | kN. min.      | kg/m   |
| 35-2    | 3/8"x3/16" | 71203007 | 71203057 | 71203087 | 9,525  | 3/8"           | 4,77  | 3,58           | 5,08           | 21,6           | 9,05   | 10,13 | 15,80         | 0,67   |
| 40-2    | 1/2"x5/16" | 71204007 | 71204057 | 71204087 | 12,7   | 1/2"           | 7,95  | 3,96           | 7,92           | 32,3           | 12,07  | 14,38 | 27,80         | 1,26   |
| 50-2    | 5/8"x3/8"  | 71205007 | 71205057 | 71205087 | 15,875 | 5/8"           | 9,53  | 5,08           | 10,16          | 39,9           | 15,09  | 18,11 | 43,80         | 2,05   |
| 60-2    | 3/4"x1/2"  | 71206007 | 71206057 | 71206087 | 19,05  | 3/4"           | 12,7  | 5,94           | 11,91          | 49,8           | 18,08  | 22,78 | 62,60         | 3,01   |
| 80-2    | 1"x5/8"    | 71208007 | 71208057 | 71208087 | 25,4   | 1"             | 15,88 | 7,92           | 15,88          | 62,7           | 24,13  | 29,29 | 111,10        | 5,13   |
| 100-2   | 1"1/4x3/4" | 71210007 | 71210057 | 71210087 | 31,75  | 1 1/4"         | 19,05 | 9,53           | 19,05          | 77             | 30,18  | 35,76 | 174,00        | 7,64   |
| 120-2   | 1"1/2x1"   | 71212007 | 71212057 | 71212087 | 38,1   | 1 1/2"         | 25,4  | 11,10          | 22,23          | 96,3           | 36,2   | 45,44 | 250,00        | 11,13  |
| 140-2   | 1"3/4x1"   | 71214007 | 71214057 | 71214087 | 44,45  | 1 3/4"         | 25,4  | 12,70          | 25,4           | 103,6          | 42,24  | 48,87 | 340,00        | 14,37  |
| 160-2   | 2"x1"1/4   | 71216007 | 71216057 | 71216087 | 50,8   | 2"             | 31,75 | 14,27          | 28,58          | 124,2          | 48,26  | 58,55 | 448,00        | 19,68  |

• Connecting link with cottered pin



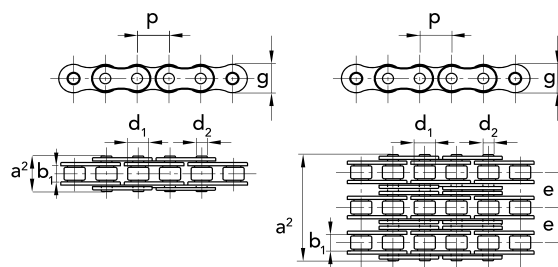
## QRC® "ANSI" ASA

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



Triple - Tripla

| ANSI N. |            | CODE     | CODE     |          | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e      | breaking load | weight   |       |
|---------|------------|----------|----------|----------|--------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------|-------|
|         |            | CHAIN    | C/L      | OFFSET   | mm     | inch           | min.mm         | mm             | max mm         | max mm | max mm | mm            | kN. min. | kg/m  |
| 35-3    | 3/8"x3/16" | 71303007 | 71303057 | 71303087 | 9,525  | 3/8"           | 4,77           | 3,58           | 5,08           | 31,8   | 9,05   | 10,13         | 23,70    | 0,99  |
| 40-3    | 1/2"x5/16" | 71304007 | 71304057 | 71304087 | 12,7   | 1/2"           | 7,95           | 3,96           | 7,92           | 46,7   | 12,07  | 14,38         | 42,30    | 1,98  |
| 50-3    | 5/8"x3/8"  | 71305007 | 71305057 | 71305087 | 15,875 | 5/8"           | 9,53           | 5,08           | 10,16          | 57,9   | 15,09  | 18,11         | 66,60    | 3,06  |
| 60-3    | 3/4"x1/2"  | 71306007 | 71306057 | 71306087 | 19,05  | 3/4"           | 12,7           | 5,94           | 11,91          | 72,6   | 18,08  | 22,78         | 95,40    | 4,5   |
| 80-3    | 1"x5/8"    | 71308007 | 71308057 | 71308087 | 25,4   | 1"             | 15,88          | 7,92           | 15,88          | 91,7   | 24,13  | 29,29         | 170,10   | 7,67  |
| 100-3   | 1"1/4x3/4" | 71310007 | 71310057 | 71310087 | 31,75  | 1 1/4"         | 19,05          | 9,53           | 19,05          | 113    | 30,18  | 35,76         | 265,50   | 11,43 |
| 120-3   | 1"1/2x1"   | 71312007 | 71312057 | 71312087 | 38,1   | 1 1/2"         | 25,4           | 11,1           | 22,23          | 141,7  | 36,2   | 45,44         | 381,00   | 16,67 |
| 140-3   | 1"3/4x1"   | 71314007 | 71314057 | 71314087 | 44,45  | 1 3/4"         | 25,4           | 12,7           | 25,4           | 152,4  | 42,24  | 48,87         | 517,20   | 21,51 |
| 160-3   | 2"x1"1/4"  | 71316007 | 71316057 | 71316087 | 50,8   | 2"             | 31,75          | 14,27          | 28,58          | 182,9  | 48,26  | 58,55         | 680,40   | 29,45 |

Simple reinforced - Semplice rinforzata

| ANSI N. |            | CODE     | CODE     |          | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight   |      |
|---------|------------|----------|----------|----------|-------|----------------|----------------|----------------|----------------|--------|---------------|----------|------|
|         |            | CHAIN    | C/L      | OFFSET   | mm    | inch           | min.mm         | mm             | max mm         | max mm | max mm        | kN. min. | kg/m |
| 60H-1   | 3/4"x1/2"  | 72906007 | 72906057 | 72906087 | 19,05 | 3/4"           | 12,70          | 5,94           | 11,91          | 28,9   | 18,08         | 49,00    | 1,7  |
| 80H-1   | 1"x5/8"    | 72908007 | 72908057 | 72908087 | 25,4  | 1"             | 15,88          | 7,92           | 15,88          | 36,5   | 24,13         | 84,80    | 2,9  |
| 100H-1  | 1"1/4x3/4" | 72910007 | 72910057 | 72910087 | 31,75 | 1"1/4          | 19,05          | 9,53           | 19,05          | 42,9   | 30,18         | 122,60   | 4,4  |
| 120H-1  | 1"1/2x1"   | 72912007 | 72912057 | 72912087 | 38,1  | 1"1/2          | 25,40          | 11,11          | 22,22          | 54,1   | 36,19         | 160,50   | 6,2  |

▪ Connecting link with cottered pin



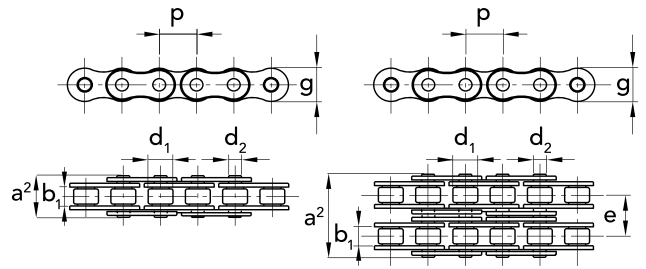
## QRC<sup>®</sup> STAINLESS STEEL AISI 304

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



### Simple - Semplice STAINLESS STEEL AISI 304

| ISO N.  |            | CODE     | CODE     |          | P     |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g     | e    | breaking load | weight |
|---------|------------|----------|----------|----------|-------|--------|----------------|----------------|----------------|----------------|-------|------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch  | min.mm | mm             | max mm         | max mm         | max mm         | mm    | mm   | kN. min.      | kg/m   |
| SS05B-1 | P8         | 74108007 | 74108057 | 74108087 | 8     | -      | 3,00           | 2,31           | 5,00           | 8,6            | 7,11  | 0,11 | 3,20          | 0,18   |
| SS06B-1 | 3/8"x7/32" | 74109007 | 74109057 | 74109087 | 9,53  | 3/8"   | 5,72           | 3,28           | 6,35           | 13,5           | 8,26  | 0,28 | 6,20          | 0,40   |
| SS08B-1 | 1/2"x5/16" | 74112007 | 74112057 | 74112087 | 12,7  | 1/2"   | 7,75           | 4,45           | 8,51           | 17,0           | 11,81 | 0,50 | 12,00         | 0,68   |
| SS10B-1 | 5/8"x3/8"  | 74115007 | 74115057 | 74115087 | 15,88 | 5/8"   | 9,65           | 5,08           | 10,16          | 19,6           | 14,73 | 0,67 | 14,50         | 0,91   |
| SS12B-1 | 3/4"x7/16" | 74119007 | 74119057 | 74119087 | 19,05 | 3/4"   | 11,68          | 5,72           | 12,07          | 22,7           | 16,13 | 0,89 | 18,50         | 1,12   |
| SS16B-1 | 1"x17,02   | 74125007 | 74125057 | 74125087 | 25,4  | 1"     | 17,02          | 8,28           | 15,88          | 36,1           | 21,08 | 2,1  | 40,00         | 2,59   |

### Double - Doppia STAINLESS STEEL AISI 304

| ISO N.  |            | CODE     | CODE     |          | P     |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g     | e     | breaking load | weight |
|---------|------------|----------|----------|----------|-------|--------|----------------|----------------|----------------|----------------|-------|-------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch  | min.mm | mm             | max mm         | max mm         | max mm         | mm    | mm    | kN. min.      | kg/m   |
| SS06B-2 | 3/8"x7/32" | 74209007 | 74209057 | 74209087 | 9,53  | 3/8"   | 5,72           | 3,28           | 6,35           | 23,8           | 8,26  | 10,24 | 8,40          | 1,35   |
| SS08B-2 | 1/2"x5/16" | 74212007 | 74212057 | 74212087 | 12,7  | 1/2"   | 7,75           | 4,45           | 8,51           | 31,0           | 11,81 | 13,92 | 16,00         | 1,85   |
| SS10B-2 | 5/8"x3/8"  | 74215007 | 74215057 | 74215087 | 15,88 | 5/8"   | 9,65           | 5,08           | 10,16          | 36,2           | 14,73 | 16,59 | 22,20         | 2,20   |
| SS12B-2 | 3/4"x7/16" | 74219007 | 74219057 | 74219087 | 19,05 | 3/4"   | 11,68          | 5,72           | 12,07          | 42,2           | 16,13 | 19,46 | 28,50         | 2,50   |
| SS16B-2 | 1"x17,02   | 74225007 | 74225057 | 74225087 | 25,4  | 1"     | 17,02          | 8,28           | 15,88          | 68,0           | 21,08 | 31,88 | 69,00         | 5,40   |



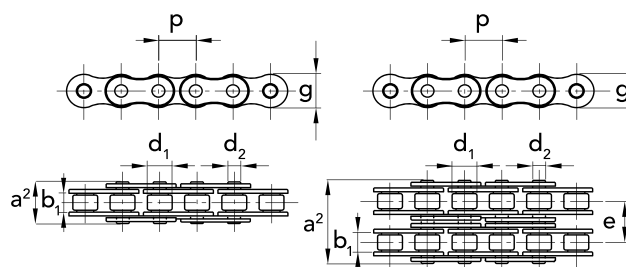
## QRC<sup>®</sup> NICKEL PLATED

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



### Simple - Semplice NICKEL - PLATED

| ISO N.  |            | CODE     | CODE     |          | P     | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | breaking load | weight   |      |
|---------|------------|----------|----------|----------|-------|----------------|----------------|----------------|----------------|--------|---------------|----------|------|
|         |            | CHAIN    | C/L      | OFFSET   | mm    | inch           | min.mm         | mm             | max mm         | max mm | max mm        | kN. min. | kg/m |
| NP06B-1 | 3/8x7/32"  | 73109007 | 73109057 | 73109087 | 9,53  | 3/8"           | 5,72           | 3,28           | 6,35           | 13,5   | 8,26          | 7,60     | 0,41 |
| NP08B-1 | 1/2"x5/16" | 73112007 | 73112057 | 73112087 | 12,7  | 1/2"           | 7,75           | 4,45           | 8,51           | 17,0   | 11,81         | 15,20    | 0,7  |
| NP10B-1 | 5/8"x3/8"  | 73115007 | 73115057 | 73115087 | 15,88 | 5/8"           | 9,65           | 5,08           | 10,16          | 19,6   | 14,73         | 18,90    | 0,95 |
| NP12B-1 | 3/4"x7/16" | 73119007 | 73119057 | 73119087 | 19,05 | 3/4"           | 11,68          | 5,72           | 12,07          | 22,7   | 16,13         | 24,60    | 1,25 |
| NP16B-1 | 1"x17/02   | 73125007 | 73125057 | 73125087 | 25,4  | 1"             | 17,02          | 8,28           | 15,88          | 36,1   | 21,08         | 52,50    | 2,7  |

### Double - Doppia NICKEL - PLATED

| ISO N.  | CHAIN      | CODE     | C/L      | OFFSET   | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g      | e     | breaking load | weight |
|---------|------------|----------|----------|----------|--------|----------------|----------------|----------------|----------------|--------|-------|---------------|--------|
|         |            |          |          |          | mm     | inch           | min.mm         | mm             | max mm         | max mm | mm    | kN. min.      | kg/m   |
| NP06B-2 | 3/8"x7/32" | 73209007 | 73209057 | 73209087 | 9,525  | 3/8"           | 5,72           | 3,28           | 6,35           | 23,80  | 8,20  | 16,00         | 0,76   |
| NP08B-2 | 1/2"x5/16" | 73212007 | 73212057 | 73212087 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,51           | 31,00  | 11,80 | 31,00         | 1,31   |
| NP10B-2 | 5/8"x3/8"  | 73215007 | 73215057 | 73215087 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16          | 36,20  | 14,70 | 42,00         | 1,79   |
| NP12B-2 | 3/4"x7/16  | 73219007 | 73219057 | 73219087 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07          | 42,20  | 16,10 | 54,80         | 2,22   |
| NP16B-2 | 1"x17,02   | 73225007 | 73225057 | 73225087 | 25,4   | 1"             | 17,02          | 8,27           | 15,88          | 68,00  | 21,00 | 104,00        | 5,03   |



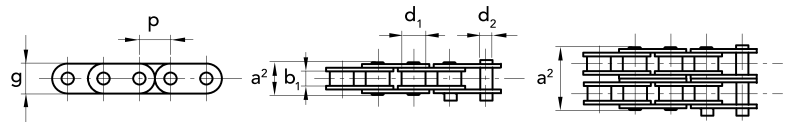
## QRC® STRAIGHT SIDE PLATE

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included.



### Simple - Semplice

| ISO N.  |            | CODE     | CODE     |          | P      |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g     | breaking load | weight |
|---------|------------|----------|----------|----------|--------|--------|----------------|----------------|----------------|----------------|-------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch   | min.mm | mm             | max mm         | max mm         | max mm         |       | kN. min.      | kg/m   |
| 06B-1   | 3/8"x7/32" | 70109007 | 70109057 | 70109087 | 9,525  | 3/8"   | 5,72           | 3,28           | 6,35           | 13,5           | 8,26  | 8,90          | 0,40   |
| GL08B-1 | 1/2"x5/16" | 74112607 | 74112657 | 70112687 | 12,7   | 1/2"   | 7,75           | 4,45           | 8,51           | 17,0           | 11,81 | 17,80         | 0,8    |
| GL10B-1 | 5/8"x3/8"  | 74115607 | 74115657 | 70115687 | 15,875 | 5/8"   | 9,65           | 5,08           | 10,16          | 19,6           | 14,73 | 23,20         | 1,0    |
| GL12B-1 | 3/4"x7/16" | 74119607 | 74119657 | 70119687 | 19,05  | 3/4"   | 11,68          | 5,72           | 12,07          | 22,7           | 16,13 | 28,90         | 1,3    |
| GL16B-1 | 1"x17/32"  | 74125607 | 74125657 | 70125687 | 25,4   | 1"     | 11,02          | 8,28           | 15,88          | 36,1           | 21,08 | 60,00         | 2,9    |

### Double - Doppia

| ISO N.  |            | CODE     | CODE     |          | P     |        | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a <sup>2</sup> | g    | breaking load | weight |
|---------|------------|----------|----------|----------|-------|--------|----------------|----------------|----------------|----------------|------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch  | min.mm | mm             | max mm         | max mm         | max mm         |      | kN. min.      | kg/m   |
| 06B-2   | 3/8"x7/32" | 70209007 | 70209057 | 70209087 | 9,525 | 3/8"   | 5,72           | 3,28           | 6,35           | 23,8           | 8,26 | 16,90         | 0,76   |
| GL10B-2 | 5/8"x3/8"  | 74215607 | 74215657 | 70215087 | 16    | 5/8"   | 10             | 5              | 10             | 36             | 15   | 44,50         | 3      |
| GL12B-2 | 3/4"x7/16" | 74219607 | 74219657 | 70219087 | 19    | 3/4"   | 12             | 6              | 12             | 42             | 16   | 57,80         | 3      |

- 06B-1 and 06B-2 chains straight plate side as ISO606 requirement.

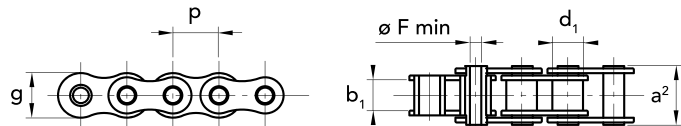
## QRC® HOLLOW PINS

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN ISO 9001  
CERTIFIED FACTORY

COMPLIANT TO ISO 606 - DIN 8187

Connection link included. - Rollerless type.



### Simple - Semplice

| ISO N.  |            | CODE     | CODE     |          | P      |        | b <sub>1</sub> | d <sub>1</sub> | a <sup>2</sup> | Ø F    | g    | breaking load | weight |
|---------|------------|----------|----------|----------|--------|--------|----------------|----------------|----------------|--------|------|---------------|--------|
|         | CHAIN      | C/L      | OFFSET   | mm       | inch   | min.mm | max mm         | max mm         | max mm         | max mm |      | kN. min.      | kg/m   |
| HP08B-1 | 1/2"x5/16" | 74112707 | 74112757 | 74112787 | 12,7   | 1/2"   | 7,75           | 8,51           | 17             | 4,4    | 11,7 | 9,00          | 0,5    |
| HP10B-1 | 5/8"x3/8"  | 74115707 | 74115757 | 74115787 | 15,875 | 5/8"   | 9,65           | 10,16          | 21             | 5,1    | 14   | 12,00         | 0,8    |

# QRC<sup>®</sup> ROLLER CHAIN WITH VULCANIZED ELASTOMER PROFILES

PACKAGE OF 5MT

CHAINS MANUFACTURED BY AN **ISO 9001**  
CERTIFIED FACTORY

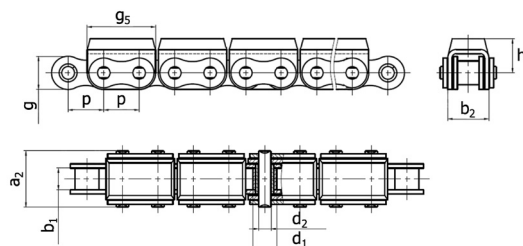
COMPLIANT TO **ISO 606 - DIN 8187**

STANDARD RUBBER PROFILE MADE OF NITRILE BUTADIENE RUBBER (NBR)  
WITH A HARDNESS OF 70-80 SHORE A.

NBR PROFILE COLOR: **RAL 7035 (Grey)**

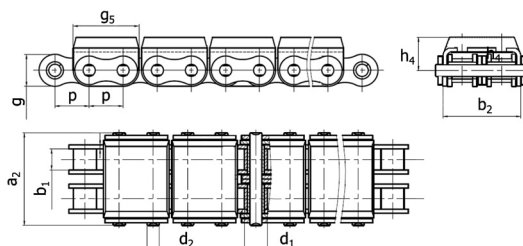
OPERATING TEMPERATURE RANGE: UP TO 60 °C

Connection link included.



## Simple - Semplice

| ISO N. |            | CODE     | CODE     | P      | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a2     | g      | b2     | h4    | g5    | breaking load |          |
|--------|------------|----------|----------|--------|----------------|----------------|----------------|--------|--------|--------|-------|-------|---------------|----------|
|        |            | CHAIN    | C/L      | mm     | inch           | min.mm         | mm             | max mm | max mm | max mm | mm    | mm    | mm            | kN. min. |
| 08B-1  | 1/2"x5/16" | 78112G07 | 78112G57 | 12,7   | 1/2"           | 7,75           | 4,45           | 8,50   | 20,20  | 11,78  | 14,60 | 12,30 | 24,40         | 17,80    |
| 10B-1  | 5/8"x3/8"  | 78115G07 | 78115G57 | 15,875 | 5/8"           | 9,65           | 5,08           | 10,16  | 23,40  | 14,60  | 16,80 | 17,00 | 30,00         | 22,20    |
| 12B-1  | 3/4"x7/16  | 78119G07 | 78119G57 | 19,05  | 3/4"           | 11,68          | 5,72           | 12,07  | 26,70  | 16,00  | 19,60 | 21,00 | 36,00         | 29,00    |
| 16B-1  | 1"x17.02   | 78125G07 | 78125G57 | 25.4   | 1"             | 17.02          | 8.28           | 15.88  | 39.90  | 21.00  | 29.05 | 22.10 | 49.00         | 70.60    |



## Double - Doppia

| ISO N. |            | CODE     | CODE     | P    | b <sub>1</sub> | d <sub>2</sub> | d <sub>1</sub> | a2     | g      | b2     | h4    | g5    | breaking load |          |
|--------|------------|----------|----------|------|----------------|----------------|----------------|--------|--------|--------|-------|-------|---------------|----------|
|        |            | CHAIN    | C/L      | mm   | inch           | min.mm         | mm             | max mm | max mm | max mm | mm    | mm    | mm            | kN. min. |
| 08B-2  | 1/2"x5/16" | 78212G07 | 78212G57 | 12.7 | 1/2"           | 7.75           | 4.45           | 8.50   | 34.50  | 11.78  | 28.40 | 12.30 | 24.20         | 32.00    |

## MOST IMPORTANT INDUSTRIAL BUSINESS SERVED

- Glass processing
- Woodworking Industry
- Ceramic industry
- Packaging industry

## SPECIFIC PRODUCT

- Different Rubber Hardness (Sh) and Colours are available on demand.



## CRT<sup>®</sup>

### OUR PRODUCTS:

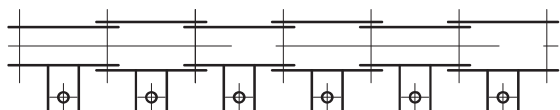
- Industrial conveyor chains according to ISO - DIN – BS Standard specifications,
- Industrial conveyor customized chains,
- Chains manufactured in carbon steel and stainless steel material,
- Chain sprockets.

### MOST IMPORTANT INDUSTRIAL BUSINESS SERVED

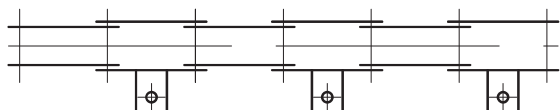
- Paper industry
- Bottle washing industry
- Escalators
- Cement industry
- Fruit / vegetable processing industry
- Water conditioning
- Canning industry
- Slaughtering industry
- Bread and confectionary ovens
- Brick industry
- Steel industry
- Food industry
- Wood industry
- Painting process
- Tobacco processing plants
- Bucket elevators
- Railway chains

### ATTACHMENTS

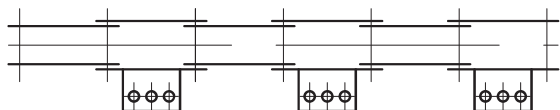
A1-01



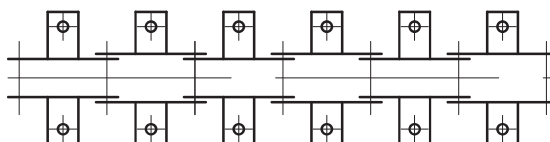
A1-02



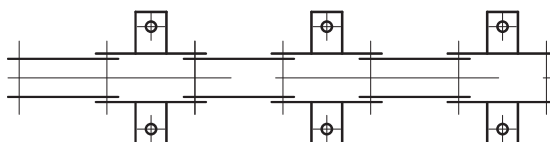
A3-02



K1-01



K1-02



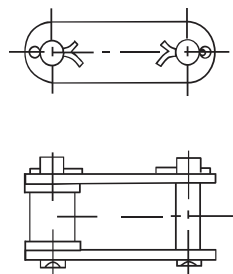




## CONNECTING LINKS

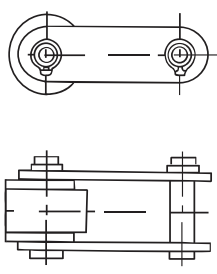
### COTTERED CONNECTING LINK

Standard connecting link for larger chains.  
The cover linkplate is held in place by cotter pins.



### CONNECTING LINK WITH SEEGER

Standard connecting link for hollow pin chains.



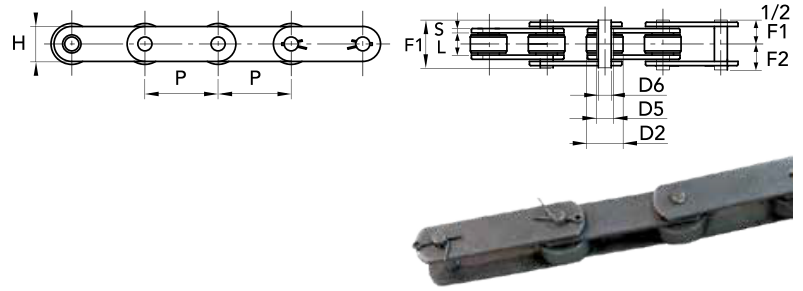
- Additional attachments available on demand



## Solid pin chain - metric pitch

PACKAGE OF 5MT

Connection link included.



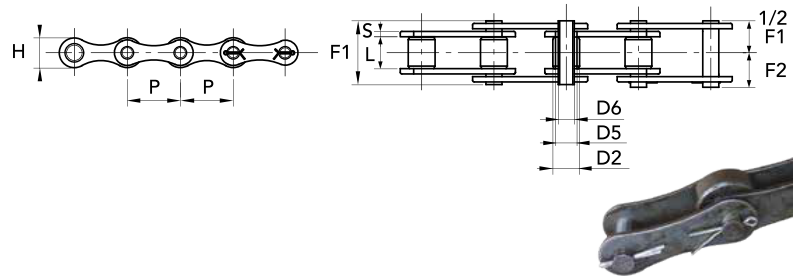
| CHAIN  | CODE              | P   | L    | D2 | D5   | D6  | H  | S   | F1   | F2   | breaking load | weight |
|--------|-------------------|-----|------|----|------|-----|----|-----|------|------|---------------|--------|
| CHAIN  | C/L               | mm  | mm   | mm | mm   | mm  | mm | mm  | mm   | mm   | kN.           | kg/m   |
| 1.1205 | 74502050 74502055 | 50  | 11,5 | 25 | 8,35 | 5,7 | 18 | 2,5 | 25,5 | 15,4 | 18,0          | 1,70   |
| 1.1206 | 74502060 74502065 | 50  | 11,5 | 25 | 11   | 8   | 20 | 3   | 28,8 | 16,5 | 22,0          | 2,10   |
| 1.1400 | 74504000 74504005 | 50  | 15   | 31 | 13,2 | 10  | 23 | 3   | 32,6 | 19,2 | 32,0          | 3,00   |
| 1.1500 | 74505000 74505005 | 50  | 15   | 31 | 13,2 | 10  | 25 | 4   | 36,6 | 20,7 | 40,0          | 3,90   |
| 1.1502 | 74505020 74505025 | 100 | 15   | 31 | 13,2 | 10  | 25 | 4   | 36,6 | 20,7 | 40,0          | 2,90   |
| 1.1703 | 74507030 74507035 | 100 | 22   | 40 | 17   | 12  | 35 | 4   | 44   | 25   | 75,0          | 4,90   |

## Solid pin chain - metric pitch

### TYPE "B"

PACKAGE OF 5MT

Connection link included.



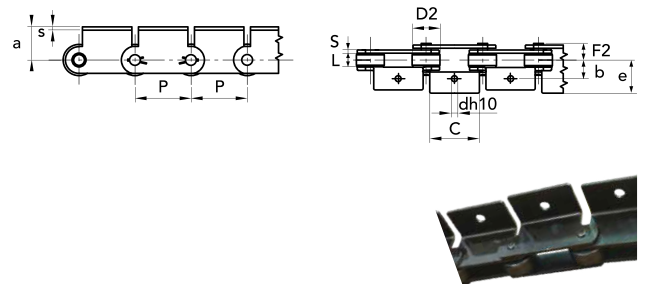
| CHAIN    | CODE              | P  | L  | D2 | D5   | D6 | H  | S  | F1   | F2   | breaking load | weight |
|----------|-------------------|----|----|----|------|----|----|----|------|------|---------------|--------|
| CHAIN    | C/L               | mm | mm | mm | mm   | mm | mm | mm | mm   | mm   | kN.           | kg/m   |
| 1.1400 B | 74514000 74514005 | 50 | 15 | 31 | 13,2 | 10 | 23 | 3  | 32,6 | 19,2 | 32,0          | 2,50   |

## Solid pin chain - metric pitch

### WITH ATTACHMENT TYPE "A"

PACKAGE OF 5MT

Connection link included.



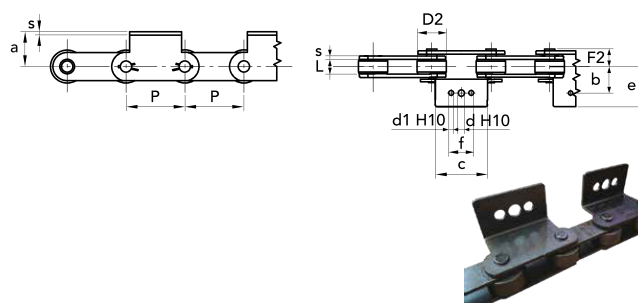
| CHAIN        | CODE              | P  | L    | D2 | a  | b  | c  | d   | e  | S   | F2    | breaking load | weight |
|--------------|-------------------|----|------|----|----|----|----|-----|----|-----|-------|---------------|--------|
| CHAIN        | C/L               | mm | mm   | mm | mm | mm | mm | mm  | mm | mm  | mm    | kN.           | kg/m   |
| 1.1205 A1-01 | 74522050 74522055 | 50 | 11,5 | 25 | 24 | 22 | 46 | 6,5 | 36 | 2,5 | 12,75 | 18,0          | 2,51   |
| 1.1205 A1-02 | 74532050 74522055 | 50 | 11,5 | 25 | 24 | 22 | 46 | 6,5 | 36 | 2,5 | 12,75 | 18,0          | 2,50   |

## Solid pin chain - metric pitch

### WITH ATTACHMENT TYPE "A"

PACKAGE OF 5MT

Connection link included.



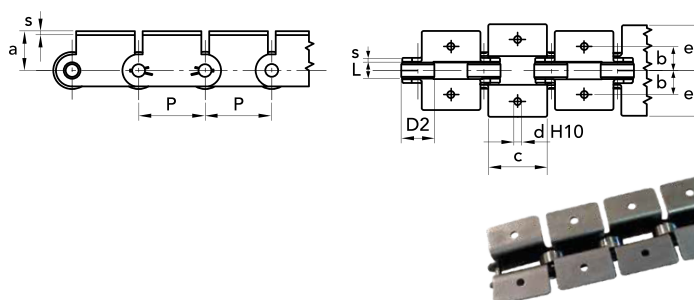
| CHAIN        | CODE     |          | P  | L  | D2 | a  | b  | c  | d    | e    | S  | d1  | f  | F2   | breaking load | weight |
|--------------|----------|----------|----|----|----|----|----|----|------|------|----|-----|----|------|---------------|--------|
|              | CHAIN    | C/L      | mm | mm | mm | mm | mm | mm | mm   | mm   | mm | mm  | mm | mm   | kN.           | kg/m   |
| 1.1400 A3-02 | 74534000 | 74534005 | 50 | 15 | 31 | 35 | 31 | 60 | 10,5 | 48,5 | 3  | 8,5 | 25 | 16,3 | 32,0          | 4,23   |
| 1.1500 A3-02 | 74535000 | 74535005 | 50 | 15 | 31 | 35 | 32 | 45 | 10,5 | 48   | 4  | 8,5 | 25 | 18,7 | 40,0          | 4,63   |

## Solid pin chain - metric pitch

### WITH ATTACHMENT TYPE "K"

PACKAGE OF 5MT

Connection link included.

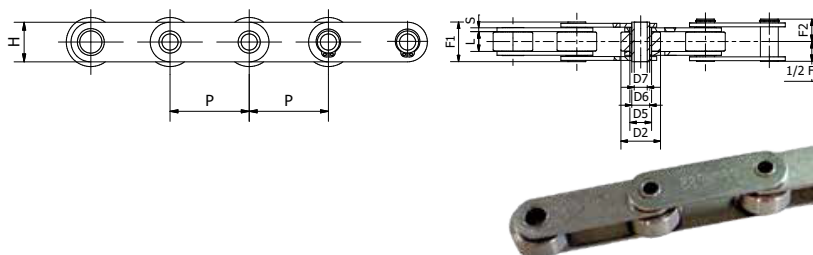


| CHAIN        | CODE     |          | P  | L    | D2 | a  | b  | c  | d   | e  | S   | breaking load | weight |
|--------------|----------|----------|----|------|----|----|----|----|-----|----|-----|---------------|--------|
|              | CHAIN    | C/L      | mm | mm   | mm | mm | mm | mm | mm  | mm | mm  | kN.           | kg/m   |
| 1.1205 K1-01 | 74542050 | 74542055 | 50 | 11,5 | 25 | 24 | 22 | 46 | 6,5 | 36 | 2,5 | 18,0          | 3,19   |
| 1.1205 K1-02 | 74552050 | 74542055 | 50 | 11,5 | 25 | 24 | 22 | 46 | 6,5 | 36 | 2,5 | 18,0          | 2,50   |

## Hollow pin chain - metric pitch

PACKAGE OF 5MT

Connection link included.



STAINLESS STEEL - INOX 304

| CHAIN          | CODE     |          | P   | L    | D2 | D5 | D6 | D7   | H  | S   | F1 | F2   | breaking load | weight |
|----------------|----------|----------|-----|------|----|----|----|------|----|-----|----|------|---------------|--------|
|                | CHAIN    | C/L      | mm  | mm   | mm | mm | mm | mm   | mm | mm  | mm | mm   | kN.           | kg/m   |
| 1.2250         | 74602500 | 74602505 | 50  | 11,5 | 25 | 11 | 9  | 6,2  | 20 | 2,5 | 26 | 14,5 | 30,0          | 1,80   |
| 1.2250 SS INOX | 74695400 | 74695405 | 50  | 11,5 | 25 | 11 | 9  | 6,2  | 20 | 2,5 | 26 | 14,5 | 20,0          | 1,80   |
| 1.2400         | 74604000 | 74604005 | 50  | 15   | 31 | 17 | 14 | 10,2 | 25 | 3   | 31 | 17,5 | 35,0          | 3,00   |
| 1.2500         | 74605000 | 74605005 | 50  | 15   | 31 | 17 | 14 | 10,2 | 25 | 4   | 35 | 19,5 | 40,0          | 3,60   |
| 1.2501         | 74605010 | 74605015 | 75  | 15   | 31 | 17 | 14 | 10,2 | 25 | 4   | 35 | 19,5 | 40,0          | 3,10   |
| 1.2502         | 74605020 | 74605025 | 100 | 15   | 31 | 17 | 14 | 10,2 | 25 | 4   | 35 | 19,5 | 40,0          | 2,60   |

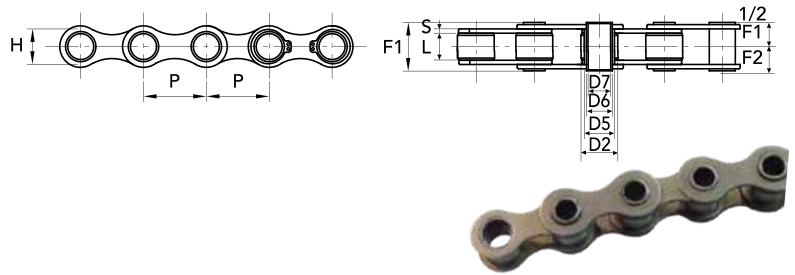


## Hollow pin chain - metric pitch

### FOOD INDUSTRY

PACKAGE OF 5MT

Connection link included.



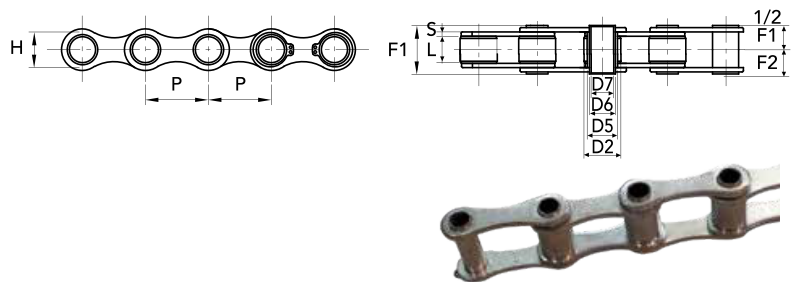
| CHAIN  | CODE     |          | P  | L  | D2 | D5 | D6 | D7   | H  | S   | F1 | F2   | breaking load | weight |
|--------|----------|----------|----|----|----|----|----|------|----|-----|----|------|---------------|--------|
|        | CHAIN    | C/L      | mm | mm | mm | mm | mm | mm   | mm | mm  | mm | mm   | kN.           | kg/m   |
| 1.3520 | 74605200 | 74605205 | 35 | 16 | 20 | 17 | 14 | 10,2 | 26 | 2,5 | 30 | 17,4 | 23,5          | 2,20   |

## Hollow pin chain - metric pitch

### ZINC PLATED

PACKAGE OF 5MT

Connection link included.

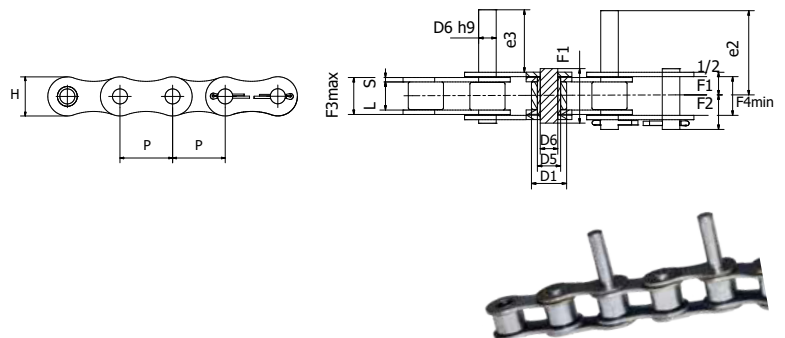


| CHAIN    | CODE     |          | P     | L    | D2 | D5   | D6 | D7   | H    | S   | F1 | F2   | breaking load | weight |
|----------|----------|----------|-------|------|----|------|----|------|------|-----|----|------|---------------|--------|
|          | CHAIN    | C/L      | mm    | mm   | mm | mm   | mm | mm   | mm   | mm  | mm | mm   | kN.           | kg/m   |
| 1.1260 Z | 74612600 | 74612605 | 41,75 | 20,5 | 17 | 13,8 | 11 | 8,3  | 21,4 | 3   | 36 | 22,7 | 27,0          | 1,50   |
| 1.3520 Z | 74615200 | 74615205 | 35    | 16   | 20 | 17   | 14 | 10,2 | 26   | 2,5 | 30 | 17,4 | 23,5          | 2,20   |

## Extended pin chains

PACKAGE OF 5MT

Connection link included.



| CHAIN    | CODE     |          | P  | L  | D1 | D5   | D6 | e2   | H    | S   | F1 | F2   | e3   | F3max | F4min | breaking load | weight |
|----------|----------|----------|----|----|----|------|----|------|------|-----|----|------|------|-------|-------|---------------|--------|
|          | CHAIN    | C/L      | mm | mm | mm | mm   | mm | mm   | mm   | mm  | mm | mm   | mm   | mm    | mm    | kN.           | kg/m   |
| 1.3521 Z | 74615210 | 74615215 | 35 | 16 | 20 | 13,0 | 10 | 48,5 | 26,0 | 2,5 | 31 | 19,0 | 35,0 | 21,0  | 21,5  | 35,0          | 2,80   |



## STAY UPDATED



Scan the QR code to discover the latest innovations in industrial chains.  
Our product range is continuously evolving: new solutions will soon be introduced  
to meet emerging market needs.

# Polyethylene guides

# 04

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## PROFILE T1

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

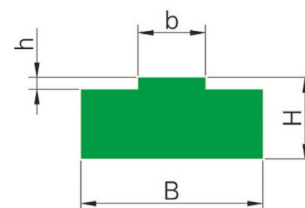
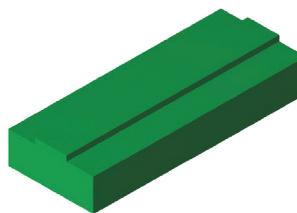
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN        | "ISO 606 (DIN 8187)" | B    | H    | b    | h   | WEIGHT   |
|-------------|--------------|--------------|----------------------|------|------|------|-----|----------|
|             |              |              |                      | mm   | mm   | mm   | mm  | Kg/piece |
| T1-01       | GC 1 05 01 2 | 3/8"x7/32"   | 06 B-1               | 15.0 | 10.0 | 5.4  | 1.5 | 0,26     |
| T1-05       | GC 1 05 05 2 | 1/2"x5/16"   | 08 B-1               | 20.0 | 10.0 | 7.4  | 2.2 | 0,33     |
| T1-06       | GC 1 05 06 2 | 1/2"x5/16"   | 08 B-1               | 20.0 | 15.0 | 7.4  | 2.2 | 0,52     |
| T1-07       | GC 1 05 07 2 | 1/2"x5/16"   | 08 B-1               | 20.0 | 20.0 | 7.4  | 2.2 | 0,70     |
| T1-09       | GC 1 05 09 2 | 5/8"x3/8"    | 10 B-1               | 20.0 | 10.0 | 9.2  | 2.6 | 0,32     |
| T1-10       | GC 1 05 10 2 | 5/8"x3/8"    | 10 B-1               | 20.0 | 15.0 | 9.2  | 2.6 | 0,52     |
| T1-11       | GC 1 05 11 2 | 5/8"x3/8"    | 10 B-1               | 20.0 | 20.0 | 9.2  | 2.6 | 0,71     |
| T1-13       | GC 1 05 13 2 | 3/4"x7/16"   | 12 B-1               | 25.0 | 10.0 | 11.3 | 2.4 | 0,42     |
| T1-14       | GC 1 05 14 2 | 3/4"x7/16"   | 12 B-1               | 25.0 | 15.0 | 11.3 | 2.4 | 0,65     |
| T1-15       | GC 1 05 15 2 | 3/4"x7/16"   | 12 B-1               | 25.0 | 20.0 | 11.3 | 2.4 | 0,88     |
| T1-18       | GC 1 05 18 2 | 1"x17 mm     | 16 B-1               | 40.0 | 15.0 | 16.5 | 3.5 | 0,94     |
| T1-19       | GC 1 05 19 2 | 1"x17 mm     | 16 B-1               | 40.0 | 20.0 | 16.5 | 3.5 | 1,32     |
| T1-21       | GC 1 05 21 2 | 1 1/4"x3/4"  | 20 B-1               | 45.0 | 15.0 | 19.0 | 4.3 | 1,06     |
| T1-22       | GC 1 05 22 2 | 1 1/4"x3/4"  | 20 B-1               | 45.0 | 20.0 | 19.0 | 4.3 | 1,49     |
| T1-24       | GC 1 05 24 2 | 1 1/2"x1"    | 24 B-1               | 60.0 | 15.0 | 24.6 | 5.6 | 1,33     |
| T1-25       | GC 1 05 25 2 | 1 1/2"x1"    | 24 B-1               | 60.0 | 20.0 | 24.6 | 5.6 | 1,90     |
| T1-27       | GC 1 05 27 2 | 1 3/4"x31 mm | 28 B-1               | 75.0 | 20.0 | 30.0 | 6.9 | 2,26     |

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE T2

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

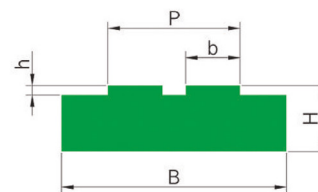
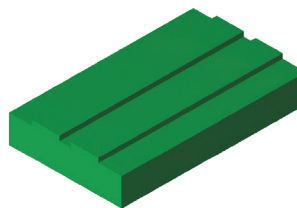
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN        | "ISO 606 (DIN 8187)" | B     | H    | b    | h   | P    | WEIGHT   |
|-------------|--------------|--------------|----------------------|-------|------|------|-----|------|----------|
|             |              |              |                      | mm    | mm   | mm   | mm  | mm   | Kg/piece |
| T2-01       | GC 1 10 01 2 | 3/8"x7/32"   | 06 B-2               | 25.0  | 10.0 | 5.4  | 1.5 | 15.8 | 0,50     |
| T2-05       | GC 1 10 05 2 | 1/2"x5/16"   | 08 B-2               | 35.0  | 10.0 | 7.4  | 2.2 | 21.4 | 0,72     |
| T2-06       | GC 1 10 06 2 | 1/2"x5/16"   | 08 B-2               | 35.0  | 15.0 | 7.4  | 2.2 | 21.4 | 1,06     |
| T2-07       | GC 1 10 07 2 | 1/2"x5/16"   | 08 B-2               | 35.0  | 20.0 | 7.4  | 2.2 | 21.4 | 1,38     |
| T2-09       | GC 1 10 09 2 | 5/8"x3/8"    | 10 B-2               | 40.0  | 10.0 | 9.2  | 2.6 | 25.8 | 0,85     |
| T2-10       | GC 1 10 10 2 | 5/8"x3/8"    | 10 B-2               | 40.0  | 15.0 | 9.2  | 2.6 | 25.8 | 1,23     |
| T2-11       | GC 1 10 11 2 | 5/8"x3/8"    | 10 B-2               | 40.0  | 20.0 | 9.2  | 2.6 | 25.8 | 1,61     |
| T2-13       | GC 1 10 13 2 | 3/4"x7/16"   | 12 B-2               | 45.0  | 15.0 | 11.3 | 2.4 | 30.8 | 1,19     |
| T2-14       | GC 1 10 14 2 | 3/4"x7/16"   | 12 B-2               | 45.0  | 20.0 | 11.3 | 2.4 | 30.8 | 1,62     |
| T2-15       | GC 1 10 15 2 | 1"x17 mm     | 16 B-2               | 65.0  | 15.0 | 16.5 | 3.5 | 48.4 | 1,88     |
| T2-18       | GC 1 10 18 2 | 1"x17 mm     | 16 B-2               | 65.0  | 20.0 | 16.5 | 3.5 | 48.4 | 2,30     |
| T2-19       | GC 1 10 19 2 | 1 1/4"x3/4"  | 20 B-2               | 70.0  | 15.0 | 19.0 | 4.3 | 54.5 | 1,85     |
| T2-21       | GC 1 10 21 2 | 1 1/4"x3/4"  | 20 B-2               | 70.0  | 20.0 | 19.0 | 4.3 | 54.5 | 2,51     |
| T2-22       | GC 1 10 22 2 | 1 1/2"x1"    | 24 B-2               | 88.0  | 20.0 | 24.6 | 5.6 | 73.0 | 3,16     |
| T2-24       | GC 1 10 24 2 | 1 3/4"x31 mm | 28 B-2               | 105.0 | 25.0 | 30.0 | 6.9 | 89.6 | 4,68     |
| T2-25       | GC 1 10 25 2 | 2"x31 mm     | 32 B-2               | 105.0 | 30.0 | 30.0 | 7.8 | 88.7 | 5,68     |

## PROFILE T3

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

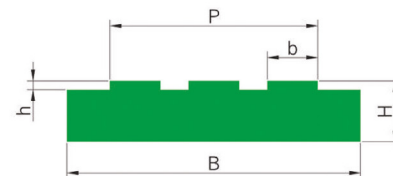
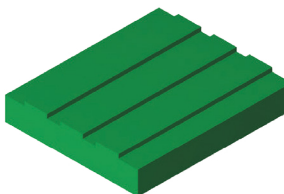
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B    | H    | b    | h   | P    | WEIGHT   |
|-------------|--------------|------------|----------------------|------|------|------|-----|------|----------|
|             |              |            |                      | mm   | mm   | mm   | mm  | mm   | Kg/piece |
| T3-01       | GC 1 15 01 2 | 3/8"x7/32" | 06 B-3               | 35.0 | 10.0 | 5.4  | 1.5 | 25.9 | 0,61     |
| T3-05       | GC 1 15 05 2 | 1/2"x5/16" | 08 B-3               | 45.0 | 10.0 | 7.4  | 2.2 | 35.2 | 0,76     |
| T3-06       | GC 1 15 06 2 | 1/2"x5/16" | 08 B-3               | 45.0 | 15.0 | 7.4  | 2.2 | 35.2 | 1,19     |
| T3-07       | GC 1 15 07 2 | 1/2"x5/16" | 08 B-3               | 45.0 | 20.0 | 7.4  | 2.2 | 35.2 | 1,62     |
| T3-09       | GC 1 15 09 2 | 5/8"x3/8"  | 10 B-3               | 55.0 | 10.0 | 9.2  | 2.6 | 42.4 | 0,91     |
| T3-10       | GC 1 15 10 2 | 5/8"x3/8"  | 10 B-3               | 55.0 | 15.0 | 9.2  | 2.6 | 42.4 | 1,60     |
| T3-11       | GC 1 15 11 2 | 5/8"x3/8"  | 10 B-3               | 55.0 | 20.0 | 9.2  | 2.6 | 42.4 | 2,18     |
| T3-13       | GC 1 15 13 2 | 3/4"x7/16" | 12 B-3               | 60.0 | 15.0 | 11.3 | 2.4 | 50.2 | 1,76     |
| T3-14       | GC 1 15 14 2 | 3/4"x7/16" | 12 B-3               | 60.0 | 20.0 | 11.3 | 2.4 | 50.2 | 2,39     |
| T3-15       | GC 1 15 15 2 | 1"x17 mm   | 16 B-3               | 95.0 | 20.0 | 16.5 | 3.5 | 80.3 | 3,53     |

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE T1C

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

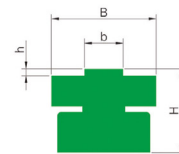
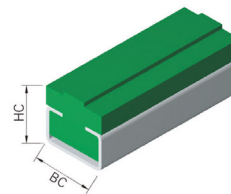
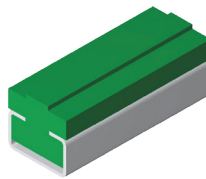
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN       | "ISO 606 (DIN 8187)" | B    | H    | BC   | HC   | b    | h   | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|-------------|----------------------|------|------|------|------|------|-----|------------------|----------|
|             |              |             |                      | mm   | mm   | mm   | mm   | mm   | mm  |                  | Kg/piece |
| T1C-31      | GC 1 20 31 2 | 3/8"x7/32"  | 06 B-1               | 20.0 | 15.0 | 20.0 | 17.0 | 5.4  | 1.5 | C 3              | 0,25     |
| T1C-33      | GC 1 20 33 2 | 1/2"x5/16"  | 08 B-1               | 20.0 | 15.0 | 20.0 | 17.0 | 7.4  | 2.2 | C 3              | 0,26     |
| T1C-34      | GC 1 20 34 2 | 5/8"x3/8"   | 10 B-1               | 20.0 | 15.0 | 20.0 | 17.0 | 9.2  | 2.6 | C 3              | 0,27     |
| T1C-35      | GC 1 20 35 2 | 3/4"x7/16"  | 12 B-1               | 20.0 | 15.0 | 20.0 | 17.0 | 11.3 | 2.4 | C 3              | 0,35     |
| T1C-36      | GC 1 20 36 2 | 1"x17 mm    | 16 B-1               | 28.0 | 15.0 | 28.0 | 18.0 | 16.5 | 3.5 | C 5              | 0,59     |
| T1C-37      | GC 1 20 37 2 | 1 1/4"x3/4" | 20 B-1               | 38.0 | 20.0 | 38.0 | 27.0 | 19.0 | 4.3 | C 9              | 1,27     |

METALLIC PROFILE NOT INCLUDED

## PROFILE T2C

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

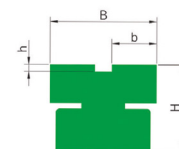
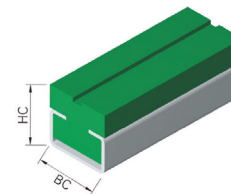
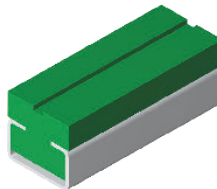
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B    | H    | BC   | HC   | b    | h   | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|------------|----------------------|------|------|------|------|------|-----|------------------|----------|
|             |              |            |                      | mm   | mm   | mm   | mm   | mm   | mm  |                  | Kg/piece |
| T2C-31      | GC 1 25 31 2 | 3/8"x7/32" | 06 B-2               | 15.7 | 15.0 | 20.0 | 17.0 | 5.4  | 1.5 | C 3              | 0,41     |
| T2C-33      | GC 1 25 33 2 | 1/2"x5/16" | 08 B-2               | 21.4 | 15.0 | 20.0 | 17.0 | 7.4  | 2.2 | C 3              | 0,48     |
| T2C-34      | GC 1 25 34 2 | 5/8"x3/8"  | 10 B-2               | 25.9 | 15.0 | 28.0 | 19.0 | 9.2  | 2.6 | C 5              | 0,52     |
| T2C-35      | GC 1 25 35 2 | 3/4"x7/16" | 12 B-2               | 30.7 | 15.0 | 28.0 | 19.0 | 11.3 | 2.4 | C 5              | 0,66     |
| T2C-36      | GC 1 25 36 2 | 1"x17 mm   | 16 B-2               | 48.3 | 20.0 | 38.0 | 27.0 | 16.5 | 3.5 | C 9              | 1,30     |

METALLIC PROFILE NOT INCLUDED

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)

## PROFILE E1

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

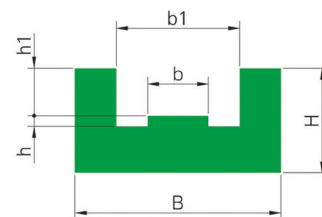
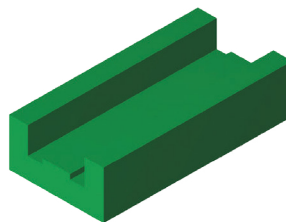
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B    | H    | b1   | h1   | b    | h   | WEIGHT   |
|-------------|--------------|------------|----------------------|------|------|------|------|------|-----|----------|
|             |              |            |                      | mm   | mm   | mm   | mm   | mm   | mm  | Kg/piece |
| E1-01       | GC 1 30 01 2 | 3/8"x7/32" | 06 B-1               | 25.0 | 10.0 | 15.0 | 4.4  | 5.4  | 1.5 | 0,41     |
| E1-05       | GC 1 30 05 2 | 1/2"x5/16" | 08 B-1               | 30.0 | 15.0 | 20.0 | 7.2  | 7.4  | 2.2 | 0,79     |
| E1-06       | GC 1 30 06 2 | 5/8"x3/8"  | 10 B-1               | 33.0 | 20.0 | 23.0 | 9.5  | 9.2  | 2.6 | 1,18     |
| E1-07       | GC 1 30 07 2 | 3/4"x7/16" | 12 B-1               | 38.0 | 20.0 | 28.0 | 11.1 | 11.3 | 2.4 | 1,31     |
| E1-10       | GC 1 30 10 2 | 1"x17 mm   | 16 B-1               | 51.0 | 25.0 | 41.0 | 16.5 | 16.5 | 3.5 | 2,35     |

## PROFILE E2

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

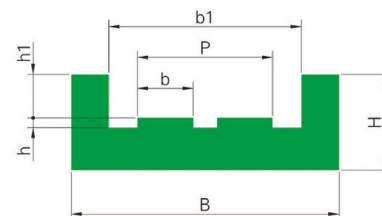
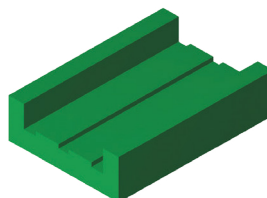
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B    | H    | BC   | HC   | b    | h   | P    | WEIGHT   |
|-------------|--------------|------------|----------------------|------|------|------|------|------|-----|------|----------|
|             |              |            |                      | mm   | mm   | mm   | mm   | mm   | mm  | mm   | Kg/piece |
| E2-01       | GC 1 35 01 2 | 3/8"x7/32" | 06 B-2               | 36.0 | 15.0 | 26.0 | 4.4  | 5.4  | 1.5 | 15.8 | 0,94     |
| E2-05       | GC 1 35 05 2 | 1/2"x5/16" | 08 B-2               | 45.0 | 20.0 | 35.0 | 7.2  | 7.4  | 2.2 | 21.4 | 1,38     |
| E2-06       | GC 1 35 06 2 | 5/8"x3/8"  | 10 B-2               | 50.0 | 25.0 | 40.0 | 9.5  | 9.2  | 2.6 | 25.8 | 1,83     |
| E2-07       | GC 1 35 07 2 | 3/4"x7/16" | 12 B-2               | 56.0 | 25.0 | 46.0 | 11.1 | 11.3 | 2.4 | 30.8 | 1,87     |
| E2-10       | GC 1 35 10 2 | 1"x17 mm   | 16 B-2               | 85.0 | 30.0 | 75.0 | 16.5 | 16.5 | 3.5 | 48.8 | 2,56     |

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE E1C

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

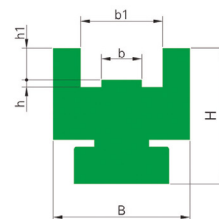
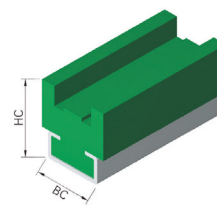
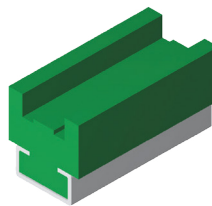
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B    | H    | BC   | HC   | b1   | h1   | b    | h   | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|------------|----------------------|------|------|------|------|------|------|------|-----|------------------|----------|
|             |              |            |                      | mm   | mm   | mm   | mm   | mm   | mm   | mm   | mm  |                  | Kg/piece |
| E1C-01      | GC 1 40 01 2 | 3/8"x7/32" | 06 B-1               | 25.0 | 18.0 | 20.0 | 20.0 | 15.0 | 4.4  | 5.4  | 1.5 | C-3              | 0,67     |
| E1C-05      | GC 1 40 05 2 | 1/2"x5/16" | 08 B-1               | 30.0 | 25.0 | 20.0 | 27.0 | 20.0 | 7.2  | 7.4  | 2.2 | C-3              | 1,05     |
| E1C-06      | GC 1 40 06 2 | 5/8"x3/8"  | 10 B-1               | 33.0 | 30.0 | 28.0 | 32.0 | 23.0 | 9.5  | 9.2  | 2.6 | C-5              | 1,65     |
| E1C-07      | GC 1 40 07 2 | 3/4"x7/16" | 12 B-1               | 38.0 | 35.0 | 38.0 | 38.5 | 28.0 | 11.1 | 11.3 | 2.4 | C-9              | 2,31     |
| E1C-10      | GC 1 40 10 2 | 1"x17 mm   | 16 B-1               | 51.0 | 40.0 | 38.0 | 43.5 | 41.0 | 16.5 | 16.5 | 3.5 | C-9              | 3,54     |

**METALLIC PROFILE NOT INCLUDED**

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)

## PROFILE BL

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

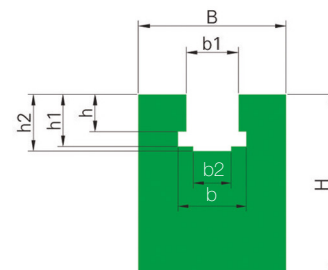
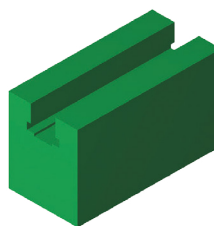
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN        | "ISO 606 (DIN 8187)" | B    | H    | b1   | b2   | h1   | h2   | b    | h    | WEIGHT   |
|-------------|--------------|--------------|----------------------|------|------|------|------|------|------|------|------|----------|
|             |              |              |                      | mm   | mm   | mm   | mm   | mm   | mm   | mm   | mm   | Kg/piece |
| BL-01       | GC 1 45 01 2 | 3/8"x7/32"   | 06 B-1               | 20.0 | 25.0 | 6.6  | 4.0  | 8.7  | 10.0 | 9.3  | 5.6  | 0,81     |
| BL-05       | GC 1 45 05 2 | 1/2"x5/16"   | 08 B-1               | 24.0 | 30.0 | 8.7  | 5.0  | 11.5 | 13.5 | 12.8 | 7.6  | 1,15     |
| BL-09       | GC 1 45 09 2 | 5/8"x3/8"    | 10 B-1               | 30.0 | 35.0 | 10.4 | 6.0  | 13.5 | 14.8 | 15.4 | 9.5  | 1,66     |
| BL-15       | GC 1 45 15 2 | 3/4"x7/16"   | 12 B-1               | 40.0 | 35.0 | 12.3 | 7.0  | 15.9 | 17.5 | 16.9 | 11.5 | 2,21     |
| BL-18       | GC 1 45 18 2 | 1"x17 mm     | 16 B-1               | 40.0 | 45.0 | 16.1 | 9.0  | 25.7 | 26.8 | 24.4 | 16.1 | 2,46     |
| BL-21       | GC 1 45 21 2 | 1 1/4"x3/4"  | 20 B-1               | 50.0 | 50.0 | 19.3 | 11.0 | 29.3 | 31.2 | 27.5 | 19.4 | 3,45     |
| BL-24       | GC 1 45 24 2 | 1 1/2"x1"    | 24 B-1               | 60.0 | 60.0 | 25.7 | 16.0 | 38.2 | 40.1 | 36.5 | 25.2 | 4,66     |
| BL-25       | GC 1 45 25 2 | 1 3/4"x31 mm | 28 B-1               | 60.0 | 70.0 | 28.3 | 17.0 | 46.9 | 48.9 | 41.5 | 30.8 | 4,95     |
| BL-30       | GC 1 45 30 2 | 2"x31 mm     | 32 B-1               | 70.0 | 75.0 | 29.6 | 19.0 | 47.3 | 53.0 | 44.5 | 30.8 | 6,53     |

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE BLC

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

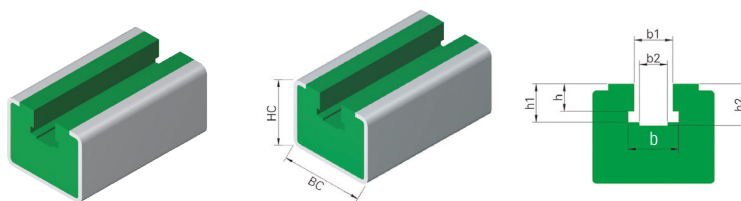
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN       | "ISO 606 (DIN 8187)" | BC   | HC   | b1   | b2   | h1   | h2   | b    | h    | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|-------------|----------------------|------|------|------|------|------|------|------|------|------------------|----------|
|             |              |             |                      | mm   | mm   | mm   | mm   | mm   | mm   | mm   | mm   |                  | Kg/piece |
| BLC-01      | GC 1 50 01 2 | 3/8"x7/32"  | 06 B-1               | 30.0 | 24.0 | 6.6  | 4.0  | 8.7  | 10.0 | 9.3  | 5.6  | C-10             | 0,81     |
| BLC-05      | GC 1 50 05 2 | 1/2"x5/16"  | 08 B-1               | 30.0 | 24.0 | 8.7  | 5.0  | 11.5 | 13.5 | 12.8 | 7.6  | C-10             | 0,81     |
| BLC-09      | GC 1 50 09 2 | 5/8"x3/8"   | 10 B-1               | 30.0 | 24.0 | 10.4 | 6.0  | 13.5 | 14.8 | 15.4 | 9.5  | C-10             | 0,81     |
| BLC-15      | GC 1 50 15 2 | 3/4"x7/16"  | 12 B-1               | 30.0 | 24.0 | 12.3 | 7.0  | 15.9 | 17.5 | 16.9 | 11.5 | C-10             | 0,81     |
| BLC-18      | GC 1 50 18 2 | 1"x17 mm    | 16 B-1               | 45.0 | 40.0 | 16.1 | 9.0  | 25.7 | 26.8 | 24.4 | 16.1 | C-11             | 2,22     |
| BLC-21      | GC 1 50 21 2 | 1 1/4"x3/4" | 20 B-1               | 45.0 | 40.0 | 19.3 | 11.0 | 29.3 | 31.2 | 27.5 | 19.5 | C-11             | 2,00     |

**METALLIC PROFILE NOT INCLUDED**

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)

## PROFILE U

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

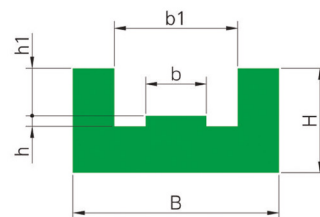
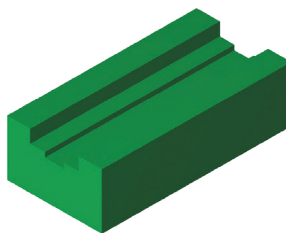
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | CHAIN      | "ISO 606 (DIN 8187)" | B  | H  | B    | b1  | h    | h1  | WEIGHT   |
|-------------|--------------|------------|----------------------|----|----|------|-----|------|-----|----------|
|             |              |            |                      | mm | mm | mm   | mm  | mm   | mm  | Kg/piece |
| U-01        | GC 1 55 01 2 | 3/8"x7/32" | 06 B-1               | 20 | 15 | 9.2  | 4.0 | 4.2  | 2.8 | 0,52     |
| U-02        | GC 1 55 02 2 | 1/2"x5/16" | 08 B-1               | 25 | 15 | 12.7 | 5.0 | 4.8  | 3.5 | 0,62     |
| U-03        | GC 1 55 03 2 | 5/8"x3/8"  | 10 B-1               | 25 | 15 | 15.2 | 6.0 | 5.1  | 3.6 | 0,59     |
| U-04        | GC 1 55 04 2 | 3/4"x7/16" | 12 B-1               | 25 | 20 | 16.7 | 7.0 | 5.7  | 3.9 | 0,81     |
| U-05        | GC 1 55 05 2 | 1"x17 mm   | 16 B-1               | 35 | 25 | 24.2 | 9.0 | 10.0 | 8.4 | 1,25     |

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE PC

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

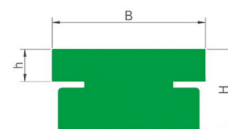
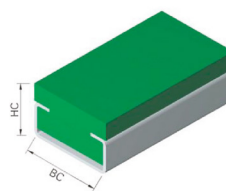
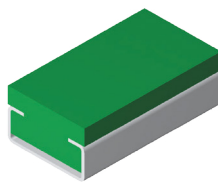
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | B    | H    | BC   | HC   | h    | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|------|------|------|------|------|------------------|----------|
|             |              | mm   | mm   | mm   | mm   | mm   |                  | Kg/piece |
| PC-01       | GC 2 60 01 2 | 20.0 | 10.0 | 20.0 | 14.0 | 4.0  | C-3              | 0,36     |
| PC-02       | GC 2 60 02 2 | 20.0 | 15.0 | 20.0 | 17.0 | 7.0  | C-3              | 0,50     |
| PC-03       | GC 2 60 03 2 | 20.0 | 20.0 | 20.0 | 22.0 | 12.0 | C-3              | 0,73     |
| PC-04       | GC 2 60 04 2 | 28.0 | 10.0 | 28.0 | 15.0 | 3.0  | C-5              | 0,53     |
| PC-05       | GC 2 60 05 2 | 28.0 | 15.0 | 28.0 | 18.0 | 6.0  | C-5              | 0,80     |
| PC-06       | GC 2 60 06 2 | 28.0 | 20.0 | 28.0 | 24.0 | 12.0 | C-5              | 1,06     |
| PC-07       | GC 2 60 07 2 | 38.0 | 10.0 | 38.0 | 21.0 | 3.0  | C-9              | 0,66     |
| PC-08       | GC 2 60 08 2 | 38.0 | 15.0 | 38.0 | 24.0 | 6.0  | C-9              | 1,01     |
| PC-09       | GC 2 60 09 2 | 38.0 | 20.0 | 38.0 | 30.0 | 12.0 | C-9              | 1,37     |

**METALLIC PROFILE NOT INCLUDED**

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## PROFILE SF

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

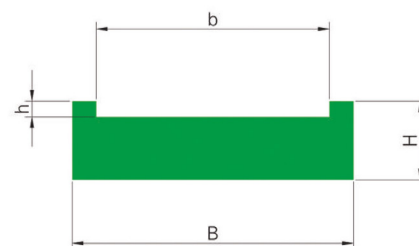
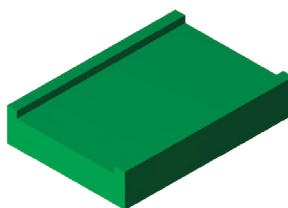
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | REFERENCE BELT   | H     | BC   | HC    | h   | WEIGHT   |
|-------------|--------------|------------------|-------|------|-------|-----|----------|
|             |              |                  | mm    | mm   | mm    | mm  | Kg/piece |
| SF 5-16     | GC 2 65 01 2 | T5 16-AT5 16     | 25.0  | 10.0 | 17.0  | 1.8 | 0,59     |
| SF 5-25     | GC 2 65 02 2 | T5 25-AT5 25     | 34.0  | 10.0 | 26.0  | 1.8 | 0,76     |
| SF 5-32     | GC 2 65 03 2 | T5 32-AT5 32     | 41.0  | 10.0 | 33.0  | 1.8 | 0,89     |
| SF 5-50     | GC 2 65 04 2 | T5 50-AT5 50     | 59.0  | 10.0 | 51.0  | 1.8 | 1,40     |
| SF 10-16    | GC 2 65 05 2 | T10 16-AT10 16   | 25.0  | 15.0 | 17.0  | 3.8 | 0,88     |
| SF 10-25    | GC 2 65 06 2 | T10 25-AT10 25   | 34.0  | 15.0 | 26.0  | 3.8 | 1,14     |
| SF 10-32    | GC 2 65 07 2 | T10 32-AT10 32   | 41.0  | 15.0 | 33.0  | 3.8 | 1,34     |
| SF 10-50    | GC 2 65 08 2 | T10 50-AT10 50   | 59.0  | 15.0 | 51.0  | 3.8 | 1,85     |
| SF 10-75    | GC 2 65 09 2 | T10 75-AT10 75   | 84.0  | 15.0 | 76.0  | 3.8 | 2,57     |
| SF 10-100   | GC 2 65 10 2 | T10 100-AT10 100 | 109.0 | 15.0 | 101.0 | 3.8 | 3,28     |
| SF 20-25    | GC 2 65 11 2 | T20 25-AT20 25   | 34.0  | 20.0 | 26.0  | 7.0 | 1,52     |
| SF 20-32    | GC 2 65 12 2 | T20 32-AT20 32   | 41.0  | 20.0 | 33.0  | 7.0 | 1,79     |
| SF 20-50    | GC 2 65 13 2 | T20 50-AT20 50   | 59.0  | 20.0 | 51.0  | 7.0 | 2,47     |
| SF 20-75    | GC 2 65 14 2 | T20 75-AT20 75   | 84.0  | 20.0 | 76.0  | 7.0 | 3,71     |
| SF 20-100   | GC 2 65 15 2 | T20 100-AT20 100 | 109.0 | 20.0 | 101.0 | 7.0 | 4,94     |



## PROFILE SFC

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

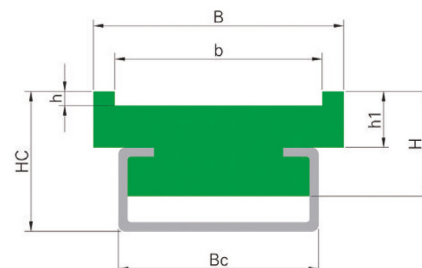
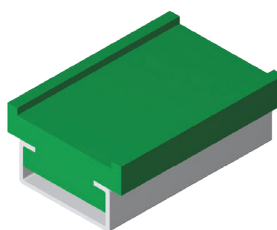
Color: green

Specific gravity: g/cm3 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm2 - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | REFERENCE BELT   | B     | H    | BC   | HC   | h1   | b     | h   | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|------------------|-------|------|------|------|------|-------|-----|------------------|----------|
|             |              |                  | mm    | mm   | mm   | mm   | mm   | mm    | mm  | mm               | Kg/piece |
| SFC 5-16    | GC 2 70 01 2 | T5 16-AT5 16     | 25.0  | 15.0 | 28.0 | 19.0 | 7.0  | 17.0  | 1.8 | C-5              | 0,88     |
| SFC 5-25    | GC 2 70 02 2 | T5 25-AT5 25     | 34.0  | 15.0 | 28.0 | 19.0 | 7.0  | 26.0  | 1.8 | C-5              | 1,14     |
| SFC 5-32    | GC 2 70 03 2 | T5 32-AT5 32     | 41.0  | 20.0 | 38.0 | 25.0 | 7.0  | 33.0  | 1.8 | C-9              | 1,79     |
| SFC 5-50    | GC 2 70 04 2 | T5 50-AT5 50     | 59.0  | 20.0 | 38.0 | 25.0 | 7.0  | 51.0  | 1.8 | C-9              | 2,79     |
| SFC 10-16   | GC 2 70 05 2 | T10 16-AT10 16   | 25.0  | 17.0 | 28.0 | 21.0 | 9.0  | 17.0  | 3.8 | C-5              | 1,18     |
| SFC 10-25   | GC 2 70 06 2 | T10 25-AT10 25   | 34.0  | 17.0 | 28.0 | 21.0 | 9.0  | 26.0  | 3.8 | C-5              | 1,52     |
| SFC 10-32   | GC 2 70 07 2 | T10 32-AT10 32   | 41.0  | 22.0 | 38.0 | 27.0 | 9.0  | 33.0  | 3.8 | C-9              | 2,23     |
| SFC 10-50   | GC 2 70 08 2 | T10 50-AT10 50   | 59.0  | 22.0 | 38.0 | 27.0 | 9.0  | 51.0  | 3.8 | C-9              | 3,09     |
| SFC 10-75   | GC 2 70 09 2 | T10 75-AT10 75   | 84.0  | 22.0 | 38.0 | 27.0 | 9.0  | 76.0  | 3.8 | C-9              | 4,63     |
| SFC 10-100  | GC 2 70 10 2 | T10 100-AT10 100 | 109.0 | 22.0 | 38.0 | 27.0 | 9.0  | 101.0 | 3.8 | C-9              | 6,18     |
| SFC 20-25   | GC 2 70 11 2 | T20 25-AT20 25   | 34.0  | 20.0 | 28.0 | 24.0 | 12.0 | 26.0  | 7.0 | C-5              | 1,52     |
| SFC 20-32   | GC 2 70 12 2 | T20 32-AT20 32   | 41.0  | 25.0 | 38.0 | 30.0 | 12.0 | 33.0  | 7.0 | C-9              | 2,23     |
| SFC 20-50   | GC 2 70 13 2 | T20 50-AT20 50   | 59.0  | 25.0 | 38.0 | 30.0 | 12.0 | 51.0  | 7.0 | C-9              | 3,09     |
| SFC 20-75   | GC 2 70 14 2 | T20 75-AT20 75   | 84.0  | 25.0 | 38.0 | 30.0 | 12.0 | 76.0  | 7.0 | C-9              | 4,63     |
| SFC 20-100  | GC 2 70 15 2 | T20 100-AT20 100 | 109.0 | 25.0 | 38.0 | 30.0 | 12.0 | 101.0 | 7.0 | C-9              | 6,18     |

**METALLIC PROFILE NOT INCLUDED**

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)

## PROFILE V

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

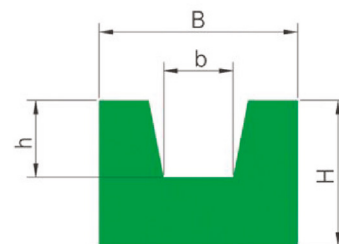
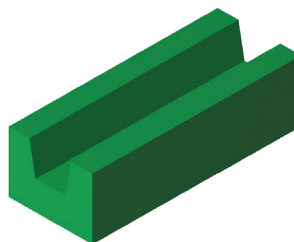
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | TRAPEZOIDAL BELT | B    | H    | b    | h    | WEIGHT   |
|-------------|--------------|------------------|------|------|------|------|----------|
|             |              |                  | mm   | mm   | mm   | mm   | Kg/piece |
| V-01        | GC 2 75 01 2 | Z                | 20.0 | 10.0 | 6.5  | 3.0  | 0,34     |
| V-03        | GC 2 75 03 2 | A                | 20.0 | 12.0 | 8.0  | 5.0  | 0,34     |
| V-05        | GC 2 75 05 2 | SPB              | 25.0 | 12.0 | 9.5  | 5.0  | 0,53     |
| V-07        | GC 2 75 07 2 | B                | 30.0 | 15.0 | 10.5 | 8.0  | 0,67     |
| V-09        | GC 2 75 09 2 | C                | 35.0 | 20.0 | 13.5 | 11.0 | 1,00     |
| V-11        | GC 2 75 11 2 | D                | 40.0 | 25.0 | 19.0 | 13.0 | 1,50     |



## PROFILE VC

### Standard lengths 2 METERS

(on request we provide higher lengths)

Material: PE-UHMW High molecular weight polyethylene (p.m. over 1.000.000)

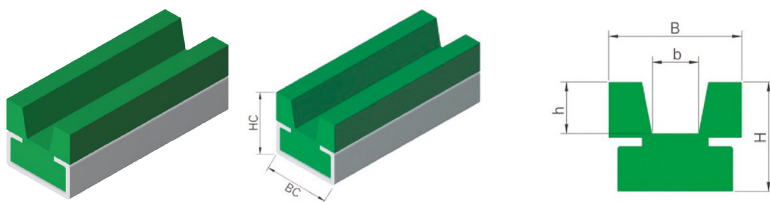
Color: green

Specific gravity: g/cm<sup>3</sup> 0,945

Dynamic friction coefficient: 0.2 (P = 0.05 N/mm<sup>2</sup> - V = 0.6 m/s - T = 40°C)

Temperature range : -70°C ÷ 65°C

Linear thermal expansion: mm 2 every 10°C from the temperature of 20°C.



| DESCRIPTION | ARTICLE CODE | REFERENCE BELT | B    | H    | BC   | HC   | h1   | b    | METALLIC PROFILE | WEIGHT   |
|-------------|--------------|----------------|------|------|------|------|------|------|------------------|----------|
|             |              |                | mm   | mm   | mm   | mm   | mm   | mm   | mm               | Kg/piece |
| VC-02       | GC 2 80 02 2 | Z              | 20.0 | 15.0 | 20.0 | 17.0 | 6.5  | 3.0  | C-3              | 0,28     |
| VC-04       | GC 2 80 04 2 | A              | 20.0 | 15.0 | 20.0 | 17.0 | 8.0  | 5.0  | C-3              | 0,27     |
| VC-06       | GC 2 80 06 2 | SPB            | 25.0 | 20.0 | 28.0 | 24.0 | 9.5  | 5.0  | C-5              | 0,60     |
| VC-08       | GC 2 80 08 2 | B              | 30.0 | 20.0 | 28.0 | 24.0 | 10.5 | 8.0  | C-5              | 0,72     |
| VC-10       | GC 2 80 10 2 | C              | 35.0 | 25.0 | 38.0 | 32.0 | 13.5 | 11.0 | C-9              | 1,14     |
| VC-12       | GC 2 80 12 2 | D              | 40.0 | 25.0 | 38.0 | 35.0 | 19.0 | 13.0 | C-9              | 1,12     |

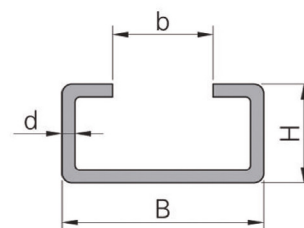
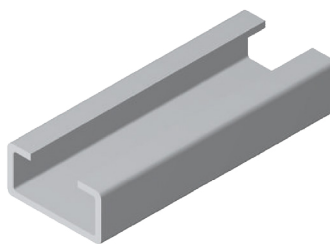
**METALLIC PROFILE NOT INCLUDED**

**Note:** all value have been measured in standard weather conditions: 23°C/73°F with 50% relative humidity (DIN 50005/ISO 554)



## C 3 - 5 - 9

**MATERIAL**  
GALVANIZED STEEL FE  
AISI 304 STEEL

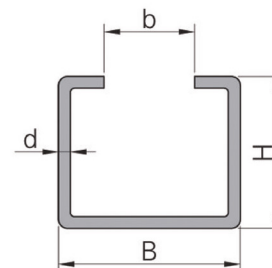
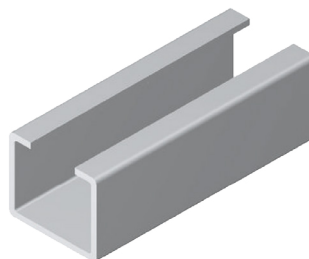


| DESCRIPTION                | ARTICLE CODE | B    | H    | b    | d   | WEIGHT   |
|----------------------------|--------------|------|------|------|-----|----------|
| <b>GALVANIZED STEEL FE</b> |              | mm   | mm   | mm   | mm  | Kg/piece |
| C-3 ZINCATO                | GC 0 00 03 2 | 20.0 | 10.0 | 10.0 | 1.5 | 0,86     |
| C-5 ZINCATO                | GC 0 00 05 2 | 28.0 | 12.0 | 14.0 | 1.5 | 1,70     |
| C-9 ZINCATO                | GC 0 00 09 2 | 38.0 | 18.0 | 22.0 | 1.5 | 1,96     |

| DESCRIPTION           | ARTICLE CODE | B    | H    | b    | d   | WEIGHT   |
|-----------------------|--------------|------|------|------|-----|----------|
| <b>AISI 304 STEEL</b> |              | mm   | mm   | mm   | mm  | Kg/piece |
| C-3 INOX              | GC 0 10 03 2 | 20.0 | 10.0 | 10.0 | 1.5 | 0,86     |
| C-5 INOX              | GC 0 10 05 2 | 28.0 | 12.0 | 14.0 | 1.5 | 1,70     |
| C-9 INOX              | GC 0 10 09 2 | 38.0 | 18.0 | 22.0 | 1.5 | 1,96     |

## C 10 - 11

**MATERIAL**  
GALVANIZED STEEL FE  
AISI 304 STEEL



| DESCRIPTION                | ARTICLE CODE | B    | H    | b    | d   | WEIGHT   |
|----------------------------|--------------|------|------|------|-----|----------|
| <b>GALVANIZED STEEL FE</b> |              | mm   | mm   | mm   | mm  | Kg/piece |
| C-10 ZINCATO               | GC 0 00 10 2 | 30.0 | 24.0 | 20.0 | 1.5 | 1,88     |
| C-11 ZINCATO               | GC 0 00 11 2 | 45.0 | 40.0 | 31.0 | 1.5 | 4,10     |

| DESCRIPTION           | ARTICLE CODE | B    | H    | b    | d   | WEIGHT   |
|-----------------------|--------------|------|------|------|-----|----------|
| <b>AISI 304 STEEL</b> |              | mm   | mm   | mm   | mm  | Kg/piece |
| C-10 INOX             | GC 0 10 10 2 | 30.0 | 24.0 | 20.0 | 1.5 | 1,88     |
| C-11 INOX             | GC 0 10 11 2 | 45.0 | 40.0 | 31.0 | 1.5 | 4,10     |

# Straight spur gear and racks

Spur gears and racks are the classical elements for the mechanical transmission of rotary and traverse motion between the machine's moving parts.

However, the industry's needs are extremely articulated for what concerns the spur gear and rack performance requirements in terms of accuracy or resistance required for the typical end-use operating conditions for which they are designed.

For this reason, it would be impossible to offer a product designed to meet any need of the industrial market.

Being aware of this, Chiaravalli Group SpA during the past years has decided to offer a wide range of spur gears and racks for general use, characterized by an excellent quality level. Spur gear and racks are manufactured using a standard C45 EN10083 steel and based on a standard reference profile according to DIN 3962/63/67.

This ensures a complete connection at tooth base with a remarkable increase in deflection strength.

The systematic use of state-of-the-art CNC machines with special hobs cutters for high cutting speed combined with specific technologies, enables us to produce with accuracy level according to DIN 3962.

Tooth thickness manufacturing tolerances have been selected to comply with "cd25" Coupling Category according to DIN 3967, which defines

position and tolerance range dimension to ensure the proper backlash between the two gears.

For general operating conditions, "js8" manufacturing centre distance tolerance is suggested to ensure during the operation a minimum backlash between the gears and at the same time limits the maximum backlash value.

The same considerations are valid also for spur gear /rack coupling since they are manufactured with the same Coupling Category.

Our Technical Office is available and willing to recommend the most appropriate assembly tolerances to Customers who are interested. In case of specific needs, we are also able to manufacture gears with higher or lower backlash coupling compared to standard.

Upon request, we can produce our standard straight gears shown in the catalog with a convex longitudinal teeth shape. This solution is particularly useful if the end user cannot guarantee a perfect alignment between the axes.

THE WIDE AND MODERN MACHINE RANGE ENABLES OUR COMPANY TO MANUFACTURE CUSTOMIZED SPUR GEARS WITH HIGH QUALITY AND COMPETITIVE PRICE.

Our Technical Office is available to support Customers on their needs/issues and provide them the best quotation.

# Index

- 154 STRAIGHT **SPUR GEARS** WITH **HUB**
- 157 STRAIGHT **SPUR GEARS** WITHOUT **HUB**
- 159 **RACKS**



## WITH HUB

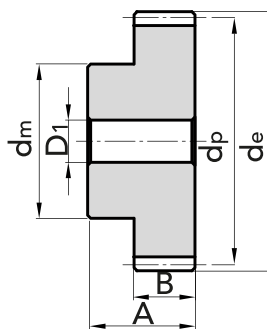
Pressure angle: 20°

MATERIAL  
MATERIAL C45 EN 10083

WIDTH BAND B for:

Module 1 = 15mm  
Module 1,5 = 17mm  
Module 2 = 20mm

TOTAL WIDTH A for:

Module 1 = 25mm  
Module 1,5 = 30mm  
Module 2 = 35mm

| Module 1 - Modulo 1 |          |                |                |                |                 |      |
|---------------------|----------|----------------|----------------|----------------|-----------------|------|
| Z                   | CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
| 12                  | 30110012 | 14             | 12             | 9              | 5               | 0,01 |
| 13                  | 30110013 | 15             | 13             | 10             | 5               | 0,02 |
| 14                  | 30110014 | 16             | 14             | 10             | 6               | 0,02 |
| 15                  | 30110015 | 17             | 15             | 12             | 6               | 0,02 |
| 16                  | 30110016 | 18             | 16             | 13             | 6               | 0,03 |
| 17                  | 30110017 | 19             | 17             | 14             | 8               | 0,03 |
| 18                  | 30110018 | 20             | 18             | 15             | 8               | 0,03 |
| 19                  | 30110019 | 21             | 19             | 15             | 8               | 0,04 |
| 20                  | 30110020 | 22             | 20             | 16             | 8               | 0,04 |
| 21                  | 30110021 | 23             | 21             | 16             | 8               | 0,05 |
| 22                  | 30110022 | 24             | 22             | 18             | 8               | 0,05 |
| 23                  | 30110023 | 25             | 23             | 18             | 8               | 0,06 |
| 24                  | 30110024 | 26             | 24             | 20             | 8               | 0,06 |
| 25                  | 30110025 | 27             | 25             | 20             | 8               | 0,07 |
| 26                  | 30110026 | 28             | 26             | 20             | 8               | 0,07 |
| 27                  | 30110027 | 29             | 27             | 20             | 8               | 0,08 |
| 28                  | 30110028 | 30             | 28             | 20             | 8               | 0,08 |
| 29                  | 30110029 | 31             | 29             | 20             | 8               | 0,09 |
| 30                  | 30110030 | 32             | 30             | 20             | 8               | 0,09 |
| 31                  | 30110031 | 33             | 31             | 25             | 10              | 0,11 |
| 32                  | 30110032 | 34             | 32             | 25             | 10              | 0,12 |
| 33                  | 30110033 | 35             | 33             | 25             | 10              | 0,12 |
| 34                  | 30110034 | 36             | 34             | 25             | 10              | 0,13 |
| 35                  | 30110035 | 37             | 35             | 25             | 10              | 0,14 |
| 36                  | 30110036 | 38             | 36             | 25             | 10              | 0,14 |
| 37                  | 30110037 | 39             | 37             | 25             | 10              | 0,15 |
| 38                  | 30110038 | 40             | 38             | 25             | 10              | 0,16 |
| 39                  | 30110039 | 41             | 39             | 25             | 10              | 0,16 |
| 40                  | 30110040 | 42             | 40             | 25             | 10              | 0,17 |
| 41                  | 30110041 | 43             | 41             | 30             | 10              | 0,19 |
| 42                  | 30110042 | 44             | 42             | 30             | 10              | 0,2  |
| 43                  | 30110043 | 45             | 43             | 30             | 10              | 0,21 |
| 44                  | 30110044 | 46             | 44             | 30             | 10              | 0,22 |
| 45                  | 30110045 | 47             | 45             | 30             | 10              | 0,23 |
| 46                  | 30110046 | 48             | 46             | 30             | 10              | 0,23 |
| 47                  | 30110047 | 49             | 47             | 30             | 10              | 0,24 |
| 48                  | 30110048 | 50             | 48             | 30             | 10              | 0,35 |
| 49                  | 30110049 | 51             | 49             | 30             | 10              | 0,36 |
| 50                  | 30110050 | 52             | 50             | 30             | 12              | 0,26 |
| 51                  | 30110051 | 53             | 51             | 40             | 12              | 0,32 |
| 52                  | 30110052 | 54             | 52             | 40             | 12              | 0,33 |
| 53                  | 30110053 | 55             | 53             | 40             | 12              | 0,33 |
| 54                  | 30110054 | 56             | 54             | 40             | 12              | 0,34 |
| 55                  | 30110055 | 57             | 55             | 40             | 12              | 0,36 |
| 56                  | 30110056 | 58             | 56             | 40             | 12              | 0,37 |
| 57                  | 30110057 | 59             | 57             | 40             | 12              | 0,38 |
| 58                  | 30110058 | 60             | 58             | 40             | 12              | 0,39 |
| 59                  | 30110059 | 61             | 59             | 40             | 12              | 0,4  |
| 60                  | 30110060 | 62             | 60             | 40             | 12              | 0,41 |
| 61                  | 30110061 | 63             | 61             | 50             | 12              | 0,47 |
| 62                  | 30110062 | 64             | 62             | 50             | 12              | 0,49 |
| 63                  | 30110063 | 65             | 63             | 50             | 12              | 0,5  |
| 64                  | 30110064 | 66             | 64             | 50             | 12              | 0,51 |
| 65                  | 30110065 | 67             | 65             | 50             | 12              | 0,52 |
| 66                  | 30110066 | 68             | 66             | 50             | 12              | 0,53 |
| 67                  | 30110067 | 69             | 67             | 50             | 12              | 0,55 |
| 68                  | 30110068 | 70             | 68             | 50             | 12              | 0,56 |
| 69                  | 30110069 | 71             | 69             | 50             | 12              | 0,57 |
| 70                  | 30110070 | 72             | 70             | 50             | 12              | 0,58 |

| Module 1,5 - Modulo 1,5 |                |                |                |                 |      |  |
|-------------------------|----------------|----------------|----------------|-----------------|------|--|
| CODE                    | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |  |
| 30115012                | 21,0           | 18,0           | 14             | 8               | 0,04 |  |
| 30115013                | 22,5           | 19,5           | 14             | 8               | 0,05 |  |
| 30115014                | 24,0           | 21,0           | 17             | 8               | 0,06 |  |
| 30115015                | 25,5           | 22,5           | 18             | 8               | 0,07 |  |
| 30115016                | 27,0           | 24,0           | 20             | 8               | 0,08 |  |
| 30115017                | 28,5           | 25,5           | 20             | 8               | 0,09 |  |
| 30115018                | 30,0           | 27,0           | 20             | 8               | 0,10 |  |
| 30115019                | 31,5           | 28,5           | 20             | 8               | 0,10 |  |
| 30115020                | 33,0           | 30,0           | 25             | 8               | 0,13 |  |
| 30115021                | 34,5           | 31,5           | 25             | 10              | 0,13 |  |
| 30115022                | 36,0           | 33,0           | 25             | 10              | 0,14 |  |
| 30115023                | 37,5           | 34,5           | 25             | 10              | 0,16 |  |
| 30115024                | 39,0           | 36,0           | 25             | 10              | 0,17 |  |
| 30115025                | 40,5           | 37,5           | 25             | 10              | 0,18 |  |
| 30115026                | 42,0           | 39,0           | 30             | 12              | 0,20 |  |
| 30115027                | 43,5           | 40,5           | 30             | 12              | 0,22 |  |
| 30115028                | 45,0           | 42,0           | 30             | 12              | 0,23 |  |
| 30115029                | 46,5           | 43,5           | 30             | 12              | 0,24 |  |
| 30115030                | 48,0           | 45,0           | 30             | 12              | 0,26 |  |
| 30115031                | 49,5           | 46,5           | 35             | 12              | 0,30 |  |
| 30115032                | 51,0           | 48,0           | 35             | 12              | 0,31 |  |
| 30115033                | 52,5           | 49,5           | 35             | 12              | 0,33 |  |
| 30115034                | 54,0           | 51,0           | 35             | 12              | 0,34 |  |
| 30115035                | 55,5           | 52,5           | 35             | 12              | 0,36 |  |
| 30115036                | 57,0           | 54,0           | 35             | 12              | 0,37 |  |
| 30115037                | 58,5           | 55,5           | 40             | 12              | 0,42 |  |
| 30115038                | 60,0           | 57,0           | 40             | 12              | 0,44 |  |
| 30115039                | 61,5           | 58,5           | 40             | 12              | 0,46 |  |
| 30115040                | 63,0           | 60,0           | 40             | 12              | 0,48 |  |
| 30115041                | 64,5           | 61,5           | 50             | 14              | 0,50 |  |
| 30115042                | 66,0           | 63,0           | 50             | 14              | 0,59 |  |
| 30115043                | 67,5           | 64,5           | 50             | 14              | 0,61 |  |
| 30115044                | 69,0           | 66,0           | 50             | 14              | 0,63 |  |
| 30115045                | 70,5           | 67,5           | 50             | 14              | 0,65 |  |
| 30115046                | 72,0           | 69,0           | 50             | 14              | 0,66 |  |
| 30115047                | 73,5           | 70,5           | 50             | 14              | 0,7  |  |
| 30115048                | 75,0           | 72,0           | 50             | 14              | 0,7  |  |
| 30115049                | 76,5           | 73,5           | 50             | 14              | 0,73 |  |
| 30115050                | 78,0           | 75,0           | 50             | 14              | 0,76 |  |
| 30115051                | 79,5           | 76,5           | 60             | 15              | 0,86 |  |
| 30115052                | 81,0           | 78,0           | 60             | 15              | 0,89 |  |
| 30115053                | 82,5           | 79,5           | 60             | 15              | 0,91 |  |
| 30115054                | 84,0           | 81,0           | 60             | 15              | 0,94 |  |
| 30115055                | 85,5           | 82,5           | 60             | 15              | 0,96 |  |
| 30115056                | 87,0           | 84,0           | 60             | 15              | 0,98 |  |
| 30115057                | 88,5           | 85,5           | 60             | 15              | 1,00 |  |
| 30115058                | 90,0           | 87,0           | 60             | 15              | 1,03 |  |
| 30115059                | 91,5           | 88,5           | 60             | 15              | 1,06 |  |
| 30115060                | 93,0           | 90,0           | 60             | 15              | 1,09 |  |
| 30115061                | 94,5           | 91,5           | 70             | 20              | 1,22 |  |
| 30115062                | 96,0           | 93,0           | 70             | 20              | 1,25 |  |
| 30115063                | 97,5           | 94,5           | 70             | 20              | 1,28 |  |
| 30115064                | 99,0           | 96,0           | 70             | 20              | 1,31 |  |
| 30115065                | 100,5          | 97,5           | 70             | 20              | 1,34 |  |
| 30115066                | 102,0          | 99,0           | 70             | 20              | 1,37 |  |
| 30115067                | 103,5          | 100,5          | 70             | 20              | 1,40 |  |
| 30115068                | 105,0          | 102,0          | 70             | 20              | 1,43 |  |
| 30115069                | 106,5          | 103,5          | 70             | 20              | 1,46 |  |
| 30115070                | 108,0          | 105,0          | 70             | 20              | 1,50 |  |

| Module 3 - Modulo 3 |                |                |                |                 |      |  |
|---------------------|----------------|----------------|----------------|-----------------|------|--|
| CODE                | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |  |
| 30120012            | 28             | 24             | 18             | 10              | 0,08 |  |
| 30120013            | 30             | 26             | 19             | 10              | 0,1  |  |
| 30120014            | 32             | 28             | 20             | 10              | 0,12 |  |
| 30120015            | 34             | 30             | 22             | 10              | 0,14 |  |
| 30120016            | 36             | 32             | 24             | 10              | 0,16 |  |
| 30120017            | 38             | 34             | 25             | 10              | 0,18 |  |
| 30120018            | 40             | 36             | 25             | 10              | 0,19 |  |
| 30120019            | 42             | 38             | 25             | 10              | 0,21 |  |
| 30120020            | 44             | 40             | 30             | 10              | 0,26 |  |
| 30120021            | 46             | 42             | 30             | 12              | 0,27 |  |
| 30120022            | 48             | 44             | 30             | 12              | 0,29 |  |
| 30120023            | 50             | 46             | 30             | 12              | 0,31 |  |
| 30120024            | 52             | 48             | 35             | 12              | 0,36 |  |
| 30120025            | 54             | 50             | 35             | 12              | 0,39 |  |
| 30120026            | 56             | 52             | 40             | 12              | 0,45 |  |
| 30120027            | 58             | 54             | 40             | 12              | 0,47 |  |
| 30120028            | 60             | 56             | 40             | 12              | 0,5  |  |
| 30120029            | 62             | 58             | 40             | 14              | 0,52 |  |
| 30120030            | 64             | 60             | 40             | 14              | 0,55 |  |
| 30120031            | 66             | 62             | 45             | 14              | 0,61 |  |
| 30120032            | 68             | 64             | 45             | 14              | 0,65 |  |
| 30120033            | 70             | 66             | 45             | 14              | 0,68 |  |
| 30120034            | 72             | 68             | 45             | 14              | 0,71 |  |
| 30120035            | 74             | 70             | 45             | 14              | 0,74 |  |
| 30120036            | 76             | 72             | 45             | 14              | 0,78 |  |
| 30120037            | 78             | 74             | 50             | 14              | 0,86 |  |
| 30120038            | 80             | 76             | 50             | 14              | 0,9  |  |
| 30120039            | 82             | 78             | 50             | 14              | 0,93 |  |
| 30120040            | 84             | 80             | 50             | 14              | 0,97 |  |
| 30120041            | 86             | 82             | 60             | 16              | 1,05 |  |
| 30120042            | 88             | 84             | 60             | 16              | 1,09 |  |
| 30120043            | 90             | 86             | 60             | 16              | 1,13 |  |
| 30120044            | 92             | 88             | 60             | 16              | 1,23 |  |
| 30120045            | 94             | 90             | 60             | 16              | 1,27 |  |
| 30120046            | 96             | 92             | 60             | 16              | 1,31 |  |
| 30120047            | 98             | 94             | 60             | 16              | 1,48 |  |
| 30120048            | 100            | 96             | 70             | 16              | 1,53 |  |
| 30120049            | 102            | 98             | 70             | 16              | 1,57 |  |
| 30120050            | 104            | 100            | 70             | 16              | 1,62 |  |
| 30120051            | 106            | 102            | 70             | 20              | 1,67 |  |
| 30120052            | 108            | 104            | 70             | 20              | 1,72 |  |
| 30120053            | 110            | 106            | 70             | 20              | 1,78 |  |
| 30120054            | 112            | 108            | 70             | 20              | 1,83 |  |
| 30120055            | 114            | 110            | 70             | 20              | 1,88 |  |
| 30120056            | 116            | 112            | 70             | 20              | 1,94 |  |
| 30120057            | 118            | 114            | 70             | 20              | 1,99 |  |
| 30120058            | 120            | 116            | 70             | 20              | 2,05 |  |
| 30120059            | 122            | 118            | 70             | 20              | 2,11 |  |
| 30120060            | 124            | 120            | 70             | 20              | 2,16 |  |
| 30120061            | 126            | 122            | 80             | 20              | 2,36 |  |
| 30120062            | 128            | 124            | 80             | 20              | 2,42 |  |
| 30120063            | 130            | 126            | 80             | 20              | 2,48 |  |
| 30120064            | 132            | 128            | 80             | 20              | 2,55 |  |
| 30120065            | 134            | 130            | 80             | 20              | 2,61 |  |
| 30120066            | 136            | 132            | 80             | 20              | 2,67 |  |
| 30120067            | 138            | 134            | 80             | 20              | 2,74 |  |
| 30120068            | 140            | 136            | 80             | 20              | 2,81 |  |
| 30120069            | 142            | 138            | 80             | 20              | 2,87 |  |
| 30120070            | 144            | 140            | 80             | 20              | 2,94 |  |



## WITH HUB

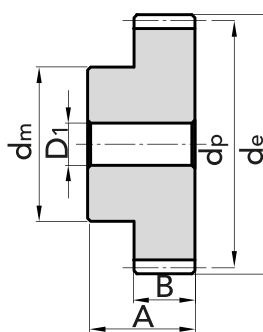
Pressure angle: 20°

MATERIAL  
MATERIAL C45 EN 10083

WIDTH BAND B for:

Module 2,5 = 25mm  
Module 3 = 30mm  
Module 4 = 40mm

TOTAL WIDTH A for:

Module 2,5 = 40mm  
Module 3 = 50mm  
Module 4 = 60mm

Module 2,5 - Modulo 2,5

| Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----|----------|----------------|----------------|----------------|-----------------|------|
| 12 | 30125012 | 35,0           | 30,0           | 22             | 10              | 0,17 |
| 13 | 30125013 | 37,5           | 32,5           | 25             | 10              | 0,21 |
| 14 | 30125014 | 40,0           | 35,0           | 28             | 10              | 0,25 |
| 15 | 30125015 | 42,5           | 37,5           | 30             | 10              | 0,30 |
| 16 | 30125016 | 45,0           | 40,0           | 32             | 12              | 0,33 |
| 17 | 30125017 | 47,5           | 42,5           | 35             | 12              | 0,38 |
| 18 | 30125018 | 50,0           | 45,0           | 35             | 12              | 0,42 |
| 19 | 30125019 | 52,5           | 47,5           | 35             | 12              | 0,45 |
| 20 | 30125020 | 55,0           | 50,0           | 40             | 14              | 0,54 |
| 21 | 30125021 | 57,5           | 52,5           | 40             | 14              | 0,56 |
| 22 | 30125022 | 60,0           | 55,0           | 45             | 14              | 0,66 |
| 23 | 30125023 | 62,5           | 57,5           | 45             | 14              | 0,70 |
| 24 | 30125024 | 65,0           | 60,0           | 45             | 14              | 0,74 |
| 25 | 30125025 | 67,5           | 62,5           | 50             | 14              | 0,85 |
| 26 | 30125026 | 70,0           | 65,0           | 50             | 14              | 0,90 |
| 27 | 30125027 | 72,5           | 67,5           | 50             | 14              | 0,95 |
| 28 | 30125028 | 75,0           | 70,0           | 50             | 14              | 1,00 |
| 29 | 30125029 | 77,5           | 72,5           | 50             | 14              | 1,06 |
| 30 | 30125030 | 80,0           | 75,0           | 55             | 16              | 1,18 |
| 31 | 30125031 | 82,5           | 77,5           | 55             | 16              | 1,22 |
| 32 | 30125032 | 85,0           | 80,0           | 55             | 16              | 1,28 |
| 33 | 30125033 | 87,5           | 82,5           | 55             | 16              | 1,34 |
| 34 | 30125034 | 90,0           | 85,0           | 55             | 16              | 1,41 |
| 35 | 30125035 | 92,5           | 87,5           | 60             | 16              | 1,54 |
| 36 | 30125036 | 95,0           | 90,0           | 60             | 16              | 1,61 |
| 37 | 30125037 | 97,5           | 92,5           | 60             | 16              | 1,68 |
| 38 | 30125038 | 100,0          | 95,0           | 60             | 16              | 1,75 |
| 39 | 30125039 | 102,5          | 97,5           | 60             | 16              | 1,83 |
| 40 | 30125040 | 105,0          | 100,0          | 70             | 20              | 2,06 |
| 41 | 30125041 | 107,5          | 102,5          | 70             | 20              | 2,14 |
| 42 | 30125042 | 110,0          | 105,0          | 70             | 20              | 2,22 |
| 43 | 30125043 | 112,5          | 107,5          | 70             | 20              | 2,30 |
| 44 | 30125044 | 115,0          | 110,0          | 70             | 20              | 2,38 |
| 45 | 30125045 | 117,5          | 112,5          | 70             | 20              | 2,47 |
| 46 | 30125046 | 120,0          | 115,0          | 70             | 20              | 2,52 |
| 47 | 30125047 | 122,5          | 117,5          | 80             | 20              | 2,80 |
| 48 | 30125048 | 125,0          | 120,0          | 80             | 20              | 2,88 |
| 49 | 30125049 | 127,5          | 122,5          | 80             | 20              | 2,98 |
| 50 | 30125050 | 130,0          | 125,0          | 80             | 20              | 3,07 |
| 51 | 30125051 | 132,5          | 127,5          | 90             | 20              | 3,17 |
| 52 | 30125052 | 135,0          | 130,0          | 90             | 20              | 3,48 |
| 53 | 30125053 | 137,5          | 132,5          | 90             | 20              | 3,58 |
| 54 | 30125054 | 140,0          | 135,0          | 90             | 20              | 3,68 |
| 55 | 30125055 | 142,5          | 137,5          | 90             | 20              | 3,78 |
| 56 | 30125056 | 145,0          | 140,0          | 100            | 20              | 4,13 |
| 57 | 30125057 | 147,5          | 142,5          | 100            | 20              | 4,23 |
| 58 | 30125058 | 150,0          | 145,0          | 100            | 20              | 4,34 |
| 59 | 30125059 | 152,5          | 147,5          | 100            | 20              | 4,46 |
| 60 | 30125060 | 155,0          | 150,0          | 100            | 20              | 4,57 |

Module 3 - Modulo 3

| CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----------|----------------|----------------|----------------|-----------------|------|
| 30130012 | 42             | 36             | 25             | 12              | 0,28 |
| 30130013 | 45             | 39             | 25             | 12              | 0,34 |
| 30130014 | 48             | 42             | 30             | 12              | 0,41 |
| 30130015 | 51             | 45             | 35             | 12              | 0,47 |
| 30130016 | 54             | 48             | 38             | 15              | 0,54 |
| 30130017 | 57             | 51             | 42             | 15              | 0,63 |
| 30130018 | 60             | 54             | 45             | 15              | 0,72 |
| 30130019 | 63             | 57             | 45             | 15              | 0,78 |
| 30130020 | 66             | 60             | 45             | 15              | 0,84 |
| 30130021 | 69             | 63             | 45             | 15              | 0,89 |
| 30130022 | 72             | 66             | 50             | 15              | 1,02 |
| 30130023 | 75             | 69             | 50             | 15              | 1,10 |
| 30130024 | 78             | 72             | 50             | 16              | 1,18 |
| 30130025 | 81             | 75             | 60             | 16              | 1,39 |
| 30130026 | 84             | 78             | 60             | 16              | 1,48 |
| 30130027 | 87             | 81             | 60             | 16              | 1,56 |
| 30130028 | 90             | 84             | 60             | 16              | 1,66 |
| 30130029 | 93             | 87             | 60             | 16              | 1,75 |
| 30130030 | 96             | 90             | 60             | 16              | 1,85 |
| 30130031 | 99             | 93             | 70             | 20              | 1,95 |
| 30130032 | 102            | 96             | 70             | 20              | 2,21 |
| 30130033 | 105            | 99             | 70             | 20              | 2,32 |
| 30130034 | 108            | 102            | 70             | 20              | 2,43 |
| 30130035 | 111            | 105            | 70             | 20              | 2,55 |
| 30130036 | 114            | 108            | 70             | 20              | 2,62 |
| 30130037 | 117            | 111            | 80             | 20              | 2,74 |
| 30130038 | 120            | 114            | 80             | 20              | 3,05 |
| 30130039 | 123            | 117            | 80             | 20              | 3,18 |
| 30130040 | 126            | 120            | 80             | 20              | 3,31 |
| 30130041 | 129            | 123            | 90             | 20              | 3,44 |
| 30130042 | 132            | 126            | 90             | 20              | 3,58 |
| 30130043 | 135            | 129            | 90             | 20              | 3,72 |
| 30130044 | 138            | 132            | 90             | 20              | 4,07 |
| 30130045 | 141            | 135            | 90             | 20              | 4,22 |
| 30130046 | 144            | 138            | 90             | 20              | 4,37 |
| 30130047 | 147            | 141            | 90             | 20              | 4,76 |
| 30130048 | 150            | 144            | 100            | 20              | 4,92 |

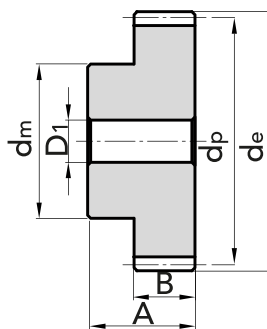
Module 4 - Modulo 4

| CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----------|----------------|----------------|----------------|-----------------|------|
| 30140012 | 56             | 48             | 35             | 14              | 0,63 |
| 30140013 | 60             | 52             | 40             | 14              | 0,78 |
| 30140014 | 64             | 56             | 45             | 14              | 0,93 |
| 30140015 | 68             | 60             | 45             | 14              | 1,05 |
| 30140016 | 72             | 64             | 50             | 15              | 1,20 |
| 30140017 | 76             | 68             | 50             | 15              | 1,33 |
| 30140018 | 80             | 72             | 50             | 15              | 1,47 |
| 30140019 | 84             | 76             | 60             | 15              | 1,75 |
| 30140020 | 88             | 80             | 60             | 15              | 1,90 |
| 30140021 | 92             | 84             | 70             | 20              | 2,22 |
| 30140022 | 96             | 88             | 70             | 20              | 2,39 |
| 30140023 | 100            | 92             | 75             | 20              | 2,60 |
| 30140024 | 104            | 96             | 75             | 20              | 2,79 |
| 30140025 | 108            | 100            | 75             | 20              | 2,98 |
| 30140026 | 112            | 104            | 75             | 20              | 3,18 |
| 30140027 | 116            | 108            | 75             | 20              | 3,39 |
| 30140028 | 120            | 112            | 75             | 20              | 3,60 |
| 30140029 | 124            | 116            | 75             | 20              | 3,83 |
| 30140030 | 128            | 120            | 75             | 20              | 4,06 |
| 30140031 | 132            | 124            | 80             | 20              | 4,39 |
| 30140032 | 136            | 128            | 80             | 20              | 4,64 |
| 30140033 | 140            | 132            | 80             | 20              | 4,90 |
| 30140034 | 144            | 136            | 80             | 20              | 5,16 |
| 30140035 | 148            | 140            | 80             | 20              | 5,43 |
| 30140036 | 152            | 144            | 80             | 20              | 5,63 |



## WITH HUB

Pressure angle: 20°

MATERIAL  
MATERIAL C45 EN 10083WIDTH BAND **B** for:Module 5 = 50mm  
Module 6 = 60mm  
Module 8 = 80mmTOTAL WIDTH **A** for:Module 5 = 75mm  
Module 6 = 80mm  
Module 8 = 110mm

Module 5 - Modulo 5

| Z  | CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----|----------|----------------|----------------|----------------|-----------------|------|
| 12 | 30150012 | 70             | 60             | 45             | 16              | 1,21 |
| 13 | 30150013 | 75             | 65             | 50             | 16              | 1,47 |
| 14 | 30150014 | 80             | 70             | 55             | 20              | 1,76 |
| 15 | 30150015 | 85             | 75             | 60             | 20              | 2,07 |
| 16 | 30150016 | 90             | 80             | 65             | 20              | 2,40 |
| 17 | 30150017 | 95             | 85             | 70             | 20              | 2,75 |
| 18 | 30150018 | 100            | 90             | 70             | 20              | 3,02 |
| 19 | 30150019 | 105            | 95             | 70             | 20              | 3,30 |
| 20 | 30150020 | 110            | 100            | 80             | 20              | 3,83 |
| 21 | 30150021 | 115            | 105            | 80             | 20              | 4,15 |
| 22 | 30150022 | 120            | 110            | 80             | 25              | 4,48 |
| 23 | 30150023 | 125            | 115            | 90             | 25              | 5,08 |
| 24 | 30150024 | 130            | 120            | 90             | 25              | 5,44 |
| 25 | 30150025 | 135            | 125            | 90             | 25              | 5,82 |
| 26 | 30150026 | 140            | 130            | 100            | 25              | 6,50 |
| 27 | 30150027 | 145            | 135            | 100            | 25              | 6,91 |
| 28 | 30150028 | 150            | 140            | 100            | 25              | 7,22 |
| 29 | 30150029 | 155            | 145            | 100            | 25              | 7,98 |
| 30 | 30150030 | 160            | 150            | 100            | 25              | 8,44 |

Module 6 - Modulo 6

| CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----------|----------------|----------------|----------------|-----------------|------|
| 30160012 | 84             | 72             | 54             | 16              | 1,98 |
| 30160013 | 90             | 78             | 60             | 16              | 2,38 |
| 30160015 | 102            | 90             | 70             | 20              | 3,29 |
| 30160016 | 108            | 96             | 75             | 20              | 3,80 |
| 30160018 | 120            | 108            | 80             | 20              | 4,76 |
| 30160020 | 132            | 120            | 90             | 20              | 5,99 |
| 30160024 | 156            | 144            | 110            | 25              | 8,70 |
| 30160025 | 162            | 150            | 110            | 25              | 9,33 |

Module 8 - Modulo 8

| CODE     | d <sub>e</sub> | d <sub>p</sub> | d <sub>m</sub> | ØD <sub>1</sub> | kg.  |
|----------|----------------|----------------|----------------|-----------------|------|
| 30180015 | 136            | 120            | 90             | 25              | 8,2  |
| 30180018 | 160            | 144            | 100            | 25              | 11,7 |
| 30180020 | 176            | 160            | 120            | 30              | 14,6 |
| 30180024 | 208            | 192            | 150            | 30              | 21,7 |
| 30180025 | 216            | 200            | 150            | 30              | 23,3 |
| 30180028 | 240            | 224            | 170            | 30              | 29,5 |
| 30180030 | 256            | 240            | 190            | 30              | 34,4 |





## WITHOUT HUB

Pressure angle: 20°

MATERIAL

MATERIAL C45 EN 10083

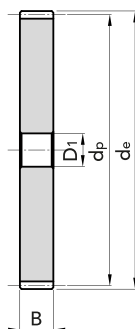
WIDTH BAND **B** for:

Module 1 = 15mm

Module 1,5 = 17mm

Module 2 = 20mm

Module 2,5 = 25mm

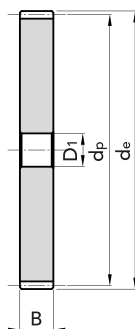


| Module 1 - Modulo 1 |          |                |                |                 |      | Module 1,5 - Modulo 1,5 |                |                |                 |      | Module 2 - Modulo 2 |                |                |                 |      | Module 2,5 - Modulo 2,5 |                |                |                 |     |       |
|---------------------|----------|----------------|----------------|-----------------|------|-------------------------|----------------|----------------|-----------------|------|---------------------|----------------|----------------|-----------------|------|-------------------------|----------------|----------------|-----------------|-----|-------|
| Z                   | CODE     | d <sub>e</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.  | CODE                    | d <sub>e</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.  | CODE                | d <sub>e</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.  | CODE                    | d <sub>e</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg. |       |
| 55                  |          |                |                |                 |      |                         |                |                |                 |      |                     |                |                |                 |      |                         |                |                |                 |     |       |
| 57                  |          |                |                |                 |      |                         |                |                |                 |      |                     |                |                |                 |      |                         |                |                |                 |     |       |
| 60                  |          |                |                |                 |      |                         |                |                |                 |      |                     |                |                |                 |      |                         |                |                |                 |     |       |
| 65                  |          |                |                |                 |      |                         |                |                |                 |      |                     |                |                |                 |      |                         | 30225065       | 167,5          | 162,5           | 20  | 3,99  |
| 70                  |          |                |                |                 |      |                         |                |                |                 |      |                     |                |                |                 |      |                         | 30225070       | 180            | 175             | 20  | 4,64  |
| 72                  | 30210072 | 74             | 72             | 12              | 0,46 | 30215072                | 111            | 108            | 20              | 1,19 | 30220072            | 148            | 144            | 20              | 2,50 |                         | 30225072       | 185            | 180             | 20  | 4,91  |
| 75                  | 30210075 | 77             | 75             | 12              | 0,51 | 30215075                | 115,5          | 112,5          | 20              | 1,30 | 30220075            | 154            | 150            | 20              | 2,61 |                         | 30225075       | 192,5          | 187,5           | 20  | 5,33  |
| 76                  | 30210076 | 78             | 76             | 12              | 0,52 | 30215076                | 117            | 114            | 20              | 1,33 | 30220076            | 156            | 152            | 20              | 2,79 |                         | 30225076       | 195            | 190             | 20  | 5,48  |
| 80                  | 30210080 | 82             | 80             | 12              | 0,58 | 30215080                | 123            | 120            | 20              | 1,48 | 30220080            | 164            | 160            | 20              | 3,09 |                         | 30225080       | 205            | 200             | 25  | 6,04  |
| 85                  | 30210085 | 87             | 85             | 12              | 0,65 | 30215085                | 130,5          | 127,5          | 20              | 1,67 | 30220085            | 174            | 170            | 20              | 3,50 |                         | 30225085       | 217,5          | 212,5           | 25  | 6,84  |
| 90                  | 30210090 | 92             | 90             | 12              | 0,73 | 30215090                | 138            | 135            | 20              | 1,78 | 30220090            | 184            | 180            | 20              | 3,93 |                         | 30225090       | 230            | 225             | 25  | 7,68  |
| 95                  | 30210095 | 97             | 95             | 12              | 0,82 | 30215095                | 145,5          | 142,5          | 20              | 2,09 | 30220095            | 194            | 190            | 20              | 4,39 |                         | 30225095       | 242,5          | 237,5           | 25  | 8,57  |
| 100                 | 30210100 | 102            | 100            | 12              | 0,91 | 30215100                | 153            | 150            | 20              | 2,32 | 30220100            | 204            | 200            | 20              | 4,87 |                         | 30225100       | 255            | 250             | 25  | 9,51  |
| 110                 | 30210110 | 112            | 110            | 12              | 1,10 | 30215110                | 168            | 165            | 20              | 2,82 | 30220110            | 224            | 220            | 20              | 5,90 |                         | 30225110       | 280            | 275             | 25  | 11,53 |
| 114                 | 30210114 | 116            | 114            | 12              | 1,19 | 30215114                | 174            | 171            | 20              | 3,03 | 30220114            | 232            | 228            | 20              | 6,34 |                         | 30225114       | 290            | 285             | 25  | 12,39 |
| 120                 | 30210120 | 122            | 120            | 12              | 1,32 | 30215120                | 183            | 180            | 20              | 3,36 | 30220120            | 244            | 240            | 20              | 7,03 |                         | 30225120       | 305            | 300             | 25  | 13,74 |
| 127                 | 30210127 | 129            | 127            | 12              | 1,47 | 30215127                | 193,5          | 190,5          | 20              | 3,77 | 30220127            | 258            | 254            | 20              | 7,89 |                         | 30225127       | 322,5          | 317,5           | 25  | 15,40 |



## WITHOUT HUB

Pressure angle: 20°

MATERIAL  
MATERIAL C45 EN 10083WIDTH BAND **B** for:Module 3 = 30mm  
Module 4 = 40mm  
Module 5 = 50mm  
Module 6 = 60mm

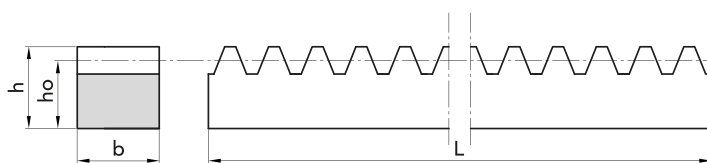
| Module 3 - Modulo 3 |          |                |                |                 |       | Module 4 - Modulo 4 |                |                |                 |       | Module 5 - Modulo 5 |                |                |                 |       | Module 6 - Modulo 6 |                |                |                 |       |
|---------------------|----------|----------------|----------------|-----------------|-------|---------------------|----------------|----------------|-----------------|-------|---------------------|----------------|----------------|-----------------|-------|---------------------|----------------|----------------|-----------------|-------|
| Z                   | CODE     | d <sub>a</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.   | CODE                | d <sub>a</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.   | CODE                | d <sub>a</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.   | CODE                | d <sub>a</sub> | d <sub>p</sub> | ØD <sub>1</sub> | kg.   |
| 28                  |          |                |                |                 |       |                     |                |                |                 |       |                     |                |                |                 |       | 30260028            | 180            | 168            | 25              | 10,0  |
| 30                  |          |                |                |                 |       |                     |                |                |                 |       |                     |                |                |                 |       | 30260030            | 192            | 180            | 25              | 11,55 |
| 32                  |          |                |                |                 |       |                     |                |                |                 |       | 30250032            | 170            | 160            | 25              | 7,62  | 30260032            | 204            | 192            | 25              | 13,22 |
| 35                  |          |                |                |                 |       |                     |                |                |                 |       | 30250035            | 185            | 175            | 25              | 9,16  | 30260035            | 222            | 210            | 25              | 15,79 |
| 38                  |          |                |                |                 |       | 30240038            | 160            | 152            | 25              | 5,20  | 30250038            | 200            | 190            | 30              | 10,84 | 30260038            | 240            | 228            | 25              | 18,74 |
| 40                  |          |                |                |                 |       | 30240040            | 168            | 160            | 25              | 6,11  | 30250040            | 210            | 200            | 30              | 12,04 | 30260040            | 252            | 240            | 25              | 20,75 |
| 45                  |          |                |                |                 |       | 30240045            | 188            | 180            | 25              | 7,68  | 30250045            | 235            | 225            | 30              | 15,30 |                     |                |                |                 |       |
| 48                  |          |                |                |                 |       | 30240048            | 200            | 192            | 25              | 8,87  | 30250048            | 250            | 240            | 30              | 17,44 |                     |                |                |                 |       |
| 50                  | 30230050 | 156            | 150            | 25              | 4,06  | 30240050            | 208            | 200            | 25              | 9,65  | 30250050            | 260            | 250            | 30              | 18,69 |                     |                |                |                 |       |
| 52                  | 30230052 | 162            | 156            | 25              | 4,40  | 30240052            | 216            | 208            | 25              | 10,45 | 30250052            | 270            | 260            | 30              | 20,43 |                     |                |                |                 |       |
| 55                  | 30230055 | 171            | 165            | 25              | 4,93  | 30240055            | 228            | 220            | 25              | 11,01 | 30250055            | 285            | 275            | 30              | 22,89 |                     |                |                |                 |       |
| 57                  | 30230057 | 177            | 171            | 25              | 5,30  | 30240057            | 236            | 228            | 25              | 12,59 | 30250057            | 295            | 285            | 30              | 24,62 |                     |                |                |                 |       |
| 60                  | 30230060 | 186            | 180            | 25              | 5,89  | 30240060            | 248            | 240            | 25              | 13,97 | 30250060            | 310            | 300            | 30              | 27,31 |                     |                |                |                 |       |
| 65                  | 30230065 | 201            | 195            | 25              | 6,92  | 30240065            | 268            | 260            | 25              | 16,43 | 30250065            | 335            | 325            | 30              | 32,12 |                     |                |                |                 |       |
| 70                  | 30230070 | 216            | 210            | 25              | 8,00  | 30240070            | 288            | 280            | 25              | 19,09 | 30250070            | 360            | 350            | 30              | 37,31 |                     |                |                |                 |       |
| 72                  | 30230072 | 222            | 216            | 25              | 8,47  |                     |                |                |                 |       |                     |                |                |                 |       |                     |                |                |                 |       |
| 75                  | 30230075 | 231            | 225            | 25              | 9,21  | 30240075            | 308            | 300            | 25              | 21,94 | 30250075            | 385            | 375            | 30              | 42,88 |                     |                |                |                 |       |
| 76                  | 30230076 | 234            | 228            | 25              | 9,46  | 30240076            | 312            | 304            | 25              | 22,47 | 30250076            | 390            | 380            | 30              | 44,04 |                     |                |                |                 |       |
| 80                  | 30230080 | 246            | 240            | 25              | 10,49 | 30240080            | 328            | 320            | 25              | 24,83 | 30250080            | 410            | 400            | 30              | 48,84 |                     |                |                |                 |       |
| 85                  | 30230085 | 261            | 255            | 25              | 11,76 | 30240085            | 348            | 340            | 25              | 28,18 | 30250085            | 435            | 425            | 30              | 55,19 |                     |                |                |                 |       |
| 90                  | 30230090 | 276            | 270            | 25              | 13,82 | 30240090            | 368            | 360            | 25              | 31,62 | 30250090            | 460            | 450            | 30              | 61,92 |                     |                |                |                 |       |
| 95                  | 30230095 | 291            | 285            | 25              | 14,86 | 30240095            | 388            | 380            | 25              | 35,26 | 30250095            | 485            | 475            | 30              | 69,03 |                     |                |                |                 |       |
| 100                 | 30230100 | 306            | 300            | 25              | 16,48 | 30240100            | 408            | 400            | 25              | 39,11 | 30250100            | 510            | 500            | 30              | 76,53 |                     |                |                |                 |       |
| 110                 | 30230110 | 336            | 320            | 25              | 19,97 | 30240110            | 448            | 440            | 25              | 47,38 | 30250110            | 560            | 550            | 30              | 92,69 |                     |                |                |                 |       |
| 114                 | 30230114 | 348            | 342            | 25              | 21,40 | 30240114            | 464            | 456            | 25              | 50,91 | 30250114            | 580            | 570            | 30              | 99,59 |                     |                |                |                 |       |
| 120                 | 30230120 | 366            | 360            | 25              | 23,74 |                     |                |                |                 |       |                     |                |                |                 |       |                     |                |                |                 |       |
| 127                 | 30230127 | 387            | 381            | 25              | 26,61 |                     |                |                |                 |       |                     |                |                |                 |       |                     |                |                |                 |       |

## RACKS

Pressure angle: 20°

All the racks provided by Chiaravalli Group SpA are realized for continuous mounting.

**MATERIAL**  
MATERIAL C45 EN 10083



DIMENSIONS b x h - DIMENSIONI b x h

| M   | CODE     | b  | h  | ho   | L    | kg.   |
|-----|----------|----|----|------|------|-------|
| 1   | 30910050 | 15 | 15 | 14   | 500  | 0,82  |
|     | 30910100 |    |    |      | 1000 | 1,64  |
|     | 30910200 |    |    |      | 2000 | 3,20  |
|     | 30910300 |    |    |      | 3000 | 4,80  |
| 1,5 | 30915050 | 17 | 17 | 15,5 | 500  | 1,00  |
|     | 30915100 |    |    |      | 1000 | 2,05  |
|     | 30915200 |    |    |      | 2000 | 4,00  |
|     | 30915300 |    |    |      | 3000 | 6,00  |
| 2   | 30920050 | 20 | 20 | 18   | 500  | 1,41  |
|     | 30920100 |    |    |      | 1000 | 2,75  |
|     | 30920200 |    |    |      | 2000 | 5,50  |
|     | 30920300 |    |    |      | 3000 | 8,20  |
| 2,5 | 30925050 | 25 | 25 | 22,5 | 500  | 2,10  |
|     | 30925100 |    |    |      | 1000 | 4,50  |
|     | 30925200 |    |    |      | 2000 | 9,00  |
|     | 30925300 |    |    |      | 3000 | 13,40 |
| 3   | 30930050 | 30 | 30 | 27   | 500  | 3,10  |
|     | 30930100 |    |    |      | 1000 | 6,50  |
|     | 30930200 |    |    |      | 2000 | 13,00 |
|     | 30930300 |    |    |      | 3000 | 19,40 |
| 4   | 30939050 | 30 | 30 | 26   | 500  | 3,05  |
|     | 30939100 |    |    |      | 1000 | 6,10  |
|     | 30939200 |    |    |      | 2000 | 12,50 |
| 4   | 30940050 | 40 | 40 | 36   | 500  | 5,50  |
|     | 30940100 |    |    |      | 1000 | 11,00 |
|     | 30940200 |    |    |      | 2000 | 23,00 |
|     | 30940300 |    |    |      | 3000 | 34,00 |
| 5   | 30950050 | 50 | 50 | 45   | 500  | 8,30  |
|     | 30950100 |    |    |      | 1000 | 17,50 |
|     | 30950200 |    |    |      | 2000 | 35,00 |
|     | 30950300 |    |    |      | 3000 | 52,40 |
| 6   | 30960050 | 60 | 60 | 54   | 500  | 12,65 |
|     | 30960100 |    |    |      | 1000 | 25,50 |
|     | 30960200 |    |    |      | 2000 | 51,00 |
|     | 30960300 |    |    |      | 3000 | 76,40 |
| 8   | 30980200 | 80 | 80 | 72   | 2000 | 90,00 |
| 10  | 30999200 | 80 | 80 | 70   | 2000 | 87,90 |

# INSTRUCTIONS FOR CONTINUOUS MOUNTING

Pressure angle: 20°

Tolerance on the pitch: = fpt  
from M=1 up to M=3 = ± 0,028  
from M=4 up to M=10 = ± 0,040

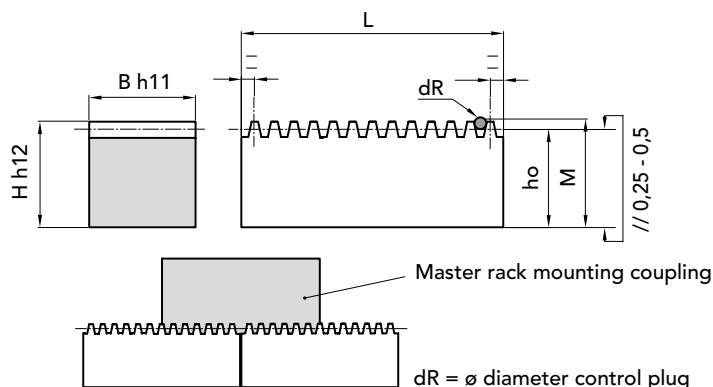
Tolerance on the sum of the wheelbases on 100 mm = ± 0,08

Quality class 9 as per norm

DIN 3962/63/67

MATERIAL

MATERIAL C45 EN 10083



| M   | B h11 | H h12 | dR | ho   | M     | M - ho |
|-----|-------|-------|----|------|-------|--------|
| 1   | 15    | 15    | 2  | 14   | 15,71 | 1,71   |
| 1,5 | 17    | 17    | 3  | 15,5 | 18,09 | 2,59   |
| 2   | 20    | 20    | 4  | 18   | 21,43 | 3,43   |
| 2,5 | 25    | 25    | 5  | 22,5 | 26,81 | 4,31   |
| 3   | 30    | 30    | 6  | 27   | 32,2  | 5,2    |
| 4   | 30    | 30    | 8  | 26   | 32,92 | 6,92   |
| 4   | 40    | 40    | 8  | 36   | 42,92 | 6,92   |
| 5   | 50    | 50    | 10 | 45   | 53,66 | 8,66   |
| 6   | 60    | 60    | 12 | 54   | 64,6  | 10,6   |
| 8   | 80    | 80    | 14 | 72   | 82,2  | 10,2   |
| 10  | 80    | 80    | 18 | 70   | 83,74 | 13,74  |

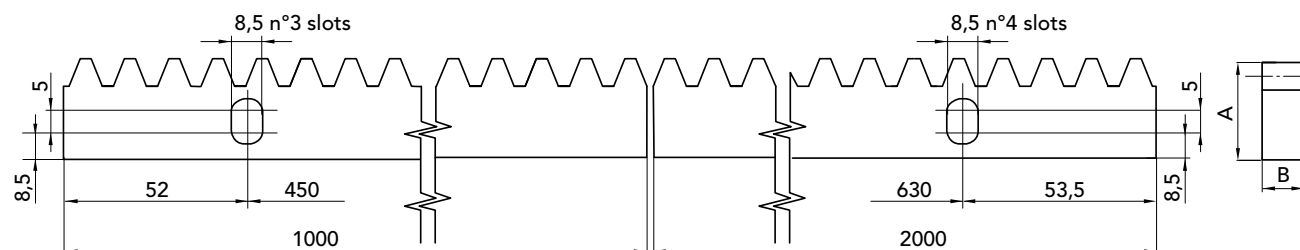
| L= real lenght of the rack x continuous mounting |              |              |              |
|--------------------------------------------------|--------------|--------------|--------------|
| 502,1 ± 0,3                                      | 1001,6 ± 0,3 | 2000,4 ± 0,3 | 2999,3 ± 0,3 |
| 503,6 ± 0,3                                      | 1003,1 ± 0,3 | 2002,0 ± 0,3 | 3000,8 ± 0,3 |
| 502,1 ± 0,3                                      | 1004,6 ± 0,3 | 2003,6 ± 0,3 | 3002,4 ± 0,3 |
| 502,1 ± 0,3                                      | 1004,6 ± 0,3 | 2001,8 ± 0,3 | 2999,1 ± 0,3 |
| 508,3 ± 0,3                                      | 1007,7 ± 0,3 | 2006,4 ± 0,3 | 3005,4 ± 0,3 |
| 502,1 ± 0,3                                      | 1004,6 ± 0,3 | 2009,7 ± 0,3 | 3002,3 ± 0,3 |
| 502,1 ± 0,3                                      | 1004,6 ± 0,3 | 2009,7 ± 0,3 | 3002,3 ± 0,3 |
| 502,1 ± 0,3                                      | 1004,6 ± 0,3 | 2009,7 ± 0,3 | 2999,1 ± 0,3 |
| 508,3 ± 0,3                                      | 1017,0 ± 0,3 | 2016,0 ± 0,3 | 3014,8 ± 0,3 |
| -                                                | -            | 2035,3 ± 0,3 | - ± 0,3      |
| -                                                | -            | 2009,7 ± 0,3 | - ± 0,3      |

## CONTINUOUS MOUNTING

MATERIAL C 40 NORMALIZE

RACKS FOR GATES WITH BUTTONHOLE, FOR  
CONTINUOUS MOUNTING AND ZINC-PLATED,  
INCLUDING SCREWS, WASHERS AND BUSHES.

| M | A x B   | L            |
|---|---------|--------------|
|   |         | cod. 1000 mm |
| 4 | 30 x 12 | 30900100     |
|   |         | cod. 2000 mm |
|   |         | 30900200     |





# Bevel gears

The CHIARAVALLI GROUP SpA is able to provide a wide range of gears for different applications. After many years of experience, a standard tolerance class has been selected for bevel gears production according to DIN 3967 appropriate for virtual bevel gearing and DIN 3964 to calculate the corresponding axial displacements for the assembly dimensions.

Therefore, we are in the position to provide the End-User precise information regarding tolerances to be adopted for shimming manufacturing, following the values reported in the dimensional tables.

All the bevel gears manufactured by CHIARAVALLI GROUP SpA are produced following the profile envelope process on modern CNC hobbing machines, which are able to ensure a high-quality level due to the systematic control of machining tolerances.

The CHIARAVALLI GROUP SpA, thanks to its know-how acquired over the years and its modern machines, has the capability to produce gears and bevel gears according to customer drawings and specifications.

## CHIARAVALLI GROUP SPA SPECIAL PRODUCTION

The range of CHIARAVALLI GROUP SpA special bevel gears represent a structured selection based on the module and the transmission ratio to satisfy the generic needs of industrial machinery and engineering in the motion transmission between concurrent axes.

As such, it does not claim to guarantee particularly demanding performance or to cover extensive ranges for every need.

The external configuration of bevel gear is according to DIN 3971 criteria, while tooth geometry, rectified by profile adjustment and conicity variation, is an exclusive solution provided by CHIARAVALLI GROUP SpA.

This solution offers significant benefits such as:  
Improved sprocket and ring gear coupling;

- Smoother motion transmission;
- Increased tooth resistance;
- Eliminated sprocket undercut effect, even in case of high transmission ratios and low sprocket teeth number.



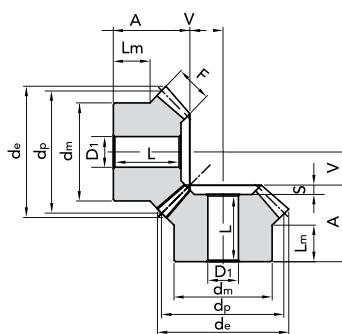
# Index

- 162 BEVEL GEAR **WITH STRAIGHT TEETH** DIN 6588 STANDARD
- 166 BEVEL GEAR **WITH STRAIGHT TEETH SPECIAL CH EXECUTION**  
**GLEASON SYSTEM**
- 173 **SPIRAL** BEVEL GEAR **GLEASON SYSTEM**



**Pressure angle: 20°**

**MATERIAL**  
MATERIAL C45 EN 10083

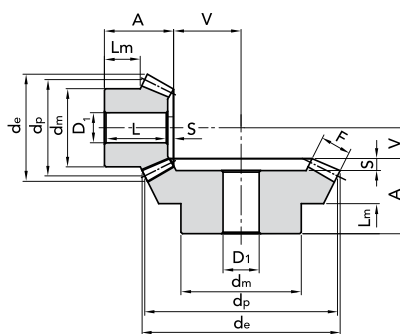


| M   | Z  | CODICE   | d <sub>p</sub> | d <sub>e</sub> | F    | A    | d <sub>m</sub> | D <sub>1</sub> | L    | V     | S   | L <sub>m</sub> | Kg   |
|-----|----|----------|----------------|----------------|------|------|----------------|----------------|------|-------|-----|----------------|------|
| 1,5 | 16 | 35151116 | 24,0           | 26,12          | 6    | 18,9 | 20,3           | 8              | -    | 7,10  | -   | 12             | 0,03 |
|     | 20 | 32151120 | 30,0           | 32,12          | 10   | 20   | 22             | 10             | 18   | 7,40  | 2   | 8,5            | 0,05 |
|     | 25 | 32151125 | 37,5           | 39,62          | 10   | 23   | 28             | 10             | 21   | 11,09 | 2   | 12             | 0,10 |
|     | 30 | 32151130 | 45,0           | 47,12          | 12   | 25   | 30             | 12             | 22,5 | 13,35 | 2,5 | 12             | 0,15 |
| 2   | 16 | 35201116 | 32,0           | 34,83          | 8    | 23,5 | 25,3           | 8              | -    | 9,50  | -   | 14             | 0,06 |
|     | 20 | 32201120 | 40,0           | 42,83          | 12   | 25   | 32             | 10             | 22   | 10,78 | 3   | 11,7           | 0,14 |
|     | 25 | 32201125 | 50,0           | 52,82          | 14   | 28   | 40             | 12             | 25   | 14,28 | 3   | 12,3           | 0,25 |
|     | 30 | 32201130 | 60,0           | 62,83          | 16   | 30   | 50             | 12             | 27   | 17,78 | 3   | 12,8           | 0,41 |
| 2,5 | 16 | 35251116 | 40,0           | 43,53          | 10   | 28,1 | 30,3           | 12             | -    | 11,90 | -   | 15             | 0,13 |
|     | 20 | 32251120 | 50,0           | 53,53          | 12   | 30,5 | 40             | 12             | 27   | 15,43 | 3,5 | 16             | 0,27 |
|     | 25 | 32251125 | 62,5           | 66             | 15   | 33,5 | 50             | 15             | 30   | 19,48 | 3,5 | 16             | 0,47 |
|     | 30 | 32251130 | 75,0           | 78,53          | 18   | 35,5 | 55             | 15             | 32   | 23,63 | 3,5 | 16             | 0,69 |
| 3   | 16 | 35301116 | 48,0           | 52,25          | 12   | 31,7 | 40,3           | 12             | -    | 14,30 | -   | 18             | 0,24 |
|     | 20 | 32301120 | 60,0           | 64,24          | 18   | 35   | 45             | 15             | 31   | 16,00 | 4   | 13,6           | 0,41 |
|     | 25 | 32301125 | 75,0           | 79,24          | 20   | 38   | 55             | 15             | 34   | 22,00 | 4   | 16             | 0,72 |
|     | 30 | 32301130 | 90,0           | 94,24          | 22   | 40   | 60             | 20             | 36   | 28,00 | 4   | 17             | 0,99 |
| 3,5 | 16 | 35351116 | 56,0           | 60,95          | 14   | 36,4 | 45,3           | 16             | -    | 16,60 | -   | 20             | 0,38 |
|     | 20 | 32351120 | 70,0           | 74,95          | 22   | 40,5 | 55             | 15             | 36   | 18,13 | 4,5 | 16,1           | 0,68 |
|     | 25 | 32351125 | 87,5           | 92,45          | 26   | 43,5 | 65             | 20             | 39   | 23,97 | 4,5 | 18             | 1,10 |
|     | 30 | 32351130 | 105,0          | 109,95         | 30   | 48   | 70             | 20             | 43,5 | 30,02 | 4,5 | 19             | 1,61 |
| 4   | 16 | 35401116 | 64,0           | 69,65          | 15   | 44,3 | 50,3           | 16             | -    | 19,70 | -   | 25             | 0,52 |
|     | 20 | 32401120 | 80,0           | 85,65          | 25   | 43   | 60             | 18             | 38   | 20,74 | 5   | 18             | 0,90 |
|     | 25 | 32401125 | 100,0          | 105,65         | 28   | 45   | 70             | 20             | 40   | 28,50 | 5   | 18             | 1,45 |
|     | 30 | 32401130 | 120,0          | 125,65         | 32   | 48   | 80             | 20             | 43   | 35,67 | 5   | 16             | 2,66 |
| 4,5 | 16 | 35451116 | 72,0           | 78,38          | 17,5 | 46,3 | 55,3           | 20             | -    | 21,70 | -   | 25             | 0,73 |
|     | 20 | 32451120 | 90,0           | 96,38          | 28   | 48   | 65             | 20             | 42   | 23,41 | 6   | 18             | 1,25 |
|     | 25 | 32451125 | 112,5          | 118,8          | 32   | 50   | 75             | 20             | 44   | 31,76 | 6   | 18             | 2,04 |
|     | 30 | 32451130 | 135,0          | 141,38         | 35   | 53   | 90             | 20             | 47   | 40,82 | 6   | 17             | 3,24 |
| 5   | 16 | 35501116 | 80,0           | 87,07          | 18   | 48,9 | 60,3           | 20             | -    | 25,10 | -   | 25             | 0,94 |
|     | 20 | 32501120 | 100,0          | 107,07         | 30   | 50,5 | 70             | 20             | 44   | 26,86 | 6,5 | 18,5           | 1,61 |
|     | 25 | 32501125 | 125,0          | 132,07         | 34   | 53,5 | 90             | 20             | 47   | 36,36 | 6,5 | 18             | 2,94 |
|     | 30 | 32501130 | 150,0          | 157,07         | 38   | 56,5 | 110            | 20             | 50   | 45,97 | 6,5 | 18             | 4,40 |

# RATIO 1:2

Pressure angle: 20°

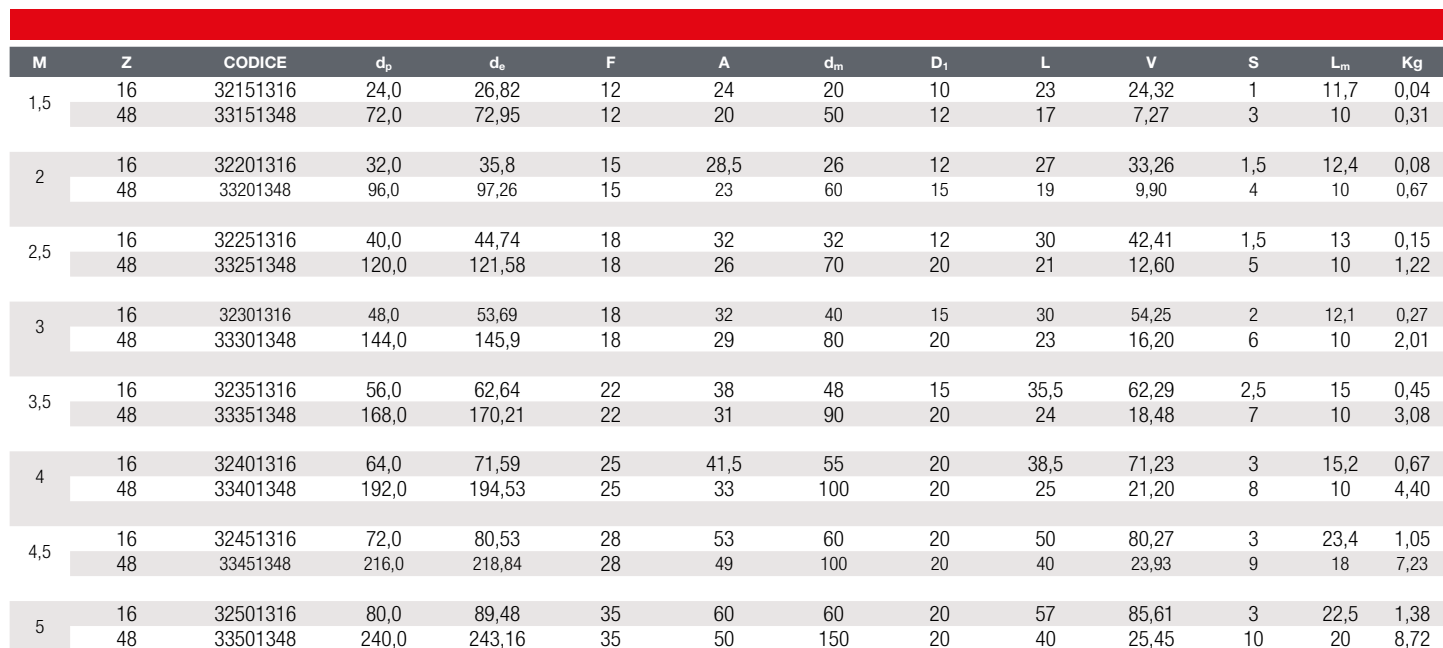
**MATERIAL**  
MATERIAL C45 EN 10083



| M   | Z  | CODICE   | dp    | de     | F  | A    | dm  | D1 | L  | V     | S   | Lm   | Kg   |
|-----|----|----------|-------|--------|----|------|-----|----|----|-------|-----|------|------|
| 1,5 | 16 | 32151216 | 24,0  | 26,68  | 8  | 19,5 | 21  | 10 | 18 | 16,33 | 1,5 | 11,3 | 0,04 |
|     | 32 | 33151232 | 48,0  | 49,34  | 8  | 20   | 32  | 12 | 17 | 7,45  | 3   | 10   | 0,14 |
| 2   | 16 | 32201216 | 32,0  | 35,57  | 10 | 23   | 26  | 10 | 21 | 22,41 | 2   | 11,9 | 0,09 |
|     | 32 | 33201232 | 64,0  | 65,78  | 10 | 25   | 40  | 12 | 21 | 10,21 | 4   | 10   | 0,14 |
| 2,5 | 16 | 32251216 | 40,0  | 44,47  | 12 | 27,5 | 34  | 12 | 25 | 28,38 | 2,5 | 14,4 | 0,16 |
|     | 32 | 33251232 | 80,0  | 82,23  | 12 | 25   | 50  | 15 | 20 | 12,97 | 5   | 10   | 0,59 |
| 3   | 16 | 32301216 | 48,0  | 53,36  | 15 | 28   | 40  | 15 | 25 | 33,64 | 3   | 11,6 | 0,23 |
|     | 32 | 33301232 | 96,0  | 98,68  | 15 | 30   | 60  | 15 | 24 | 15,31 | 6   | 10   | 1,05 |
| 3,5 | 16 | 32351216 | 56,0  | 62,26  | 18 | 33,5 | 48  | 15 | 30 | 38,83 | 3,5 | 14,4 | 0,40 |
|     | 32 | 33351232 | 112,0 | 115,12 | 18 | 31   | 70  | 20 | 24 | 17,77 | 7   | 10   | 1,57 |
| 4   | 16 | 32401216 | 64,0  | 71,15  | 20 | 36   | 50  | 15 | 32 | 44,81 | 4   | 13,4 | 0,49 |
|     | 32 | 33401232 | 128,0 | 131,57 | 20 | 32   | 80  | 20 | 24 | 20,42 | 8   | 10   | 2,29 |
| 4,5 | 16 | 32451216 | 72,0  | 80,05  | 22 | 39,5 | 60  | 20 | 35 | 51,00 | 4,5 | 15,4 | 0,75 |
|     | 32 | 33451232 | 144,0 | 148    | 22 | 36   | 90  | 20 | 27 | 23,21 | 9   | 10   | 2,99 |
| 5   | 16 | 32501216 | 80,0  | 88,94  | 25 | 50   | 60  | 20 | 45 | 56,06 | 5   | 21,1 | 1,07 |
|     | 32 | 33501232 | 160,0 | 164,46 | 25 | 38   | 100 | 20 | 28 | 25,52 | 10  | 10   | 3,95 |



**MATERIAL**  
MATERIAL C45 EN 10083

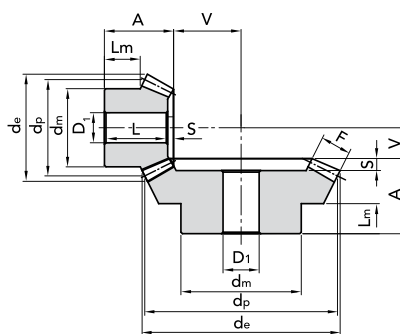




# RATIO 1:4

Pressure angle: 20°

**MATERIAL**  
MATERIAL C45 EN 10083



| M   | Z  | CODICE   | dp    | de     | F  | A    | dm  | D1 | L    | V      | S   | Lm   | Kg    |
|-----|----|----------|-------|--------|----|------|-----|----|------|--------|-----|------|-------|
| 1,5 | 16 | 32151416 | 24,0  | 26,91  | 12 | 25   | 18  | 10 | 24   | 36,09  | 1   | 12,2 | 0,04  |
|     | 64 | 33151464 | 96,0  | 96,73  | 12 | 22   | 70  | 15 | 19   | 8      | 3   | 10   | 0,75  |
| 2   | 16 | 32201416 | 32,0  | 35,88  | 15 | 24   | 25  | 12 | 23   | 49     | 1   | 8,2  | 0,08  |
|     | 64 | 33201464 | 128,0 | 128,97 | 15 | 24   | 80  | 20 | 20   | 10,88  | 4   | 10   | 1,35  |
| 2,5 | 16 | 32251416 | 40,0  | 44,85  | 18 | 30,5 | 30  | 12 | 29   | 62,07  | 1,5 | 11,7 | 0,18  |
|     | 64 | 33251464 | 160,0 | 161,21 | 18 | 29   | 90  | 20 | 24   | 13,74  | 5   | 10   | 2,70  |
| 3   | 16 | 32301416 | 48,0  | 53,82  | 22 | 34   | 40  | 15 | 32   | 74,10  | 2   | 11   | 0,29  |
|     | 64 | 33301464 | 192,0 | 193,45 | 22 | 30   | 100 | 20 | 24   | 16,41  | 6   | 10   | 4,12  |
| 3,5 | 16 | 32351416 | 56,0  | 62,8   | 25 | 45   | 48  | 15 | 43   | 87,10  | 2   | 19,1 | 0,48  |
|     | 64 | 33351464 | 224,0 | 225,7  | 25 | 50   | 100 | 20 | 43   | 19,28  | 7   | 22   | 7,53  |
| 4   | 16 | 32401416 | 64,0  | 71,76  | 30 | 50   | 50  | 20 | 48   | 98,17  | 2   | 18,5 | 0,75  |
|     | 64 | 33401464 | 256,0 | 257,94 | 30 | 50   | 120 | 20 | 42   | 21,76  | 8   | 20   | 10,66 |
| 4,5 | 16 | 32451416 | 72,0  | 80,73  | 32 | 53   | 55  | 20 | 50,5 | 112,08 | 2,5 | 19   | 1,12  |
|     | 64 | 33451464 | 288,0 | 290,18 | 32 | 53   | 130 | 20 | 44   | 24,83  | 9   | 23   | 13,8  |
| 5   | 16 | 32501416 | 80,0  | 89,7   | 35 | 58   | 60  | 20 | 55,5 | 125,12 | 2,5 | 20,6 | 1,54  |
|     | 64 | 33501464 | 320,0 | 322,42 | 35 | 58   | 150 | 20 | 48   | 27,73  | 10  | 25   | 15,6  |

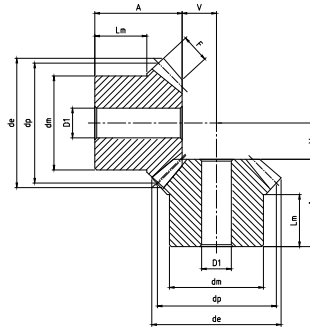


## RATIO 1:1

Normal axis

Pressure angle: 20°

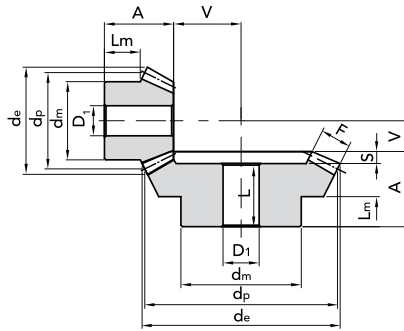
GLEASON SYSTEM

MATERIAL  
MATERIAL C45 EN 10083

| M   | Z  | CODICE   | d <sub>1</sub> | d <sub>2</sub> | F    | A     | d <sub>m</sub> | D <sub>1</sub> | V     | L <sub>m</sub> | Kg   |
|-----|----|----------|----------------|----------------|------|-------|----------------|----------------|-------|----------------|------|
| 1   | 16 | 35101116 | 16             | 17,4           | 4    | 11,2  | 13,3           | 4              | 4,8   | 6,5            | 0,02 |
|     | 19 | 35101119 | 19             | 20,4           | 4    | 11,8  | 15,3           | 4              | 6,2   | 6,5            | 0,02 |
|     | 22 | 35101122 | 22             | 23,4           | 4,7  | 12,8  | 16,3           | 5              | 7,2   | 6,5            | 0,02 |
|     | 26 | 35101126 | 26             | 27,4           | 5,5  | 13,3  | 20,3           | 5              | 8,7   | 7              | 0,04 |
|     | 30 | 35101130 | 30             | 31,4           | 6,4  | 16    | 20,3           | 5              | 10    | 8              | 0,05 |
| 1,5 | 16 | 35151116 | 24             | 26,1           | 6    | 18,9  | 20,3           | 8              | 7,1   | 12             | 0,04 |
|     | 19 | 35151119 | 28,5           | 30,6           | 7    | 21,3  | 20,3           | 8              | 8,7   | 12             | 0,05 |
|     | 22 | 35151122 | 33             | 35,1           | 7,5  | 22,5  | 25,3           | 8              | 10,5  | 12             | 0,09 |
|     | 26 | 35151126 | 39             | 41,1           | 8,5  | 23,2  | 28,3           | 8              | 12,8  | 12             | 0,12 |
|     | 30 | 35151130 | 45             | 47,1           | 10   | 27,2  | 30,3           | 12             | 14,8  | 12             | 0,17 |
| 2   | 16 | 35201116 | 32             | 34,8           | 8    | 23,5  | 25,3           | 8              | 9,5   | 14             | 0,08 |
|     | 19 | 35201119 | 38             | 40,8           | 9    | 24,2  | 25,3           | 8              | 11,8  | 12             | 0,11 |
|     | 22 | 35201122 | 44             | 46,8           | 10   | 27,9  | 30,3           | 12             | 14,1  | 14             | 0,18 |
|     | 26 | 35201126 | 52             | 54,8           | 12   | 31,4  | 35,3           | 12             | 16,6  | 14             | 0,28 |
|     | 30 | 35201130 | 60             | 62,8           | 13   | 34,1  | 40,3           | 14             | 19,9  | 17             | 0,41 |
| 2,5 | 16 | 35251116 | 40             | 43,5           | 10   | 28,1  | 30,3           | 12             | 11,9  | 15             | 0,14 |
|     | 19 | 35251119 | 47,5           | 51             | 11   | 27,1  | 35,3           | 12             | 14,9  | 13             | 0,21 |
|     | 22 | 35251122 | 55             | 58,5           | 12   | 30,1  | 45,3           | 16             | 17,9  | 16             | 0,36 |
|     | 26 | 35251126 | 65             | 68,5           | 15   | 33,2  | 45,3           | 16             | 20,8  | 16             | 0,47 |
|     | 30 | 35251130 | 75             | 78,5           | 16   | 39    | 50,3           | 16             | 25    | 20             | 0,74 |
| 3   | 16 | 35301116 | 48             | 52,5           | 12   | 31,7  | 40,3           | 12             | 14,3  | 18             | 0,28 |
|     | 19 | 35301119 | 57             | 61,2           | 13   | 36    | 40,3           | 14             | 18    | 17             | 0,39 |
|     | 22 | 35301122 | 66             | 70,2           | 15   | 36,9  | 50,3           | 16             | 21,1  | 17             | 0,59 |
|     | 26 | 35301126 | 78             | 82,2           | 17   | 38,4  | 50,3           | 16             | 25,6  | 18             | 0,77 |
|     | 30 | 35301130 | 90             | 94,2           | 19   | 43,8  | 60,3           | 20             | 30,2  | 22             | 1,19 |
| 3,5 | 16 | 35351116 | 56             | 60,9           | 14   | 36,4  | 45,3           | 16             | 16,6  | 20             | 0,41 |
|     | 19 | 35351119 | 66,5           | 71,5           | 15   | 37,8  | 50,3           | 18             | 21    | 19             | 0,59 |
|     | 22 | 35351122 | 77             | 81,9           | 17   | 39,1  | 55,3           | 20             | 24,9  | 18             | 0,84 |
|     | 26 | 35351126 | 91             | 96             | 20   | 43,35 | 62,3           | 20             | 29,7  | 20             | 1,17 |
|     | 30 | 35351130 | 105            | 110            | 23   | 47,1  | 70,3           | 20             | 34,9  | 22             | 1,69 |
| 4   | 16 | 35401116 | 64             | 69,7           | 15   | 44,3  | 50,3           | 16             | 19,7  | 25             | 0,66 |
|     | 19 | 35401119 | 76             | 81,7           | 18   | 44,4  | 55,3           | 20             | 23,6  | 22             | 0,88 |
|     | 22 | 35401122 | 88             | 93,7           | 20   | 45,9  | 60,3           | 20             | 28,1  | 22             | 1,21 |
|     | 26 | 35401126 | 104            | 109,7          | 23   | 48    | 70,3           | 20             | 34    | 22             | 1,68 |
|     | 30 | 35401130 | 120            | 125,7          | 26   | 54,2  | 80,3           | 20             | 39,8  | 25             | 2,50 |
| 4,5 | 16 | 35451116 | 72             | 78,4           | 17,5 | 46,3  | 55,3           | 20             | 21,7  | 25             | 0,84 |
|     | 19 | 35451119 | 85,5           | 91,8           | 20   | 49    | 62,3           | 20             | 26,57 | 25             | 1,15 |
|     | 22 | 35451122 | 99             | 105,3          | 22   | 50,1  | 70,3           | 20             | 31,9  | 25             | 1,72 |
|     | 26 | 35451126 | 117            | 123            | 25   | 54,7  | 75,3           | 20             | 38,6  | 26             | 2,22 |
|     | 30 | 35451130 | 135            | 141,4          | 29   | 60    | 80,3           | 20             | 45    | 28             | 3,25 |
| 5   | 16 | 35501116 | 80             | 87,1           | 18   | 48,9  | 60,3           | 20             | 25,1  | 25             | 1,10 |
|     | 19 | 35501119 | 95             | 102,1          | 22   | 52,2  | 60,3           | 20             | 29,8  | 25             | 1,50 |
|     | 22 | 35501122 | 110            | 117,1          | 24   | 58,2  | 80,3           | 20             | 35,8  | 30             | 2,39 |
|     | 26 | 35501126 | 130            | 137,1          | 29   | 62,7  | 80,3           | 20             | 42,3  | 30             | 3,27 |
|     | 30 | 35501130 | 150            | 157,1          | 32   | 68,9  | 80,3           | 20             | 50,1  | 35             | 4,13 |



**MATERIAL**  
**MATERIAL C45 EN 10083**



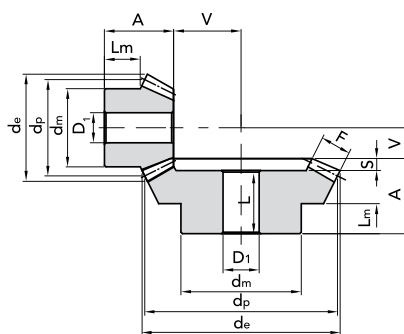
| Tabela 1. Parametry konstrukcyjne i mechaniczne |    |          |                |                |      |      |                |                |      |      |     |                |      |
|-------------------------------------------------|----|----------|----------------|----------------|------|------|----------------|----------------|------|------|-----|----------------|------|
| M                                               | Z  | CODICE   | d <sub>p</sub> | d <sub>e</sub> | F    | A    | d <sub>m</sub> | D <sub>1</sub> | L    | V    | S   | L <sub>m</sub> | Kg   |
| 1                                               | 16 | 35101516 | 16             | 18,1           | 4,3  | 12   | 13,3           | 4              |      | 8    |     | 7              | 0,04 |
|                                                 | 24 | 36101524 | 24             | 24,8           | 4,3  | 14,8 | 20,3           | 5              | 13,3 | 5,2  | 1,5 | 9,3            | 0,05 |
| 1,5                                             | 16 | 35151516 | 24             | 27,1           | 8    | 20,3 | 20,3           | 8              |      | 10,7 |     | 11,8           | 0,04 |
|                                                 | 24 | 36151524 | 36             | 37,2           | 8    | 24,9 | 28,3           | 8              | 22,7 | 7,1  | 2,2 | 16             | 0,04 |
| 2                                               | 16 | 35201516 | 32             | 36,2           | 10   | 25,2 | 25,3           | 8              |      | 14,8 |     | 13,8           | 0,08 |
|                                                 | 24 | 36201524 | 48             | 49,7           | 10   | 27,2 | 32,3           | 8              | 24,7 | 9,8  | 2,5 | 16             | 0,32 |
| 2,5                                             | 16 | 35251516 | 40             | 45,2           | 13   | 30,8 | 32,3           | 12             |      | 18,2 |     | 16,4           | 0,14 |
|                                                 | 24 | 36251524 | 60             | 62,1           | 13   | 34   | 45,3           | 14             | 30,8 | 12   | 3,2 | 20             | 0,50 |
| 3                                               | 16 | 35301516 | 48             | 54,3           | 14,5 | 32,4 | 40,3           | 12             |      | 22,6 |     | 16,4           | 0,28 |
|                                                 | 24 | 36301524 | 72             | 74,5           | 14,5 | 36,2 | 55,3           | 16             | 32   | 14,8 | 4,2 | 20             | 0,96 |
| 3,5                                             | 16 | 35351516 | 56             | 63,3           | 18   | 40,4 | 45,3           | 16             |      | 25,6 |     | 20,4           | 0,41 |
|                                                 | 24 | 36351524 | 84             | 86,9           | 18   | 44,2 | 55,3           | 20             | 40   | 16,8 | 4,2 | 25             | 1,30 |
| 4                                               | 16 | 35401516 | 64             | 72,4           | 18   | 46,8 | 50,3           | 16             |      | 31,2 |     | 25,4           | 0,66 |
|                                                 | 24 | 36401524 | 96             | 99,3           | 18   | 45,5 | 60,3           | 20             | 40   | 20,5 | 5,5 | 25             | 2,50 |
| 4,5                                             | 16 | 35451516 | 72             | 81,4           | 20   | 47,6 | 60,3           | 20             |      | 35,4 |     | 25,1           | 0,84 |
|                                                 | 24 | 36451524 | 108            | 111,7          | 20   | 57,8 | 80,3           | 20             | 51,3 | 23,2 | 6,5 | 35             | 2,90 |
| 5                                               | 16 | 35501516 | 80             | 90,5           | 24   | 54,1 | 60,3           | 20             |      | 37,9 |     | 25,4           | 1,10 |
|                                                 | 24 | 36501524 | 120            | 124,1          | 24   | 61,1 | 80,3           | 20             | 54,5 | 24,9 | 6,6 | 35             | 3,50 |

**RATIO 1:2**

Normal axis

Pressure angle: 20°

GLEASON SYSTEM

MATERIAL  
MATERIAL C45 EN 10083

| M   | Z  | CODICE   | dp   | de    | F    | A    | dm   | D1 | L    | V    | S   | Lm   | Kg   |
|-----|----|----------|------|-------|------|------|------|----|------|------|-----|------|------|
| 1   | 15 | 35101215 | 15   | 17,4  | 5    | 11,9 | 13,3 | 4  |      | 10,1 |     | 6,5  | 0,03 |
|     | 30 | 36101230 | 30   | 30,6  | 5    | 15,1 | 20,3 | 5  | 13,7 | 4,9  | 1,4 | 9    | 0,06 |
| 1,5 | 15 | 35151215 | 22,5 | 26,1  | 9    | 21,1 | 19,3 | 8  |      | 13,9 |     | 11,9 | 0,04 |
|     | 30 | 36151230 | 45   | 45,9  | 9    | 25,2 | 32,3 | 8  | 23   | 6,8  | 2,2 | 16   | 0,19 |
| 2   | 15 | 35201215 | 30   | 34,8  | 11,5 | 26   | 25,3 | 8  |      | 19   |     | 14,1 | 0,09 |
|     | 30 | 36201230 | 60   | 61,2  | 11,5 | 29,8 | 40,3 | 14 | 26,8 | 9,2  | 3   | 18   | 0,32 |
| 2,5 | 15 | 35251215 | 37,5 | 43,5  | 15   | 31,8 | 32,3 | 12 |      | 23,2 |     | 16,2 | 0,17 |
|     | 30 | 36251230 | 75   | 76,5  | 15   | 33,7 | 45,3 | 16 | 30   | 11,3 | 3,7 | 20   | 0,57 |
| 3   | 15 | 35301215 | 45   | 52,2  | 17   | 37,3 | 40,3 | 12 |      | 28,7 |     | 19,9 | 0,25 |
|     | 30 | 36301230 | 90   | 91,8  | 17   | 42,1 | 55,3 | 16 | 38   | 13,9 | 4,1 | 25   | 1,03 |
| 3,5 | 15 | 35351215 | 52,5 | 60,9  | 20,5 | 46,1 | 45,3 | 16 |      | 32,9 |     | 24,7 | 0,42 |
|     | 30 | 36351230 | 105  | 107,1 | 20,5 | 45   | 60,3 | 20 | 40   | 16   | 5   | 25   | 1,51 |
| 4   | 15 | 35401215 | 60   | 69,6  | 22,5 | 48,6 | 50,3 | 20 |      | 38,4 |     | 24,6 | 0,52 |
|     | 30 | 36401230 | 120  | 122,3 | 22,5 | 57,3 | 80,3 | 20 | 51,9 | 18,7 | 5,4 | 35   | 2,21 |
| 4,5 | 15 | 35451215 | 67,5 | 78,3  | 26   | 51,4 | 60,3 | 20 |      | 42,6 |     | 24,7 | 0,8  |
|     | 30 | 36451230 | 135  | 137,6 | 26   | 60,3 | 80,3 | 20 | 54,3 | 20,7 | 6   | 35   | 2,88 |
| 5   | 15 | 35501215 | 75   | 87    | 30   | 57,6 | 60,3 | 20 |      | 46,4 |     | 25,3 | 1,16 |
|     | 30 | 36501230 | 150  | 152,9 | 30   | 62,5 | 80,3 | 20 | 56   | 22,5 | 6,5 | 35   | 2,79 |







# RATIO 1:2.5

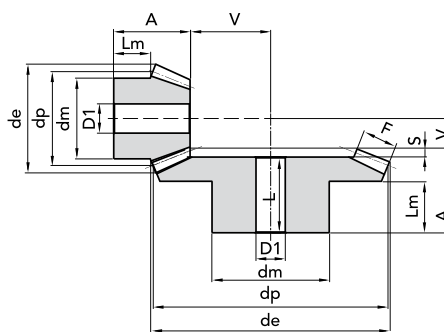
Normal axis

Pressure angle: 20°

GLEASON SYSTEM

MATERIAL

MATERIAL C45 EN 10083



| M   | Z  | CODICE   | d <sub>p</sub> | d <sub>e</sub> | F    | A    | d <sub>m</sub> | D <sub>1</sub> | L    | V    | S   | L <sub>m</sub> | Kg   |
|-----|----|----------|----------------|----------------|------|------|----------------|----------------|------|------|-----|----------------|------|
| 1   | 16 | 35102516 | 16             | 18,6           | 6,5  | 14,4 | 13,3           | 4              |      | 13,6 |     | 7,4            | 0,04 |
|     | 40 | 36102540 | 40             | 40,4           | 6,5  | 14,8 | 25,3           | 8              | 13   | 5,2  | 1,8 | 9              | 0,09 |
| 1,5 | 16 | 35152516 | 24             | 27,9           | 11,5 | 24,2 | 20,3           | 8              |      | 18,8 |     | 12,3           | 0,04 |
|     | 40 | 36152540 | 60             | 60,7           | 11,5 | 27,8 | 40,3           | 14             | 25,5 | 7,2  | 2,3 | 18             | 0,17 |
| 2   | 16 | 35202516 | 32             | 37,2           | 15   | 29,6 | 25,3           | 8              |      | 25,4 |     | 13,7           | 0,04 |
|     | 40 | 36202540 | 80             | 80,9           | 15   | 32,4 | 45,3           | 16             | 29   | 9,6  | 3,4 | 20             | 0,15 |
| 2,5 | 16 | 35252516 | 40             | 46,4           | 19   | 38,4 | 32,3           | 12             |      | 31,6 |     | 18,5           | 0,17 |
|     | 40 | 36252540 | 100            | 101,1          | 19   | 39,8 | 55,3           | 16             | 35,9 | 12,2 | 3,9 | 25             | 1,23 |
| 3   | 16 | 35302516 | 48             | 55,7           | 21,5 | 41,9 | 40,3           | 16             |      | 39,1 |     | 19,6           | 0,33 |
|     | 40 | 36302540 | 120            | 121,4          | 21,5 | 47,9 | 60,3           | 20             | 44   | 15,1 | 3,9 | 30             | 1,83 |
| 3,5 | 16 | 35352516 | 56             | 65             | 22,6 | 49,1 | 45,3           | 20             |      | 47,9 |     | 25             | 0,33 |
|     | 40 | 36352540 | 140            | 141,6          | 22,6 | 54,6 | 80,3           | 20             | 50   | 18,4 | 4,6 | 35             | 1,90 |
| 4   | 16 | 35402516 | 64             | 74,3           | 26   | 52,5 | 55,3           | 20             |      | 54,5 |     | 25,3           | 0,65 |
|     | 40 | 36402540 | 170            | 161,8          | 26   | 57,0 | 80,3           | 20             | 50,5 | 21   | 6,5 | 35             | 2,53 |
| 4,5 | 16 | 35452516 | 72             | 83,6           | 30   | 56,3 | 60,3           | 20             |      | 60,7 |     | 24,6           | 0,97 |
|     | 40 | 36452540 | 180            | 182,1          | 30   | 59,7 | 80,3           | 20             | 53   | 23,3 | 6,7 | 35             | 5,30 |
| 5   | 16 | 35502516 | 80             | 92,9           | 32   | 65,4 | 60,3           | 20             |      | 68,6 |     | 30,1           | 1,23 |
|     | 40 | 36502540 | 200            | 202,3          | 32   | 65,7 | 90,3           | 20             | 58,3 | 26,3 | 7,4 | 40             | 7,20 |

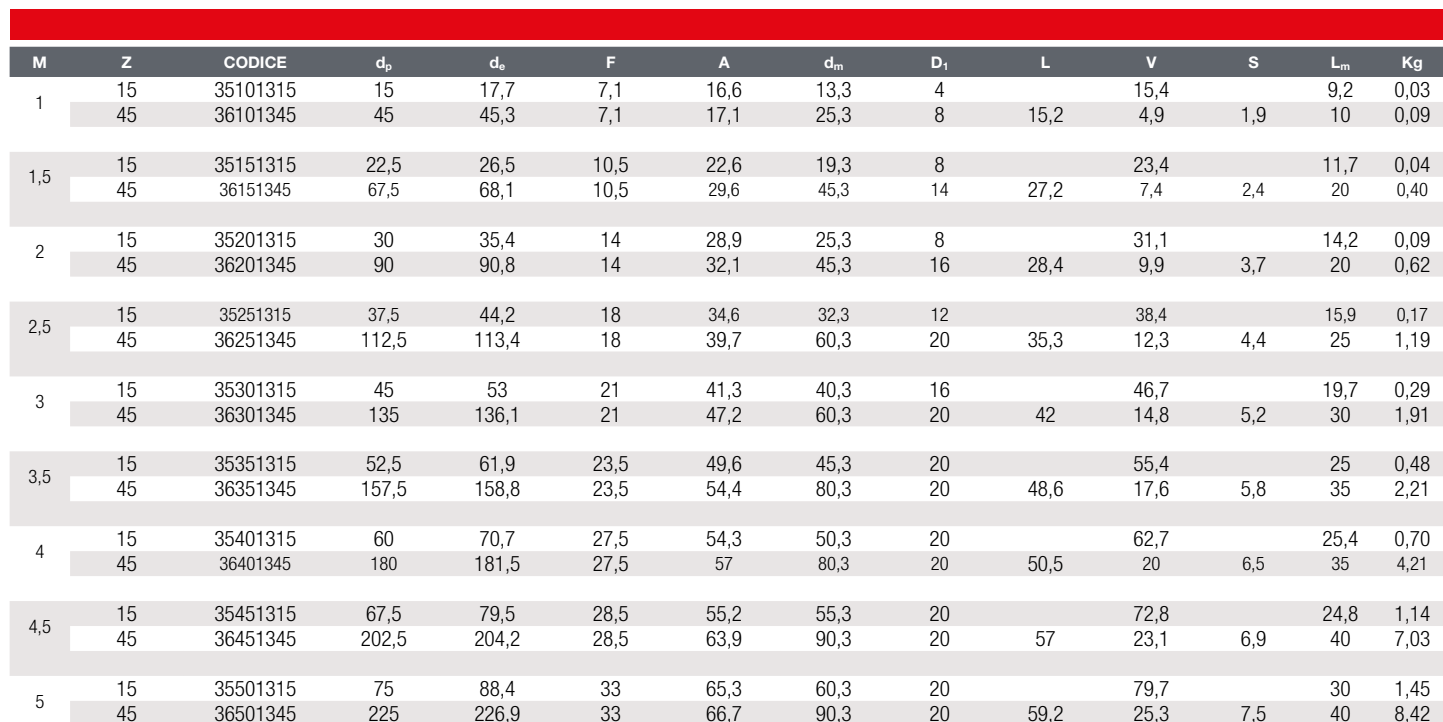


Normal axis

**Pressure angle: 20°**

## GLEASON SYSTEM

**MATERIAL**  
**MATERIAL C45 EN 10083**





# RATIO 1:3.5

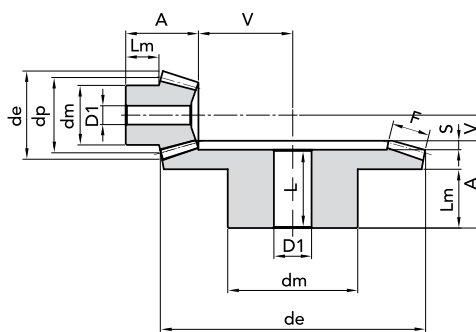
Normal axis

Pressure angle: 20°

GLEASON SYSTEM

MATERIAL

MATERIAL C45 EN 10083



| M   | Z  | CODICE   | d <sub>p</sub> | d <sub>e</sub> | F  | A    | d <sub>m</sub> | D <sub>1</sub> | L    | V    | S   | L <sub>m</sub> | Kg   |
|-----|----|----------|----------------|----------------|----|------|----------------|----------------|------|------|-----|----------------|------|
| 1,5 | 16 | 35153516 | 24             | 28,1           | 12 | 24,0 | 20,3           | 8              |      | 30   |     | 11,5           | 0,05 |
|     | 56 | 36153556 | 84             | 84,5           | 12 | 34,8 | 45,3           | 14             | 32   | 8,2  | 2,8 | 25             | 0,63 |
| 2   | 16 | 35203516 | 32             | 37,5           | 16 | 30,9 | 25,3           | 8              |      | 40,1 |     | 14,1           | 0,09 |
|     | 56 | 36203556 | 112            | 112,6          | 16 | 37,1 | 55,3           | 16             | 33,3 | 10,9 | 3,8 | 25             | 1,30 |
| 2,5 | 16 | 35253516 | 40             | 46,8           | 20 | 38,9 | 32,3           | 14             |      | 50,1 |     | 17,9           | 0,20 |
|     | 56 | 36253556 | 140            | 140,8          | 20 | 44,4 | 60,3           | 20             | 40   | 13,6 | 4,4 | 30             | 2,59 |
| 2,5 | 16 | 35303516 | 48             | 56,2           | 24 | 49,9 | 40,3           | 16             |      | 60,1 |     | 24,9           | 0,31 |
|     | 56 | 36303556 | 168            | 169            | 24 | 52,7 | 80,3           | 20             | 47,5 | 16,3 | 5,2 | 35             | 3,94 |
| 3,5 | 16 | 35353516 | 56             | 65,6           | 25 | 52,0 | 45,5           | 20             |      | 73   |     | 25,5           | 0,62 |
|     | 56 | 36353556 | 196            | 197,1          | 25 | 55,1 | 80,3           | 20             | 49,1 | 19,9 | 6,0 | 35             | 5,60 |



## RATIO 1:4

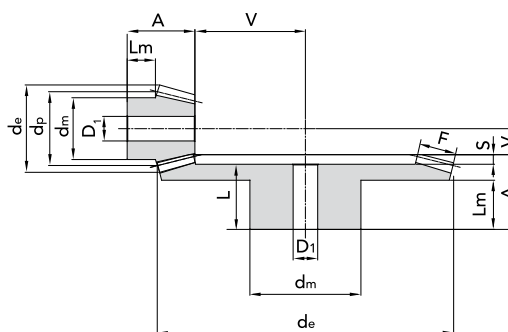
Normal axis

Pressure angle: 20°

GLEASON SYSTEM

MATERIAL

MATERIAL C45 EN 10083



| M   | Z  | CODICE   | dp   | de     | F   | A    | dm   | D1 | L    | V     | S   | Lm   | Kg    |
|-----|----|----------|------|--------|-----|------|------|----|------|-------|-----|------|-------|
| 1   | 15 | 35101415 | 15   | 17,8   | 9,3 | 17,2 | 13,3 | 4  |      | 20,8  |     | 7,7  | 0,03  |
|     | 60 | 36101460 | 60   | 60,3   | 9,3 | 17,1 | 30,3 | 8  | 15,2 | 4,9   | 1,9 | 10   | 0,15  |
| 1,5 | 15 | 35151415 | 22,5 | 26,7   | 11  | 23   | 20,3 | 8  |      | 34    |     | 11,7 | 0,05  |
|     | 60 | 36151460 | 90   | 90,4   | 11  | 34   | 50,3 | 16 | 31,2 | 8     | 2,8 | 25   | 0,60  |
| 2   | 15 | 35201415 | 30   | 35,6   | 16  | 31   | 25,3 | 8  |      | 44    |     | 14,4 | 0,09  |
|     | 60 | 36201460 | 120  | 120,6  | 16  | 37,6 | 60,3 | 16 | 34,2 | 10,4  | 3,4 | 25   | 1,30  |
| 2,5 | 15 | 35251415 | 37,5 | 44,5   | 19  | 38,1 | 32,3 | 14 |      | 55,9  |     | 18,4 | 0,20  |
|     | 60 | 36251460 | 150  | 150,7  | 19  | 44,8 | 60,3 | 20 | 40   | 13,2  | 4,8 | 30   | 2,59  |
| 3   | 15 | 35301415 | 45   | 53,3   | 23  | 48,1 | 40,3 | 16 |      | 66,9  |     | 24,5 | 0,31  |
|     | 60 | 36301460 | 180  | 180,8  | 23  | 53,2 | 80,3 | 20 | 48,2 | 15,8  | 5   | 35   | 3,94  |
| 3,5 | 15 | 35351415 | 52,5 | 62,2   | 26  | 52,1 | 45,3 | 20 |      | 78,9  |     | 25,1 | 0,60  |
|     | 60 | 36351460 | 210  | 211    | 26  | 60,4 | 90,3 | 20 | 54,4 | 18,6  | 6   | 40   | 5,62  |
| 4   | 15 | 35401415 | 60   | 71,1   | 30  | 55,1 | 50,3 | 20 |      | 89,9  |     | 23   | 0,81  |
|     | 60 | 36401460 | 240  | 241,1  | 30  | 60,8 | 90,3 | 20 | 53   | 21,2  | 7,8 | 40   | 6,43  |
| 4,5 | 15 | 35451415 | 67,5 | 79,97  | 32  | 57   | 52,3 | 20 |      | 102,9 |     | 23   | 1,15  |
|     | 60 | 36451460 | 270  | 271,24 | 32  | 62   | 90,3 | 20 | 53,5 | 24,3  | 8,5 | 40   | 11,35 |
| 5   | 15 | 35501415 | 75   | 88,8   | 34  | 62   | 55,3 | 20 |      | 115,7 |     | 25   | 1,80  |
|     | 60 | 36501460 | 300  | 301,3  | 34  | 65   | 90,3 | 20 | 55   | 27    | 10  | 40   | 14,45 |

# BEVEL GEARS FOR TRANSMISSIONS BETWEEN ORTHOGONAL AXES WITH SPIRAL TOOTHING

## INTRODUCTION

The "GLEASON" system range of bevel gears with spiral toothing represents an optimization of standardized bevel gear sets.

The criteria adopted for dimensioning and for the definition of geometric features are referring as much as possible to the International Standards, while a progression according to the series of normal numbers established by DIN 323 and ISO R3/R17 standards was adopted for the selection of key nominal data.

Spiral gearing conforming to the "GLEASON" system is the result of a specific design aimed to achieve optimized functional features versus the geometrical parameters that are frequently in contrast each other.

The key tooth sizing involves:

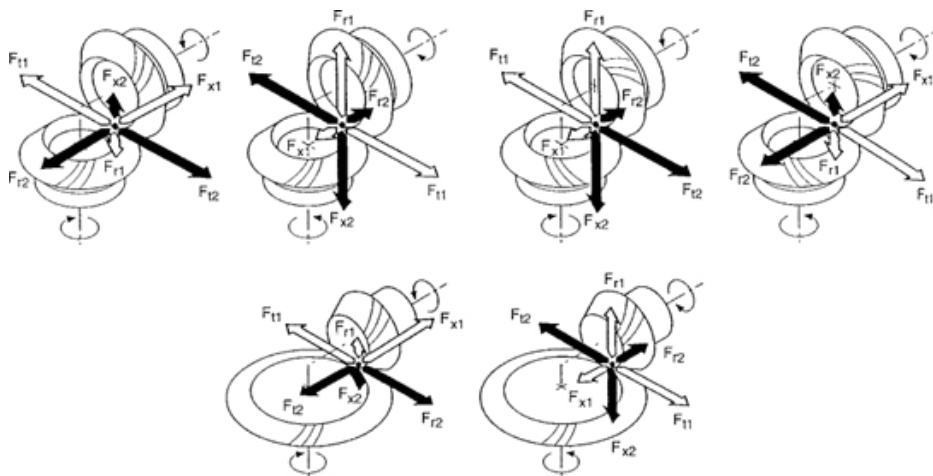
- The selection of a reduced tooth height.
- The correction with profile displacement.
- The adoption of a normal pressure angle: 20° degrees.
- The constant tooth bottom gap along the whole tooth surface and other geometric features.

The current series of spiral bevel gears are designed for general use in industry and general mechanical applications. The project has been designed to privilege the mechanical performance normally required by this sector and special attention has been taken in defining the geometrical elements that determine the overlay factor of the gearing and the constraint reactions on which the load on the bearings of the toothed pair depends.

Because of their nature, spiral-toothed bevel gears are intended for more demanding use than straight-bevel gears.

**As part of its traditional technical collaboration with end users, the CHIARAVALLI GROUP SpA Technical Office is available to provide suggestions regarding more specific cases and particular concerns.**

## DIRECTIONS AND ANGLES OF FORCES ACTING ON SPIRAL BEVEL GEARS



R. 1:1

R. 1:2



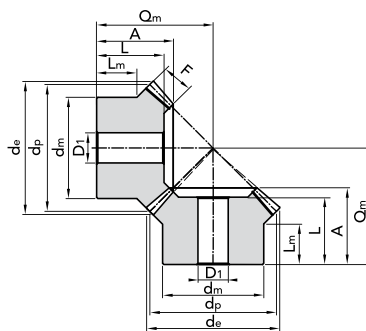
Pinion with left-handed spiral as the drive wheel



Sprocket with right-handed spiral as the driven wheel



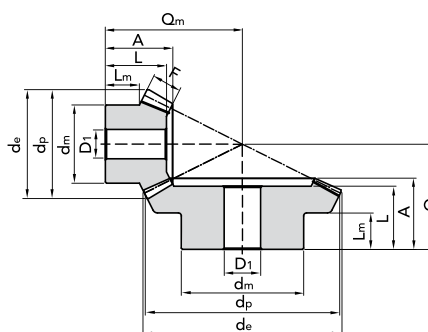
## RATIO 1:1

MATERIAL  
MATERIAL C45 EN 10083

| M   | Z  | CODE SX  | CODE DX  | d <sub>p</sub> | d <sub>m</sub> | D <sub>1</sub> | F  | d <sub>e</sub> | L <sub>m</sub> | L    | A    | Q <sub>m</sub> | Kg          |
|-----|----|----------|----------|----------------|----------------|----------------|----|----------------|----------------|------|------|----------------|-------------|
| 1,5 | 16 | 31151116 | 31151117 | 24             | 18             | 8              | 6  | 25,3           | 9              | 16   | 16,7 | 24             | 0,04        |
|     | 20 | 31151120 | 31151121 | 30             | 22             | 8              | 7  | 31,3           | 10             | 18   | 19,4 | 29             | -0,05 0,12  |
|     | 25 | 31151125 | 31151126 | 37,5           | 28             | 8              | 8  | 38,8           | 11,5           | 21   | 22,5 | 35             | -0,1 0,21   |
|     | 30 | 31151130 | 31151131 | 45             | 32             | 10             | 10 | 46,3           | 11             | 23   | 25,1 | 40             | 0,40        |
| 2   | 16 | 31201116 | 31201117 | 32             | 25             | 10             | 9  | 34             | 9,45           | 16,9 | 19,9 | 29             | 0,06        |
|     | 20 | 31201120 | 31201121 | 40             | 32             | 10             | 12 | 42             | 11,95          | 21,7 | 24,9 | 36             | -0,05 0,14  |
|     | 25 | 31201125 | 31201126 | 50             | 40             | 12             | 14 | 52             | 11,9           | 24,8 | 27,4 | 42             | -0,1 0,25   |
|     | 30 | 31201130 | 31201131 | 60             | 50             | 12             | 16 | 62             | 12,95          | 26,9 | 29,9 | 48             | 0,42        |
| 2,5 | 16 | 31251116 | 31251117 | 40             | 32             | 12             | 10 | 42,5           | 13             | 21,8 | 24,8 | 37             | 0,13        |
|     | 20 | 31251120 | 31251121 | 50             | 40             | 12             | 12 | 52,5           | 16             | 26,7 | 30,2 | 46             | -0,05 0,27  |
|     | 25 | 31251125 | 31251126 | 62,5           | 50             | 15             | 15 | 65             | 16             | 29,9 | 33,2 | 53             | -0,1 0,47   |
|     | 30 | 31251130 | 31251131 | 75             | 55             | 15             | 18 | 77,5           | 16             | 31,8 | 35   | 59             | 0,69        |
| 3   | 16 | 31301116 | 31301117 | 48             | 40             | 15             | 12 | 51             | 16             | 25,8 | 29,4 | 44             | 0,23        |
|     | 20 | 31301120 | 31301121 | 60             | 45             | 15             | 18 | 63             | 13,5           | 30,7 | 34,5 | 51             | -0,076 0,41 |
|     | 25 | 31301125 | 31301126 | 75             | 55             | 15             | 20 | 78             | 16             | 33,7 | 37,5 | 60             | -0,127 0,72 |
|     | 30 | 31301130 | 31301131 | 90             | 60             | 20             | 22 | 93             | 19             | 35,8 | 39,5 | 68             | 0,99        |
| 4   | 16 | 31401116 | 31401117 | 64             | 50             | 15             | 15 | 68             | 17,75          | 30,8 | 36   | 56             | 0,51        |
|     | 20 | 31401120 | 31401121 | 80             | 60             | 18             | 17 | 84             | 18             | 32,5 | 37,5 | 64             | -0,102 0,81 |
|     | 25 | 31401125 | 31401126 | 100            | 70             | 20             | 21 | 104            | 18             | 35,2 | 40,4 | 74             | -0,152 1,33 |
|     | 30 | 31401130 | 31401131 | 120            | 80             | 25             | 25 | 124            | 16             | 38,1 | 43,2 | 84             | 2,10        |
| 5   | 16 | 31501116 | 31501117 | 80             | 60             | 20             | 17 | 85             | 18,9           | 35,5 | 41,9 | 68             | 0,88        |
|     | 20 | 31501120 | 31501121 | 100            | 70             | 20             | 21 | 105            | 18,5           | 37,7 | 44,8 | 78             | -0,127 1,47 |
|     | 25 | 31501125 | 31501126 | 125            | 90             | 20             | 26 | 130            | 18,5           | 41,8 | 47,8 | 90             | -0,178 2,67 |
|     | 30 | 31501130 | 31501131 | 150            | 110            | 30             | 32 | 155            | 18             | 45,7 | 52,5 | 103            | 4,25        |

# RATIO 1:2

**MATERIAL**  
MATERIAL C45 EN 10083



| M   | Z  | CODE SX  | CODE DX  | d <sub>p</sub> | d <sub>m</sub> | D <sub>1</sub> | F  | d <sub>e</sub> | L <sub>m</sub> | L    | A    | Q <sub>m</sub> | Kg          |
|-----|----|----------|----------|----------------|----------------|----------------|----|----------------|----------------|------|------|----------------|-------------|
| 1,5 | 16 | 31151216 |          | 24             | 20             | 10             | 8  | 26,5           | 9,5            | 17   | 18,6 | 35             | -0,05 0,07  |
|     | 32 |          | 31151232 | 48             | 32             | 12             | 8  | 48,3           | 10             | 18   | 20   | 28             | -0,05 0,29  |
| 2   | 16 | 31201216 |          | 32             | 27             | 10             | 10 | 35,5           | 11,7           | 21   | 22,5 | 45             | -0,05 0,09  |
|     | 32 |          | 31201232 | 64             | 40             | 12             | 10 | 64,5           | 10             | 21,5 | 24,1 | 35             | -0,05 0,32  |
| 2,5 | 16 | 31251216 |          | 40             | 32             | 12             | 12 | 44,5           | 14             | 25,1 | 27,5 | 56             | -0,05 0,17  |
|     | 32 |          | 31251232 | 80             | 50             | 15             | 12 | 80,5           | 15             | 25,9 | 29,2 | 43             | -0,05 0,57  |
| 3   | 16 | 31301216 |          | 48             | 40             | 15             | 15 | 53,5           | 12             | 25,2 | 28,4 | 62             | -0,076 0,25 |
|     | 32 |          | 31301232 | 96             | 60             | 15             | 15 | 97             | 15             | 29,8 | 34,6 | 51             | -0,076 1,03 |
| 4   | 16 | 31401216 |          | 64             | 50             | 20             | 20 | 71,5           | 13,5           | 32,2 | 36,2 | 81             | -0,102 0,52 |
|     | 32 |          | 31401232 | 128            | 80             | 20             | 20 | 129            | 23             | 38,7 | 44,2 | 66             | -0,102 2,21 |
| 5   | 16 | 31501216 |          | 80             | 60             | 20             | 25 | 89,5           | 21             | 45,3 | 50   | 106            | -0,127 1,16 |
|     | 32 |          | 31501232 | 160            | 90             | 25             | 25 | 162            | 27             | 46,8 | 53,7 | 81             | -0,127 2,79 |

# Timing pulley

## LEGEND

PITCH = *PASSO*

In synchronous transmissions using flexible components, timing belts and toothed pulleys play an important role. They allow to solve, in an efficient and economical way, problems that would have required the use of gear kinematics or transmission with articulated link chains.

In fact, the drives performances with synchronous belts are like those provided by the chains and gearings but with additional advantages coming from their structural features.

This evident application flexibility of synchronous transmissions is due to operating characteristics that are common to all timing belts and can be summarized as follow:

- Synchronous motion transmission due to the total absence of slipping.
- Regular and Constant motion, since the timing belts have no polygonal winding and the resulting change in speed typical of chain transmission.
- High belt inextensibility that transmits the motion without significant stretching and therefore without loss of the motion.
- Moderate assembly pre-tensioning, since between belt and pulley is not required adhesion.
- Minimum radial load on the shafts and on gearboxes.
- High power transmission capacity and high torque at low speed.
- Silent running, good performances, minimum overall dimensions and limited

maintenance requirements.

Synchronous transmission quality depends equally on belt and pulley features, which therefore must comply with demanding design and manufacturing criteria.

CHIARAVALLI GROUP SpA cooperates with the world's most qualified belt Manufacturers and it produces its entire range of timing pulleys according to the current Standards, to which are also included special features to improve coupling with the belt.



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| 178 | <b>WITH PILOT BORE</b>               |
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## TYPE MXL 025

### FOR POSITIVE BELTS

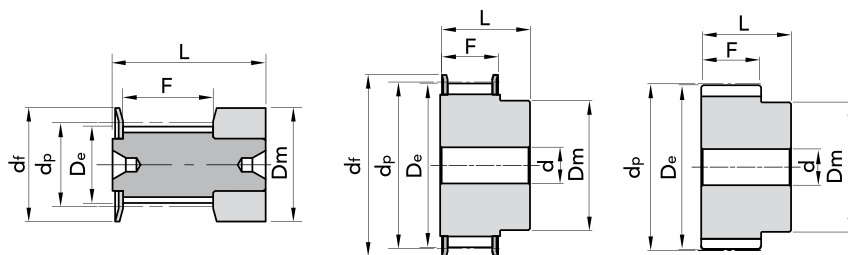
PITCH 0.080" (2.032 mm)

Different pitch of teeth available on demand.

#### MATERIAL

ALUMINIUM 6082-T6 EN 573

ALUMINIUM 6082-T6 E



EXEC. 0F

EXEC. 1F

EXEC. 2

| TYPE       | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F   | L    | d | N. FLANGE | Kg   |
|------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|-----|------|---|-----------|------|
| 16 MXL 025 | 42025116 | 16       | 0F    | 10,35          | 9,84           | 15                    | 15                 | 8,5 | 16,0 | - | 502       | 0,01 |
| 18 MXL 025 | 42025118 | 18       | 0F    | 11,64          | 11,12          | 16                    | 16                 | 8,5 | 16,0 | - | 503       | 0,01 |
| 20 MXL 025 | 42025120 | 20       | 0F    | 12,94          | 12,43          | 16                    | 16                 | 8,5 | 16,0 | - | 503       | 0,01 |
| 22 MXL 025 | 42025122 | 22       | 1F    | 14,23          | 13,72          | 17                    | 10                 | 11  | 16,0 | 3 | 504       | 0,01 |
| 24 MXL 025 | 42025124 | 24       | 1F    | 15,52          | 15,01          | 20                    | 10                 | 11  | 16,0 | 3 | 505       | 0,01 |
| 28 MXL 025 | 42025128 | 28       | 1F    | 18,11          | 17,60          | 25                    | 11                 | 11  | 16,0 | 3 | 506       | 0,01 |
| 30 MXL 025 | 42025130 | 30       | 1F    | 19,40          | 18,90          | 25                    | 12                 | 11  | 16,0 | 4 | 506       | 0,02 |
| 32 MXL 025 | 42025132 | 32       | 1F    | 20,70          | 20,19          | 26                    | 14                 | 11  | 16,0 | 4 | 507       | 0,02 |
| 36 MXL 025 | 42025136 | 36       | 1F    | 23,29          | 22,78          | 28                    | 16                 | 11  | 16,0 | 4 | 508       | 0,02 |
| 40 MXL 025 | 42025140 | 40       | 1F    | 25,87          | 25,37          | 32                    | 18                 | 11  | 16,0 | 4 | 509       | 0,03 |
| 42 MXL 025 | 42025142 | 42       | 1F    | 27,17          | 26,67          | 32                    | 18                 | 11  | 16,0 | 5 | 509       | 0,03 |
| 44 MXL 025 | 42025144 | 44       | 1F    | 28,46          | 27,95          | 36                    | 18                 | 11  | 16,0 | 5 | 510       | 0,03 |
| 48 MXL 025 | 42025148 | 48       | 2     | 31,05          | 30,54          | -                     | 20                 | 11  | 16,0 | 5 | -         | 0,03 |
| 60 MXL 025 | 42025160 | 60       | 2     | 38,81          | 38,30          | -                     | 24                 | 11  | 16,0 | 5 | -         | 0,04 |
| 72 MXL 025 | 42025172 | 72       | 2     | 46,57          | 46,06          | -                     | 25                 | 11  | 16,0 | 6 | -         | 0,05 |



## TYPE XL 037

### FOR POSITIVE BELTS

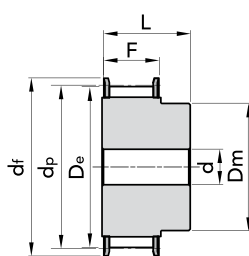
PITCH 1/5" (5.08 mm)

Different pitch of teeth available on demand.

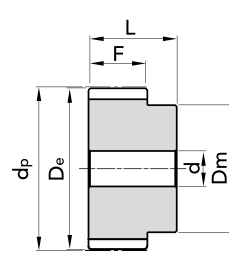
#### MATERIAL

C45 EN 10083

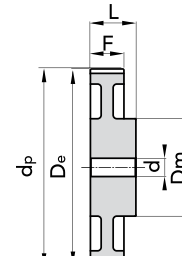
ALUMINIUM 6082-T6 EN 573



EXEC. 1F



EXEC. 2



EXEC. 3

| TYPE      | CODE      |          | N. TEETH | EXEC. | dp     | De     | df FLANGE | Dm HUB | F    | L  | d  | N. FLANGE | WEIGHT |          |
|-----------|-----------|----------|----------|-------|--------|--------|-----------|--------|------|----|----|-----------|--------|----------|
|           | ALUMINIUM | STEEL    |          |       |        |        |           |        |      |    |    |           | AL. kg | STEEL kg |
| 10 XL 037 | 42037110  | 42037010 | 10       | 1F    | 16,17  | 15,66  | 23        | 9,5    | 14,3 | 20 | -  | 1         | 0,01   | 0,028    |
| 11 XL 037 | 42037111  | 42037011 | 11       | 1F    | 17,79  | 17,28  | 23        | 9,5    | 14,3 | 20 | -  | 1         | 0,01   | 0,028    |
| 12 XL 037 | 42037112  | 42037012 | 12       | 1F    | 19,40  | 18,90  | 25        | 10     | 14,3 | 20 | -  | 2         | 0,01   | 0,028    |
| 13 XL 037 | 42037113  | 42037013 | 13       | 1F    | 21,02  | 20,51  | 25        | 10     | 14,3 | 20 | -  | 2         | 0,01   | 0,028    |
| 14 XL 037 | 42037114  | 42037014 | 14       | 1F    | 22,64  | 22,13  | 28        | 15     | 14,3 | 20 | -  | 4         | 0,02   | 0,056    |
| 15 XL 037 | 42037115  | 42037015 | 15       | 1F    | 24,26  | 23,75  | 28        | 15     | 14,3 | 20 | -  | 4         | 0,02   | 0,056    |
| 16 XL 037 | 42037116  | 42037016 | 16       | 1F    | 25,87  | 25,36  | 32        | 16     | 14,3 | 20 | -  | 5         | 0,03   | 0,08     |
| 17 XL 037 | 42037117  | 42037017 | 17       | 1F    | 27,49  | 26,98  | 32        | 20     | 14,3 | 20 | -  | 6         | 0,03   | 0,08     |
| 18 XL 037 | 42037118  | 42037018 | 18       | 1F    | 29,11  | 28,60  | 35        | 20     | 14,3 | 20 | -  | 7         | 0,04   | 0,1      |
| 19 XL 037 | 42037119  | 42037019 | 19       | 1F    | 30,72  | 30,22  | 35        | 20     | 14,3 | 22 | -  | 7         | 0,04   | 0,1      |
| 20 XL 037 | 42037120  | 42037020 | 20       | 1F    | 32,34  | 31,83  | 38        | 23,5   | 14,3 | 22 | -  | 9         | 0,05   | 0,14     |
| 21 XL 037 | 42037121  | 42037021 | 21       | 1F    | 33,96  | 33,45  | 38        | 23,5   | 14,3 | 22 | -  | 9         | 0,05   | 0,14     |
| 22 XL 037 | 42037122  | 42037022 | 22       | 1F    | 35,57  | 35,07  | 41        | 25     | 14,3 | 22 | -  | 10        | 0,06   | 0,16     |
| 24 XL 037 | 42037124  | 42037024 | 24       | 1F    | 38,81  | 38,30  | 44        | 30     | 14,3 | 22 | 6  | 12        | 0,06   | 0,16     |
| 26 XL 037 | 42037126  | 42037026 | 26       | 1F    | 42,04  | 41,53  | 48        | 30     | 14,3 | 22 | 8  | 11        | 0,09   | 0,25     |
| 27 XL 037 | 42037127  | 42037027 | 27       | 1F    | 43,66  | 43,15  | 48        | 30     | 14,3 | 22 | 8  | 11        | 0,09   | 0,25     |
| 28 XL 037 | 42037128  | 42037028 | 28       | 1F    | 45,28  | 44,77  | 51        | 34     | 14,3 | 22 | 8  | 16        | 0,10   | 0,28     |
| 30 XL 037 | 42037130  | 42037030 | 30       | 1F    | 48,51  | 48,00  | 54        | 38     | 14,3 | 22 | 8  | 18        | 0,12   | 0,3      |
| 32 XL 037 | 42037132  | 42037032 | 32       | 1F    | 51,74  | 51,24  | 57        | 38     | 14,3 | 22 | 8  | 20        | 0,12   | 0,3      |
| 34 XL 037 | 42037134  | 42037034 | 34       | 1F    | 54,98  | 54,47  | 61        | 38     | 14,3 | 25 | 8  | 22        | 0,13   | 0,3      |
| 35 XL 037 | 42037135  | 42037035 | 35       | 1F    | 56,60  | 56,09  | 61        | 38     | 14,3 | 25 | 8  | 22        | 0,14   | 0,4      |
| 36 XL 037 | 42037136  |          | 36       | 2     | 58,21  | 57,70  | -         | 45     | 14,3 | 25 | 8  | -         | 0,14   | -        |
| 38 XL 037 | 42037138  |          | 38       | 2     | 61,45  | 60,94  | -         | 45     | 14,3 | 25 | 8  | -         | 0,15   | -        |
| 40 XL 037 | 42037140  |          | 40       | 2     | 64,68  | 64,17  | -         | 45     | 14,3 | 25 | 8  | -         | 0,16   | -        |
| 42 XL 037 | 42037142  |          | 42       | 2     | 67,91  | 67,41  | -         | 45     | 14,3 | 25 | 8  | -         | 0,18   | -        |
| 44 XL 037 | 42037144  |          | 44       | 2     | 71,15  | 70,64  | -         | 45     | 14,3 | 25 | 8  | -         | 0,19   | -        |
| 48 XL 037 | 42037148  |          | 48       | 3     | 77,62  | 77,11  | -         | 45     | 14,3 | 25 | 10 | -         | 0,19   | -        |
| 60 XL 037 | 42037160  |          | 60       | 3     | 97,02  | 96,51  | -         | 45     | 14,3 | 25 | 10 | -         | 0,22   | -        |
| 72 XL 037 | 42037172  |          | 72       | 3     | 116,42 | 115,92 | -         | 45     | 14,3 | 25 | 10 | -         | 0,44   | -        |



## TYPE L 050

### FOR POSITIVE BELTS

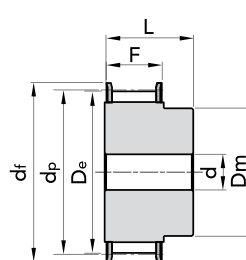
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

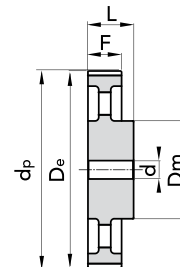
#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4

| TYPE     | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 10 L 050 | 42050010 | 10       | 1F    | 30,33          | 29,56          | 37                    | 20                 | 19 | 28 | 8  | 50        | 0,11 |
| 11 L 050 | 42050011 | 11       | 1F    | 33,35          | 32,59          | 37                    | 22                 | 19 | 30 | 8  | 50        | 0,14 |
| 12 L 050 | 42050012 | 12       | 1F    | 36,37          | 35,62          | 43                    | 24                 | 19 | 30 | 8  | 52        | 0,17 |
| 13 L 050 | 42050013 | 13       | 1F    | 39,41          | 38,65          | 44                    | 28                 | 19 | 30 | 8  | 83        | 0,21 |
| 14 L 050 | 42050014 | 14       | 1F    | 42,44          | 41,68          | 48                    | 28                 | 19 | 30 | 8  | 54        | 0,24 |
| 15 L 050 | 42050015 | 15       | 1F    | 45,48          | 44,72          | 51                    | 34                 | 19 | 30 | 8  | 55        | 0,29 |
| 16 L 050 | 42050016 | 16       | 1F    | 48,51          | 47,75          | 54                    | 36                 | 19 | 32 | 8  | 56        | 0,33 |
| 17 L 050 | 42050017 | 17       | 1F    | 51,54          | 50,78          | 57                    | 36                 | 19 | 32 | 10 | 57        | 0,38 |
| 18 L 050 | 42050018 | 18       | 1F    | 54,59          | 53,81          | 60                    | 40                 | 19 | 32 | 10 | 58        | 0,44 |
| 19 L 050 | 42050019 | 19       | 1F    | 57,61          | 56,84          | 64                    | 40                 | 19 | 32 | 10 | 59        | 0,47 |
| 20 L 050 | 42050020 | 20       | 1F    | 60,63          | 59,88          | 66,5                  | 40                 | 19 | 32 | 10 | 60        | 0,51 |
| 21 L 050 | 42050021 | 21       | 1F    | 63,68          | 62,91          | 70                    | 45                 | 19 | 32 | 10 | 61        | 0,6  |
| 22 L 050 | 42050022 | 22       | 1F    | 66,70          | 65,94          | 75                    | 45                 | 19 | 32 | 10 | 62        | 0,64 |
| 23 L 050 | 42050023 | 23       | 1F    | 69,73          | 68,97          | 79                    | 55                 | 19 | 32 | 10 | 63        | 0,78 |
| 24 L 050 | 42050024 | 24       | 1F    | 72,77          | 72,00          | 79                    | 55                 | 19 | 32 | 10 | 63        | 0,81 |
| 25 L 050 | 42050025 | 25       | 1F    | 75,80          | 75,04          | 82,5                  | 58                 | 19 | 32 | 10 | 64        | 0,89 |
| 26 L 050 | 42050026 | 26       | 1F    | 78,84          | 78,07          | 86                    | 58                 | 19 | 32 | 11 | 65        | 0,94 |
| 27 L 050 | 42050027 | 27       | 1F    | 81,86          | 81,10          | 86                    | 58                 | 19 | 32 | 11 | 65        | 0,99 |
| 28 L 050 | 42050028 | 28       | 1F    | 84,89          | 84,13          | 91                    | 58                 | 19 | 32 | 11 | 66        | 1,04 |
| 30 L 050 | 42050030 | 30       | 1F    | 90,96          | 90,20          | 97                    | 70                 | 19 | 32 | 11 | 68        | 1,17 |
| 32 L 050 | 42050032 | 32       | 1F    | 97,03          | 96,26          | 102                   | 70                 | 19 | 32 | 11 | 70        | 1,41 |
| 33 L 050 | 42050033 | 33       | 1F    | 100,05         | 99,29          | 106                   | 70                 | 19 | 32 | 11 | 71        | 1,49 |
| 34 L 050 | 42050034 | 34       | 1F    | 103,08         | 102,32         | 112                   | 70                 | 19 | 32 | 11 | 72        | 1,57 |
| 35 L 050 | 42050035 | 35       | 1F    | 106,12         | 105,35         | 112                   | 70                 | 19 | 32 | 11 | 72        | 1,62 |
| 36 L 050 | 42050036 | 36       | 1F    | 109,14         | 108,39         | 115                   | 70                 | 19 | 32 | 11 | 74        | 1,7  |
| 40 L 050 | 42050040 | 40       | 1F    | 121,29         | 120,51         | 128                   | 70                 | 19 | 32 | 11 | 78        | 2,03 |
| 42 L 050 | 42050042 | 42       | 1F    | 127,34         | 126,57         | 135                   | 70                 | 19 | 32 | 11 | 80        | 2,21 |
| 44 L 050 | 42050044 | 44       | 1F    | 133,4          | 132,64         | 142                   | 70                 | 19 | 32 | 11 | 81        | 2,38 |
| 45 L 050 | 42050045 | 45       | 1F    | 136,44         | 135,67         | 142                   | 70                 | 19 | 32 | 11 | 81        | 2,48 |
| 48 L 050 | 42050048 | 48       | 1F    | 145,54         | 144,77         | 150                   | 70                 | 19 | 32 | 11 | 85        | 2,78 |
| 50 L 050 | 42050050 | 50       | 4     | 151,6          | 150,83         | -                     | 70                 | 19 | 32 | 14 | -         | 1,74 |
| 52 L 050 | 42050052 | 52       | 4     | 157,66         | 156,9          | -                     | 70                 | 19 | 32 | 14 | -         | 1,8  |
| 56 L 050 | 42050056 | 56       | 4     | 169,79         | 169,02         | -                     | 70                 | 19 | 32 | 14 | -         | 1,87 |
| 57 L 050 | 42050057 | 57       | 4     | 172,82         | 172,06         | -                     | 70                 | 19 | 32 | 14 | -         | 1,88 |
| 60 L 050 | 42050060 | 60       | 4     | 181,92         | 181,15         | -                     | 75                 | 19 | 42 | 14 | -         | 2,41 |
| 72 L 050 | 42050072 | 72       | 4     | 218,29         | 217,53         | -                     | 75                 | 19 | 42 | 14 | -         | 2,82 |
| 84 L 050 | 42050084 | 84       | 4     | 254,69         | 253,92         | -                     | 75                 | 19 | 42 | 14 | -         | 3,08 |
| 96 L 050 | 42050096 | 96       | 4     | 291,06         | 290,3          | -                     | 75                 | 19 | 42 | 14 | -         | 3,42 |



## TYPE L 075

### FOR POSITIVE BELTS

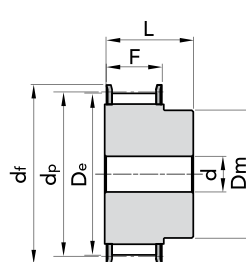
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

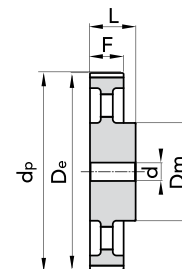
#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4

| TYPE     | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg   |
|----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|------|
| 10 L 075 | 42075010 | 10       | 1F    | 30,33          | 29,56          | 37                    | 20                 | 25,4 | 38 | 8  | 50        | 0,14 |
| 11 L 075 | 42075011 | 11       | 1F    | 33,35          | 32,59          | 37                    | 22                 | 25,4 | 38 | 8  | 50        | 0,18 |
| 12 L 075 | 42075012 | 12       | 1F    | 36,37          | 35,62          | 43                    | 24                 | 25,4 | 38 | 8  | 52        | 0,22 |
| 13 L 075 | 42075013 | 13       | 1F    | 39,41          | 38,65          | 44                    | 28                 | 25,4 | 38 | 8  | 83        | 0,26 |
| 14 L 075 | 42075014 | 14       | 1F    | 42,44          | 41,68          | 48                    | 28                 | 25,4 | 38 | 11 | 54        | 0,30 |
| 15 L 075 | 42075015 | 15       | 1F    | 45,48          | 44,72          | 51                    | 34                 | 25,4 | 38 | 11 | 55        | 0,37 |
| 16 L 075 | 42075016 | 16       | 1F    | 48,51          | 47,75          | 54                    | 36                 | 25,4 | 38 | 11 | 56        | 0,43 |
| 17 L 075 | 42075017 | 17       | 1F    | 51,54          | 50,78          | 57                    | 36                 | 25,4 | 38 | 11 | 57        | 0,46 |
| 18 L 075 | 42075018 | 18       | 1F    | 54,59          | 53,81          | 60                    | 40                 | 25,4 | 38 | 11 | 58        | 0,54 |
| 19 L 075 | 42075019 | 19       | 1F    | 57,61          | 56,84          | 64                    | 40                 | 25,4 | 38 | 11 | 59        | 0,58 |
| 20 L 075 | 42075020 | 20       | 1F    | 60,63          | 59,88          | 66,5                  | 40                 | 25,4 | 38 | 11 | 60        | 0,64 |
| 21 L 075 | 42075021 | 21       | 1F    | 63,68          | 62,91          | 70                    | 45                 | 25,4 | 38 | 11 | 61        | 0,71 |
| 22 L 075 | 42075022 | 22       | 1F    | 66,70          | 65,94          | 75                    | 45                 | 25,4 | 38 | 11 | 62        | 0,79 |
| 23 L 075 | 42075023 | 23       | 1F    | 69,73          | 68,97          | 79                    | 55                 | 25,4 | 38 | 11 | 63        | 0,94 |
| 24 L 075 | 42075024 | 24       | 1F    | 72,77          | 72,00          | 79                    | 55                 | 25,4 | 38 | 11 | 63        | 1,00 |
| 25 L 075 | 42075025 | 25       | 1F    | 75,80          | 75,04          | 82,5                  | 58                 | 25,4 | 38 | 11 | 64        | 1,10 |
| 26 L 075 | 42075026 | 26       | 1F    | 78,84          | 78,07          | 86                    | 58                 | 25,4 | 38 | 11 | 65        | 1,16 |
| 27 L 075 | 42075027 | 27       | 1F    | 81,86          | 81,10          | 86                    | 58                 | 25,4 | 38 | 11 | 65        | 1,22 |
| 28 L 075 | 42075028 | 28       | 1F    | 84,89          | 84,13          | 91                    | 58                 | 25,4 | 38 | 11 | 66        | 1,30 |
| 30 L 075 | 42075030 | 30       | 1F    | 90,96          | 90,20          | 97                    | 70                 | 25,4 | 38 | 11 | 68        | 1,47 |
| 32 L 075 | 42075032 | 32       | 1F    | 97,03          | 96,26          | 102                   | 70                 | 25,4 | 38 | 11 | 70        | 1,75 |
| 33 L 075 | 42075033 | 33       | 1F    | 100,05         | 99,29          | 106                   | 70                 | 25,4 | 38 | 11 | 71        | 1,85 |
| 34 L 075 | 42075034 | 34       | 1F    | 103,08         | 102,32         | 112                   | 70                 | 25,4 | 38 | 11 | 72        | 1,93 |
| 35 L 075 | 42075035 | 35       | 1F    | 106,12         | 105,35         | 112                   | 70                 | 25,4 | 38 | 11 | 72        | 2,03 |
| 36 L 075 | 42075036 | 36       | 1F    | 109,14         | 108,39         | 115                   | 70                 | 25,4 | 38 | 11 | 74        | 2,14 |
| 40 L 075 | 42075040 | 40       | 1F    | 121,29         | 120,51         | 128                   | 70                 | 25,4 | 38 | 11 | 78        | 2,56 |
| 42 L 075 | 42075042 | 42       | 1F    | 127,34         | 126,57         | 135                   | 70                 | 25,4 | 38 | 11 | 80        | 2,81 |
| 44 L 075 | 42075044 | 44       | 1F    | 133,4          | 132,64         | 142                   | 70                 | 25,4 | 38 | 11 | 81        | 3,02 |
| 45 L 075 | 42075045 | 45       | 1F    | 136,44         | 135,67         | 142                   | 70                 | 25,4 | 38 | 11 | 81        | 3,16 |
| 48 L 075 | 42075048 | 48       | 1F    | 145,54         | 144,77         | 150                   | 70                 | 25,4 | 38 | 11 | 85        | 3,57 |
| 50 L 075 | 42075050 | 50       | 4     | 151,6          | 150,83         | -                     | 70                 | 25,4 | 38 | 14 | -         | 2,10 |
| 52 L 075 | 42075052 | 52       | 4     | 157,66         | 156,9          | -                     | 70                 | 25,4 | 38 | 14 | -         | 2,13 |
| 56 L 075 | 42075056 | 56       | 4     | 169,79         | 169,02         | -                     | 70                 | 25,4 | 38 | 14 | -         | 2,27 |
| 57 L 075 | 42075057 | 57       | 4     | 172,82         | 172,06         | -                     | 70                 | 25,4 | 38 | 14 | -         | 2,28 |
| 60 L 075 | 42075060 | 60       | 4     | 181,92         | 181,15         | -                     | 75                 | 25,4 | 45 | 14 | -         | 2,70 |
| 72 L 075 | 42075072 | 72       | 4     | 218,29         | 217,53         | -                     | 75                 | 25,4 | 45 | 14 | -         | 3,19 |
| 84 L 075 | 42075084 | 84       | 4     | 254,69         | 253,92         | -                     | 75                 | 25,4 | 45 | 14 | -         | 3,64 |
| 96 L 075 | 42075096 | 96       | 4     | 291,06         | 290,3          | -                     | 75                 | 25,4 | 45 | 14 | -         | 4,04 |



## TYPE L 100

### FOR POSITIVE BELTS

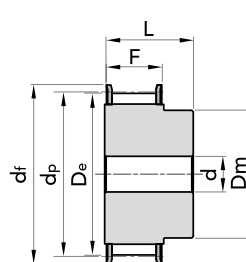
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

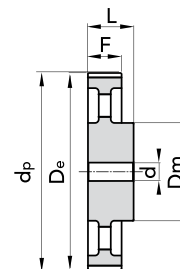
#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4

| TYPE     | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg   |
|----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|------|
| 10 L 100 | 42100010 | 10       | 1F    | 30,33          | 29,56          | 37                    | 20                 | 31,8 | 45 | 8  | 50        | 0,17 |
| 11 L 100 | 42100011 | 11       | 1F    | 33,35          | 32,59          | 37                    | 22                 | 31,8 | 45 | 8  | 50        | 0,22 |
| 12 L 100 | 42100012 | 12       | 1F    | 36,37          | 35,62          | 43                    | 24                 | 31,8 | 45 | 8  | 52        | 0,26 |
| 13 L 100 | 42100013 | 13       | 1F    | 39,41          | 38,65          | 44                    | 28                 | 31,8 | 45 | 8  | 83        | 0,32 |
| 14 L 100 | 42100014 | 14       | 1F    | 42,44          | 41,68          | 48                    | 28                 | 31,8 | 45 | 11 | 54        | 0,35 |
| 15 L 100 | 42100015 | 15       | 1F    | 45,48          | 44,72          | 51                    | 34                 | 31,8 | 45 | 11 | 55        | 0,43 |
| 16 L 100 | 42100016 | 16       | 1F    | 48,51          | 47,75          | 54                    | 36                 | 31,8 | 45 | 11 | 56        | 0,50 |
| 17 L 100 | 42100017 | 17       | 1F    | 51,54          | 50,78          | 57                    | 36                 | 31,8 | 45 | 11 | 57        | 0,56 |
| 18 L 100 | 42100018 | 18       | 1F    | 54,59          | 53,81          | 60                    | 40                 | 31,8 | 45 | 11 | 58        | 0,64 |
| 19 L 100 | 42100019 | 19       | 1F    | 57,61          | 56,84          | 64                    | 40                 | 31,8 | 45 | 11 | 59        | 0,70 |
| 20 L 100 | 42100020 | 20       | 1F    | 60,63          | 59,88          | 66                    | 40                 | 31,8 | 45 | 11 | 60        | 0,77 |
| 21 L 100 | 42100021 | 21       | 1F    | 63,68          | 62,91          | 70                    | 45                 | 31,8 | 45 | 11 | 61        | 0,88 |
| 22 L 100 | 42100022 | 22       | 1F    | 66,70          | 65,94          | 75                    | 45                 | 31,8 | 45 | 11 | 62        | 0,95 |
| 23 L 100 | 42100023 | 23       | 1F    | 69,73          | 68,97          | 79                    | 55                 | 31,8 | 45 | 11 | 63        | 1,11 |
| 24 L 100 | 42100024 | 24       | 1F    | 72,77          | 72,00          | 79                    | 55                 | 31,8 | 45 | 11 | 63        | 1,18 |
| 25 L 100 | 42100025 | 25       | 1F    | 75,80          | 75,04          | 82                    | 58                 | 31,8 | 45 | 11 | 64        | 1,30 |
| 26 L 100 | 42100026 | 26       | 1F    | 78,84          | 78,07          | 86                    | 58                 | 31,8 | 45 | 11 | 65        | 1,40 |
| 27 L 100 | 42100027 | 27       | 1F    | 81,86          | 81,10          | 86                    | 58                 | 31,8 | 45 | 11 | 65        | 1,47 |
| 28 L 100 | 42100028 | 28       | 1F    | 84,89          | 84,13          | 91                    | 58                 | 31,8 | 45 | 11 | 66        | 1,58 |
| 30 L 100 | 42100030 | 30       | 1F    | 90,96          | 90,20          | 97                    | 70                 | 31,8 | 45 | 11 | 68        | 1,78 |
| 32 L 100 | 42100032 | 32       | 1F    | 97,03          | 96,26          | 102                   | 70                 | 31,8 | 45 | 11 | 70        | 2,11 |
| 33 L 100 | 42100033 | 33       | 1F    | 100,05         | 99,29          | 106                   | 70                 | 31,8 | 45 | 11 | 71        | 2,23 |
| 34 L 100 | 42100034 | 34       | 1F    | 103,08         | 102,32         | 112                   | 70                 | 31,8 | 45 | 11 | 72        | 2,39 |
| 35 L 100 | 42100035 | 35       | 1F    | 106,12         | 105,35         | 112                   | 70                 | 31,8 | 45 | 11 | 72        | 2,45 |
| 36 L 100 | 42100036 | 36       | 1F    | 109,14         | 108,39         | 115                   | 70                 | 31,8 | 45 | 11 | 74        | 2,59 |
| 40 L 100 | 42100040 | 40       | 1F    | 121,29         | 120,51         | 128                   | 70                 | 31,8 | 45 | 11 | 78        | 3,13 |
| 42 L 100 | 42100042 | 42       | 1F    | 127,34         | 126,57         | 135                   | 70                 | 31,8 | 45 | 11 | 80        | 3,43 |
| 44 L 100 | 42100044 | 44       | 1F    | 133,4          | 132,64         | 142                   | 70                 | 31,8 | 45 | 11 | 81        | 3,72 |
| 45 L 100 | 42100045 | 45       | 1F    | 136,44         | 135,67         | 142                   | 70                 | 31,8 | 45 | 11 | 81        | 3,89 |
| 48 L 100 | 42100048 | 48       | 1F    | 145,54         | 144,77         | 150                   | 70                 | 31,8 | 45 | 11 | 85        | 4,38 |
| 50 L 100 | 42100050 | 50       | 4     | 151,6          | 150,83         | -                     | 70                 | 31,8 | 45 | 14 | -         | 2,41 |
| 52 L 100 | 42100052 | 52       | 4     | 157,66         | 156,9          | -                     | 70                 | 31,8 | 45 | 14 | -         | 2,55 |
| 56 L 100 | 42100056 | 56       | 4     | 169,79         | 169,02         | -                     | 70                 | 31,8 | 45 | 14 | -         | 2,65 |
| 57 L 100 | 42100057 | 57       | 4     | 172,82         | 172,06         | -                     | 70                 | 31,8 | 45 | 14 | -         | 2,71 |
| 60 L 100 | 42100060 | 60       | 4     | 181,92         | 181,15         | -                     | 75                 | 31,8 | 45 | 14 | -         | 3,11 |
| 72 L 100 | 42100072 | 72       | 4     | 218,29         | 217,53         | -                     | 75                 | 31,8 | 45 | 14 | -         | 3,65 |
| 84 L 100 | 42100084 | 84       | 4     | 254,69         | 253,92         | -                     | 75                 | 31,8 | 45 | 14 | -         | 4,12 |
| 96 L 100 | 42100096 | 96       | 4     | 291,06         | 290,3          | -                     | 75                 | 31,8 | 45 | 14 | -         | 4,60 |



## TYPE H 075

### FOR POSITIVE BELTS

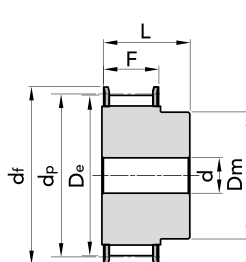
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

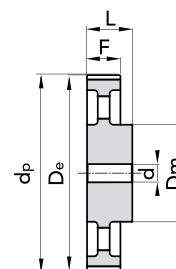
#### MATERIAL

C45 EN 10083

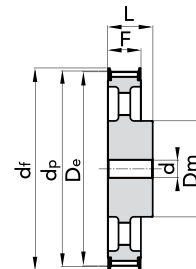
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4



EXEC. 5F

| TYPE     | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg   |
|----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|------|
| 14 H 075 | 43075014 | 14       | 1F    | 56,59          | 55,22          | 64                    | 40                 | 26,4 | 40 | -  | 59        | 0,58 |
| 15 H 075 | 43075015 | 15       | 1F    | 60,64          | 59,27          | 66,5                  | 45                 | 26,4 | 40 | -  | 60        | 0,69 |
| 16 H 075 | 43075016 | 16       | 1F    | 64,67          | 63,31          | 70                    | 45                 | 26,4 | 40 | -  | 61        | 0,77 |
| 17 H 075 | 43075017 | 17       | 1F    | 68,72          | 67,35          | 75                    | 45                 | 26,4 | 40 | -  | 62        | 0,84 |
| 18 H 075 | 43075018 | 18       | 1F    | 72,77          | 71,39          | 79                    | 55                 | 26,4 | 40 | -  | 63        | 1,01 |
| 19 H 075 | 43075019 | 19       | 1F    | 76,81          | 75,44          | 82,5                  | 60                 | 26,4 | 40 | 11 | 64        | 1,15 |
| 20 H 075 | 43075020 | 20       | 1F    | 80,85          | 79,48          | 87                    | 62                 | 26,4 | 40 | 11 | 76        | 1,27 |
| 21 H 075 | 43075021 | 21       | 1F    | 84,89          | 83,52          | 91                    | 65                 | 26,4 | 40 | 11 | 66        | 1,41 |
| 22 H 075 | 43075022 | 22       | 1F    | 88,93          | 87,56          | 94                    | 68                 | 26,4 | 40 | 11 | 67        | 1,55 |
| 23 H 075 | 43075023 | 23       | 1F    | 92,98          | 91,61          | 97                    | 72                 | 26,4 | 40 | 11 | 68        | 1,71 |
| 24 H 075 | 43075024 | 24       | 1F    | 97,03          | 95,65          | 102                   | 72                 | 26,4 | 40 | 11 | 70        | 1,83 |
| 25 H 075 | 43075025 | 25       | 1F    | 101,06         | 99,69          | 106                   | 72                 | 26,4 | 40 | 11 | 71        | 1,96 |
| 26 H 075 | 43075026 | 26       | 1F    | 105,11         | 103,73         | 112                   | 80                 | 26,4 | 40 | 11 | 72        | 2,19 |
| 27 H 075 | 43075027 | 27       | 1F    | 109,15         | 107,78         | 115                   | 80                 | 26,4 | 40 | 11 | 74        | 2,32 |
| 28 H 075 | 43075028 | 28       | 1F    | 113,18         | 111,82         | 120                   | 80                 | 26,4 | 40 | 11 | 75        | 2,47 |
| 30 H 075 | 43075030 | 30       | 1F    | 121,29         | 119,90         | 128                   | 80                 | 26,4 | 40 | 11 | 78        | 2,76 |
| 32 H 075 | 43075032 | 32       | 1F    | 129,30         | 127,99         | 135                   | 80                 | 26,4 | 40 | 11 | 80        | 3,08 |
| 33 H 075 | 43075033 | 33       | 1F    | 133,40         | 132,03         | 142                   | 80                 | 26,4 | 40 | 11 | 81        | 3,25 |
| 34 H 075 | 43075034 | 34       | 1F    | 137,45         | 136,07         | 142                   | 80                 | 26,4 | 40 | 11 | 81        | 3,42 |
| 35 H 075 | 43075035 | 35       | 1F    | 141,49         | 140,12         | 150                   | 80                 | 26,4 | 40 | 11 | 85        | 3,61 |
| 36 H 075 | 43075036 | 36       | 1F    | 145,54         | 144,16         | 150                   | 80                 | 26,4 | 40 | 11 | 85        | 3,79 |
| 38 H 075 | 43075038 | 38       | 1F    | 153,62         | 152,24         | 158                   | 80                 | 26,4 | 40 | 11 | 86        | 4,16 |
| 40 H 075 | 43075040 | 40       | 1F    | 161,70         | 160,33         | 168                   | 80                 | 26,4 | 40 | 11 | 90        | 4,58 |
| 42 H 075 | 43075042 | 42       | 1F    | 169,79         | 168,41         | 184                   | 80                 | 26,4 | 40 | 11 | 94        | 5,05 |
| 44 H 075 | 43075044 | 44       | 5F    | 177,80         | 176,50         | 184                   | 80                 | 26,4 | 40 | 14 | 95        | 2,57 |
| 48 H 075 | 43075048 | 48       | 5F    | 194,03         | 192,67         | 200                   | 90                 | 26,4 | 45 | 14 | 100       | 3,56 |
| 50 H 075 | 43075050 | 50       | 4     | 202,13         | 200,75         | -                     | 90                 | 26,4 | 45 | 14 | -         | 3,74 |



# TYPE H 100

## FOR POSITIVE BELTS

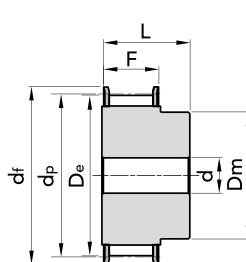
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

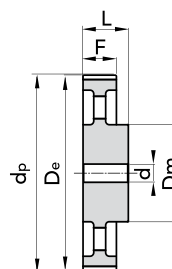
### MATERIAL

C45 EN 10083

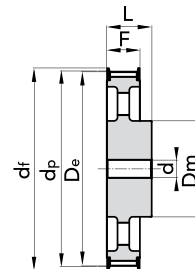
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4



EXEC. 5F

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|-------|
| 14 H 100  | 43100014 | 14       | 1F    | 56,59          | 55,22          | 64                    | 40                 | 31,8 | 45 | -  | 59        | 0,65  |
| 15 H 100  | 43100015 | 15       | 1F    | 60,64          | 59,27          | 66,5                  | 45                 | 31,8 | 45 | -  | 60        | 0,77  |
| 16 H 100  | 43100016 | 16       | 1F    | 64,67          | 63,31          | 70                    | 45                 | 31,8 | 45 | -  | 61        | 0,87  |
| 17 H 100  | 43100017 | 17       | 1F    | 68,72          | 67,35          | 75                    | 45                 | 31,8 | 45 | -  | 62        | 0,97  |
| 18 H 100  | 43100018 | 18       | 1F    | 72,77          | 71,39          | 79                    | 55                 | 31,8 | 45 | -  | 63        | 1,16  |
| 19 H 100  | 43100019 | 19       | 1F    | 76,81          | 75,44          | 82,5                  | 60                 | 31,8 | 45 | 14 | 64        | 1,30  |
| 20 H 100  | 43100020 | 20       | 1F    | 80,85          | 79,48          | 87                    | 62                 | 31,8 | 45 | 14 | 76        | 1,44  |
| 21 H 100  | 43100021 | 21       | 1F    | 84,89          | 83,52          | 91                    | 65                 | 31,8 | 45 | 14 | 66        | 1,60  |
| 22 H 100  | 43100022 | 22       | 1F    | 88,93          | 87,56          | 94                    | 68                 | 31,8 | 45 | 14 | 67        | 1,76  |
| 23 H 100  | 43100023 | 23       | 1F    | 92,98          | 91,61          | 97                    | 72                 | 31,8 | 45 | 14 | 68        | 1,94  |
| 24 H 100  | 43100024 | 24       | 1F    | 97,03          | 95,65          | 102                   | 72                 | 31,8 | 45 | 14 | 70        | 2,09  |
| 25 H 100  | 43100025 | 25       | 1F    | 101,06         | 99,69          | 106                   | 72                 | 31,8 | 45 | 14 | 71        | 2,24  |
| 26 H 100  | 43100026 | 26       | 1F    | 105,11         | 103,73         | 112                   | 80                 | 31,8 | 45 | 14 | 72        | 2,49  |
| 27 H 100  | 43100027 | 27       | 1F    | 109,15         | 107,78         | 115                   | 80                 | 31,8 | 45 | 14 | 74        | 2,66  |
| 28 H 100  | 43100028 | 28       | 1F    | 113,18         | 111,82         | 120                   | 80                 | 31,8 | 45 | 14 | 75        | 2,83  |
| 29 H 100  | 43100029 | 29       | 1F    | 117,23         | 115,86         | 120                   | 80                 | 31,8 | 45 | 14 | 75        | 3,01  |
| 30 H 100  | 43100030 | 30       | 1F    | 121,29         | 119,90         | 128                   | 80                 | 31,8 | 45 | 14 | 78        | 3,19  |
| 32 H 100  | 43100032 | 32       | 1F    | 129,30         | 127,99         | 135                   | 80                 | 31,8 | 45 | 14 | 80        | 3,57  |
| 33 H 100  | 43100033 | 33       | 1F    | 133,40         | 132,03         | 142                   | 80                 | 31,8 | 45 | 14 | 81        | 3,79  |
| 34 H 100  | 43100034 | 34       | 1F    | 137,45         | 136,07         | 142                   | 80                 | 31,8 | 45 | 14 | 81        | 3,99  |
| 35 H 100  | 43100035 | 35       | 1F    | 141,49         | 140,12         | 150                   | 80                 | 31,8 | 45 | 14 | 85        | 4,20  |
| 36 H 100  | 43100036 | 36       | 1F    | 145,54         | 144,16         | 150                   | 80                 | 31,8 | 45 | 14 | 85        | 4,44  |
| 38 H 100  | 43100038 | 38       | 1F    | 153,62         | 152,24         | 158                   | 80                 | 31,8 | 45 | 14 | 86        | 4,90  |
| 40 H 100  | 43100040 | 40       | 1F    | 161,70         | 160,33         | 168                   | 80                 | 31,8 | 45 | 14 | 90        | 5,39  |
| 42 H 100  | 43100042 | 42       | 1F    | 169,79         | 168,41         | 180                   | 80                 | 31,8 | 45 | 14 | 94        | 5,89  |
| 44 H 100  | 43100044 | 44       | 5F    | 177,88         | 176,50         | 184                   | 80                 | 31,8 | 50 | 14 | 95        | 3,37  |
| 45 H 100  | 43100045 | 45       | 5F    | 181,91         | 180,54         | 192                   | 80                 | 31,8 | 50 | 14 | 96        | 3,57  |
| 48 H 100  | 43100048 | 48       | 5F    | 194,03         | 192,67         | 200                   | 90                 | 31,8 | 50 | 14 | 100       | 4,10  |
| 50 H 100  | 43100050 | 50       | 4     | 202,13         | 200,75         | -                     | 90                 | 31,8 | 50 | 19 | -         | 4,24  |
| 52 H 100  | 43100052 | 52       | 4     | 210,21         | 208,84         | -                     | 90                 | 31,8 | 50 | 19 | -         | 4,32  |
| 58 H 100  | 43100058 | 58       | 4     | 234,47         | 233,09         | -                     | 90                 | 31,8 | 50 | 19 | -         | 4,61  |
| 60 H 100  | 43100060 | 60       | 4     | 242,55         | 241,18         | -                     | 120                | 31,8 | 50 | 19 | -         | 5,30  |
| 70 H 100  | 43100070 | 70       | 4     | 282,98         | 281,61         | -                     | 120                | 31,8 | 55 | 19 | -         | 6,13  |
| 72 H 100  | 43100072 | 72       | 4     | 291,06         | 289,69         | -                     | 120                | 31,8 | 55 | 19 | -         | 7,47  |
| 84 H 100  | 43100084 | 84       | 4     | 339,57         | 338,2          | -                     | 120                | 31,8 | 55 | 19 | -         | 8,52  |
| 96 H 100  | 43100096 | 96       | 4     | 388,09         | 386,71         | -                     | 120                | 31,8 | 60 | 19 | -         | 10,25 |
| 120 H 100 | 43100120 | 120      | 4     | 485,12         | 483,73         | -                     | 120                | 31,8 | 60 | 19 | -         | 13,09 |







## TYPE H 150

### FOR POSITIVE BELTS

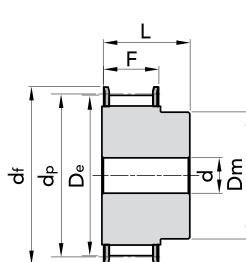
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

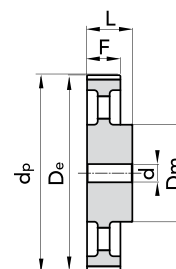
#### MATERIAL

C45 EN 10083

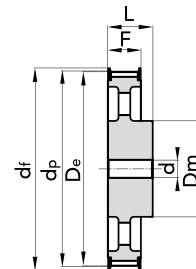
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4



EXEC. 5F

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|-------|
| 14 H 150  | 43150014 | 14       | 1F    | 56,59          | 55,22          | 64                    | 42                 | 46,0 | 58 | -  | 59        | 0,81  |
| 15 H 150  | 43150015 | 15       | 1F    | 60,64          | 59,27          | 66,5                  | 45                 | 46,0 | 58 | -  | 60        | 0,97  |
| 16 H 150  | 43150016 | 16       | 1F    | 64,67          | 63,31          | 70                    | 45                 | 46,0 | 58 | -  | 61        | 1,11  |
| 17 H 150  | 43150017 | 17       | 1F    | 68,72          | 67,35          | 75                    | 45                 | 46,0 | 58 | -  | 62        | 1,25  |
| 18 H 150  | 43150018 | 18       | 1F    | 72,77          | 71,39          | 79                    | 55                 | 46,0 | 58 | -  | 63        | 1,48  |
| 19 H 150  | 43150019 | 19       | 1F    | 76,81          | 75,44          | 82,5                  | 60                 | 46,0 | 58 | -  | 64        | 1,68  |
| 20 H 150  | 43150020 | 20       | 1F    | 80,85          | 79,48          | 87                    | 62                 | 46,0 | 58 | -  | 76        | 1,88  |
| 21 H 150  | 43150021 | 21       | 1F    | 84,89          | 83,52          | 91                    | 65                 | 46,0 | 58 | -  | 66        | 2,08  |
| 22 H 150  | 43150022 | 22       | 1F    | 88,93          | 87,56          | 94                    | 68                 | 46,0 | 58 | -  | 67        | 2,30  |
| 23 H 150  | 43150023 | 23       | 1F    | 92,98          | 91,61          | 97                    | 72                 | 46,0 | 58 | -  | 68        | 2,54  |
| 24 H 150  | 43150024 | 24       | 1F    | 97,03          | 95,65          | 102                   | 72                 | 46,0 | 58 | -  | 70        | 2,75  |
| 25 H 150  | 43150025 | 25       | 1F    | 101,06         | 99,69          | 106                   | 72                 | 46,0 | 58 | -  | 71        | 2,97  |
| 26 H 150  | 43150026 | 26       | 1F    | 105,11         | 103,73         | 112                   | 80                 | 46,0 | 58 | -  | 72        | 3,29  |
| 27 H 150  | 43150027 | 27       | 1F    | 109,15         | 107,78         | 115                   | 80                 | 46,0 | 58 | -  | 74        | 3,52  |
| 28 H 150  | 43150028 | 28       | 1F    | 113,18         | 111,82         | 120                   | 80                 | 46,0 | 58 | -  | 75        | 3,78  |
| 29 H 150  | 43150029 | 29       | 1F    | 117,23         | 115,86         | 120                   | 80                 | 46,0 | 58 | -  | 75        | 4,03  |
| 30 H 150  | 43150030 | 30       | 1F    | 121,29         | 119,90         | 128                   | 80                 | 46,0 | 58 | -  | 78        | 4,29  |
| 32 H 150  | 43150032 | 32       | 1F    | 129,30         | 127,99         | 135                   | 80                 | 46,0 | 58 | -  | 80        | 4,86  |
| 33 H 150  | 43150033 | 33       | 1F    | 133,40         | 132,03         | 142                   | 80                 | 46,0 | 58 | -  | 81        | 5,15  |
| 34 H 150  | 43150034 | 34       | 1F    | 137,45         | 136,07         | 142                   | 80                 | 46,0 | 58 | -  | 81        | 5,46  |
| 35 H 150  | 43150035 | 35       | 1F    | 141,49         | 140,12         | 150                   | 80                 | 46,0 | 58 | -  | 85        | 5,78  |
| 36 H 150  | 43150036 | 36       | 1F    | 145,54         | 144,16         | 150                   | 80                 | 46,0 | 58 | -  | 85        | 6,09  |
| 38 H 150  | 43150038 | 38       | 1F    | 153,62         | 152,24         | 158                   | 80                 | 46,0 | 58 | -  | 86        | 6,74  |
| 40 H 150  | 43150040 | 40       | 1F    | 161,70         | 160,33         | 168                   | 80                 | 46,0 | 58 | -  | 90        | 7,46  |
| 42 H 150  | 43150042 | 42       | 1F    | 169,79         | 168,41         | 180                   | 80                 | 46,0 | 58 | -  | 94        | 7,98  |
| 44 H 150  | 43150044 | 44       | 5F    | 177,88         | 176,50         | 184                   | 80                 | 46,0 | 58 | 19 | 95        | 4,29  |
| 45 H 150  | 43150045 | 45       | 5F    | 181,91         | 180,54         | 192                   | 80                 | 46,0 | 58 | 19 | 96        | 4,44  |
| 48 H 150  | 43150048 | 48       | 5F    | 194,03         | 192,67         | 200                   | 90                 | 46,0 | 65 | 19 | 100       | 5,41  |
| 50 H 150  | 43150050 | 50       | 4     | 202,13         | 200,75         | -                     | 90                 | 46,0 | 65 | 19 | -         | 5,59  |
| 52 H 150  | 43150052 | 52       | 4     | 210,21         | 208,84         | -                     | 90                 | 46,0 | 65 | 19 | -         | 5,79  |
| 58 H 150  | 43150058 | 58       | 4     | 234,47         | 233,09         | -                     | 90                 | 46,0 | 65 | 19 | -         | 6,15  |
| 60 H 150  | 43150060 | 60       | 4     | 242,55         | 241,18         | -                     | 120                | 46,0 | 65 | 19 | -         | 7,08  |
| 70 H 150  | 43150070 | 70       | 4     | 282,98         | 281,61         | -                     | 120                | 46,0 | 65 | 24 | -         | 7,77  |
| 72 H 150  | 43150072 | 72       | 4     | 291,06         | 289,69         | -                     | 120                | 46,0 | 65 | 24 | -         | 9,70  |
| 84 H 150  | 43150084 | 84       | 4     | 339,57         | 338,2          | -                     | 120                | 46,0 | 65 | 24 | -         | 10,99 |
| 96 H 150  | 43150096 | 96       | 4     | 388,09         | 386,71         | -                     | 120                | 46,0 | 65 | 24 | -         | 12,24 |
| 120 H 150 | 43150120 | 120      | 4     | 485,12         | 483,73         | -                     | 120                | 46,0 | 65 | 24 | -         | 16,17 |



## TYPE H 200

### FOR POSITIVE BELTS

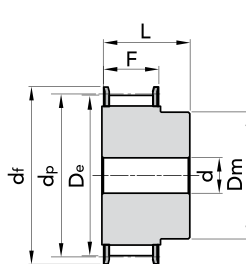
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

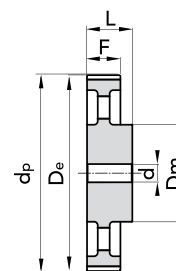
#### MATERIAL

C45 EN 10083

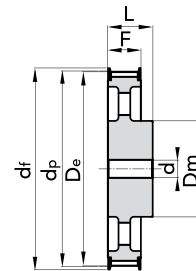
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4



EXEC. 5F

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|-------|
| 14 H 200  | 43200014 | 14       | 1F    | 56,59          | 55,22          | 64                    | 40                 | 58,7 | 70 | -  | 59        | 1,10  |
| 15 H 200  | 43200015 | 15       | 1F    | 60,64          | 59,27          | 66,5                  | 45                 | 58,7 | 70 | -  | 60        | 1,33  |
| 16 H 200  | 43200016 | 16       | 1F    | 64,67          | 63,31          | 70                    | 45                 | 58,7 | 70 | -  | 61        | 1,54  |
| 17 H 200  | 43200017 | 17       | 1F    | 68,72          | 67,35          | 75                    | 45                 | 58,7 | 70 | -  | 62        | 1,69  |
| 18 H 200  | 43200018 | 18       | 1F    | 72,77          | 71,39          | 79                    | 55                 | 58,7 | 70 | -  | 63        | 1,95  |
| 19 H 200  | 43200019 | 19       | 1F    | 76,81          | 75,44          | 82,5                  | 60                 | 58,7 | 70 | -  | 64        | 2,20  |
| 20 H 200  | 43200020 | 20       | 1F    | 80,85          | 79,48          | 87                    | 62                 | 58,7 | 70 | -  | 76        | 2,44  |
| 21 H 200  | 43200021 | 21       | 1F    | 84,89          | 83,52          | 91                    | 65                 | 58,7 | 70 | -  | 66        | 2,70  |
| 22 H 200  | 43200022 | 22       | 1F    | 88,93          | 87,56          | 94                    | 68                 | 58,7 | 70 | -  | 67        | 2,97  |
| 23 H 200  | 43200023 | 23       | 1F    | 92,98          | 91,61          | 97                    | 72                 | 58,7 | 70 | -  | 68        | 3,25  |
| 24 H 200  | 43200024 | 24       | 1F    | 97,03          | 95,65          | 102                   | 72                 | 58,7 | 70 | -  | 70        | 3,56  |
| 25 H 200  | 43200025 | 25       | 1F    | 101,06         | 99,69          | 106                   | 72                 | 58,7 | 70 | -  | 71        | 3,81  |
| 26 H 200  | 43200026 | 26       | 1F    | 105,11         | 103,73         | 112                   | 80                 | 58,7 | 70 | -  | 72        | 4,18  |
| 27 H 200  | 43200027 | 27       | 1F    | 109,15         | 107,78         | 115                   | 80                 | 58,7 | 70 | -  | 74        | 4,49  |
| 28 H 200  | 43200028 | 28       | 1F    | 113,18         | 111,82         | 120                   | 80                 | 58,7 | 70 | -  | 75        | 4,81  |
| 29 H 200  | 43200029 | 29       | 1F    | 117,23         | 115,86         | 120                   | 80                 | 58,7 | 70 | -  | 75        | 5,14  |
| 30 H 200  | 43200030 | 30       | 1F    | 121,29         | 119,90         | 128                   | 80                 | 58,7 | 70 | -  | 78        | 5,47  |
| 32 H 200  | 43200032 | 32       | 1F    | 129,30         | 127,99         | 135                   | 80                 | 58,7 | 70 | -  | 80        | 6,17  |
| 33 H 200  | 43200033 | 33       | 1F    | 133,40         | 132,03         | 142                   | 80                 | 58,7 | 70 | -  | 81        | 6,56  |
| 34 H 200  | 43200034 | 34       | 1F    | 137,45         | 136,07         | 142                   | 80                 | 58,7 | 70 | -  | 81        | 6,94  |
| 35 H 200  | 43200035 | 35       | 1F    | 141,49         | 140,12         | 150                   | 80                 | 58,7 | 70 | -  | 85        | 7,34  |
| 36 H 200  | 43200036 | 36       | 1F    | 145,54         | 144,16         | 150                   | 80                 | 58,7 | 70 | -  | 85        | 7,75  |
| 38 H 200  | 43200038 | 38       | 1F    | 153,62         | 152,24         | 158                   | 80                 | 58,7 | 70 | -  | 86        | 8,62  |
| 40 H 200  | 43200040 | 40       | 1F    | 161,70         | 160,33         | 168                   | 80                 | 58,7 | 70 | -  | 90        | 9,50  |
| 42 H 200  | 43200042 | 42       | 1F    | 169,79         | 168,41         | 180                   | 80                 | 58,7 | 70 | -  | 94        | 10,61 |
| 44 H 200  | 43200044 | 44       | 5F    | 177,88         | 176,50         | 184                   | 80                 | 58,7 | 70 | 19 | 95        | 5,14  |
| 45 H 200  | 43200045 | 45       | 5F    | 181,91         | 180,54         | 192                   | 80                 | 58,7 | 70 | 19 | 96        | 5,38  |
| 48 H 200  | 43200048 | 48       | 5F    | 194,03         | 192,67         | 200                   | 90                 | 58,7 | 75 | 24 | 100       | 6,29  |
| 50 H 200  | 43200050 | 50       | 4     | 202,13         | 200,75         | -                     | 90                 | 58,7 | 75 | 24 | -         | 6,68  |
| 52 H 200  | 43200052 | 52       | 4     | 210,21         | 208,84         | -                     | 90                 | 58,7 | 75 | 24 | -         | 6,81  |
| 58 H 200  | 43200058 | 58       | 4     | 234,47         | 233,09         | -                     | 90                 | 58,7 | 75 | 24 | -         | 7,26  |
| 60 H 200  | 43200060 | 60       | 4     | 242,55         | 241,18         | -                     | 120                | 58,7 | 75 | 24 | -         | 8,25  |
| 70 H 200  | 43200070 | 70       | 4     | 282,98         | 281,61         | -                     | 120                | 58,7 | 75 | 28 | -         | 9,20  |
| 72 H 200  | 43200072 | 72       | 4     | 291,06         | 289,69         | -                     | 120                | 58,7 | 75 | 28 | -         | 11,09 |
| 84 H 200  | 43200084 | 84       | 4     | 339,57         | 338,2          | -                     | 120                | 58,7 | 75 | 28 | -         | 12,63 |
| 96 H 200  | 43200096 | 96       | 4     | 388,09         | 386,71         | -                     | 120                | 58,7 | 75 | 28 | -         | 14,51 |
| 120 H 200 | 43200120 | 120      | 4     | 485,12         | 483,73         | -                     | 120                | 58,7 | 75 | 28 | -         | 19,15 |



## TYPE H 300

### FOR POSITIVE BELTS

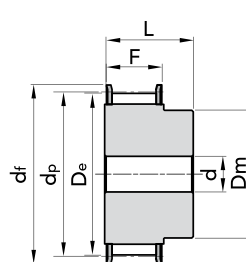
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

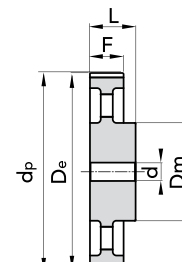
#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 4

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L   | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|-----|----|-----------|-------|
| 14 H 300  | 43300014 | 14       | 1F    | 56,59          | 55,22          | 64                    | 42                 | 85,7 | 100 | -  | 59        | 1,64  |
| 15 H 300  | 43300015 | 15       | 1F    | 60,64          | 59,27          | 66,5                  | 45                 | 85,7 | 100 | -  | 60        | 1,91  |
| 16 H 300  | 43300016 | 16       | 1F    | 64,67          | 63,31          | 70                    | 45                 | 85,7 | 100 | -  | 61        | 2,16  |
| 17 H 300  | 43300017 | 17       | 1F    | 68,72          | 67,35          | 75                    | 45                 | 85,7 | 100 | -  | 62        | 2,43  |
| 18 H 300  | 43300018 | 18       | 1F    | 72,77          | 71,39          | 79                    | 55                 | 85,7 | 100 | -  | 63        | 2,80  |
| 19 H 300  | 43300019 | 19       | 1F    | 76,81          | 75,44          | 82,5                  | 60                 | 85,7 | 100 | -  | 64        | 3,16  |
| 20 H 300  | 43300020 | 20       | 1F    | 80,85          | 79,48          | 87                    | 62                 | 85,7 | 100 | -  | 76        | 3,50  |
| 21 H 300  | 43300021 | 21       | 1F    | 84,89          | 83,52          | 91                    | 65                 | 85,7 | 100 | -  | 66        | 3,87  |
| 22 H 300  | 43300022 | 22       | 1F    | 88,93          | 87,56          | 94                    | 68                 | 85,7 | 100 | -  | 67        | 4,26  |
| 23 H 300  | 43300023 | 23       | 1F    | 92,98          | 91,61          | 97                    | 72                 | 85,7 | 100 | -  | 68        | 4,68  |
| 24 H 300  | 43300024 | 24       | 1F    | 97,03          | 95,65          | 102                   | 72                 | 85,7 | 100 | -  | 70        | 5,08  |
| 25 H 300  | 43300025 | 25       | 1F    | 101,06         | 99,69          | 106                   | 72                 | 85,7 | 100 | -  | 71        | 5,45  |
| 26 H 300  | 43300026 | 26       | 1F    | 105,11         | 103,73         | 112                   | 80                 | 85,7 | 100 | -  | 72        | 6,01  |
| 27 H 300  | 43300027 | 27       | 1F    | 109,15         | 107,78         | 115                   | 80                 | 85,7 | 100 | -  | 74        | 6,45  |
| 28 H 300  | 43300028 | 28       | 1F    | 113,18         | 111,82         | 120                   | 80                 | 85,7 | 100 | -  | 75        | 6,91  |
| 30 H 300  | 43300030 | 30       | 1F    | 121,29         | 119,90         | 128                   | 80                 | 85,7 | 100 | -  | 78        | 7,90  |
| 32 H 300  | 43300032 | 32       | 1F    | 129,30         | 127,99         | 135                   | 80                 | 85,7 | 100 | -  | 80        | 8,92  |
| 33 H 300  | 43300033 | 33       | 1F    | 133,40         | 132,03         | 142                   | 80                 | 85,7 | 100 | -  | 81        | 9,46  |
| 34 H 300  | 43300034 | 34       | 1F    | 137,45         | 136,07         | 142                   | 80                 | 85,7 | 100 | -  | 81        | 10,04 |
| 35 H 300  | 43300035 | 35       | 1F    | 141,49         | 140,12         | 150                   | 80                 | 85,7 | 100 | -  | 85        | 10,62 |
| 36 H 300  | 43300036 | 36       | 1F    | 145,54         | 144,16         | 150                   | 80                 | 85,7 | 100 | -  | 85        | 11,24 |
| 38 H 300  | 43300038 | 38       | 1F    | 153,62         | 152,24         | 158                   | 80                 | 85,7 | 100 | -  | 86        | 12,44 |
| 40 H 300  | 43300040 | 40       | 1F    | 161,70         | 160,33         | 168                   | 80                 | 85,7 | 100 | -  | 90        | 13,80 |
| 42 H 300  | 43300042 | 42       | 1F    | 169,79         | 168,41         | 180                   | 80                 | 85,7 | 100 | -  | 94        | 15,27 |
| 44 H 300  | 43300044 | 44       | 4     | 177,88         | 176,50         | -                     | 80                 | 85,7 | 100 | 24 | -         | 7,22  |
| 48 H 300  | 43300048 | 48       | 4     | 194,03         | 192,67         | -                     | 90                 | 85,7 | 100 | 24 | -         | 8,60  |
| 50 H 300  | 43300050 | 50       | 4     | 202,13         | 200,75         | -                     | 90                 | 85,7 | 100 | 24 | -         | 8,99  |
| 58 H 300  | 43300058 | 58       | 4     | 234,47         | 233,09         | -                     | 90                 | 85,7 | 100 | 24 | -         | 10,04 |
| 60 H 300  | 43300060 | 60       | 4     | 242,55         | 241,18         | -                     | 120                | 85,7 | 100 | 24 | -         | 11,18 |
| 72 H 300  | 43300072 | 72       | 4     | 291,06         | 289,69         | -                     | 120                | 85,7 | 100 | 28 | -         | 15,07 |
| 84 H 300  | 43300084 | 84       | 4     | 339,57         | 338,2          | -                     | 120                | 85,7 | 100 | 28 | -         | 16,97 |
| 96 H 300  | 43300096 | 96       | 4     | 388,09         | 386,71         | -                     | 120                | 85,7 | 100 | 28 | -         | 19,86 |
| 120 H 300 | 43300120 | 120      | 4     | 485,12         | 483,73         | -                     | 120                | 85,7 | 100 | 28 | -         | 25,91 |



## TYPE XH 200

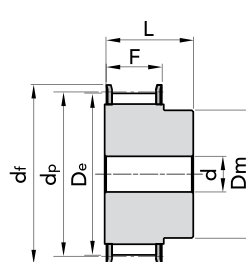
### FOR POSITIVE BELTS

PITCH 7/8" (22.22 mm)

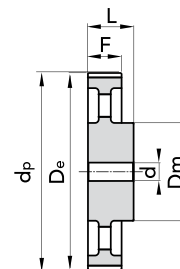
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L  | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----|-----------|-------|
| 18 XH 200 | 44200018 | 18       | 1F    | 127,34         | 124,55         | 140                   | 100                | 65,0 | 80 | 24 | 155       | 6,00  |
| 19 XH 200 | 44200019 | 19       | 1F    | 134,41         | 131,62         | 146                   | 100                | 65,0 | 80 | 24 | 156       | 6,60  |
| 20 XH 200 | 44200020 | 20       | 1F    | 141,49         | 138,69         | 155                   | 100                | 65,0 | 80 | 24 | 157       | 7,30  |
| 21 XH 200 | 44200021 | 21       | 1F    | 148,56         | 145,77         | 160                   | 110                | 65,0 | 80 | 24 | 158       | 8,73  |
| 22 XH 200 | 44200022 | 22       | 1F    | 155,64         | 152,84         | 170                   | 110                | 65,0 | 80 | 24 | 159       | 9,55  |
| 24 XH 200 | 44200024 | 24       | 1F    | 169,79         | 166,99         | 184                   | 120                | 65,0 | 80 | 24 | 161       | 11,47 |
| 25 XH 200 | 44200025 | 25       | 1F    | 176,86         | 174,07         | 188                   | 120                | 65,0 | 80 | 24 | 162       | 12,46 |
| 26 XH 200 | 44200026 | 26       | 1F    | 183,93         | 181,14         | 198                   | 120                | 65,0 | 80 | 24 | 163       | 13,47 |
| 27 XH 200 | 44200027 | 27       | 1F    | 191,01         | 188,22         | 205                   | 120                | 65,0 | 80 | 24 | 164       | 14,42 |
| 28 XH 200 | 44200028 | 28       | 1F    | 198,09         | 195,29         | 212                   | 120                | 65,0 | 80 | 24 | 165       | 15,44 |
| 30 XH 200 | 44200030 | 30       | 1F    | 212,23         | 209,44         | 227                   | 120                | 65,0 | 80 | 24 | 167       | 17,69 |
| 32 XH 200 | 44200032 | 32       | 1F    | 226,38         | 223,59         | 240                   | 120                | 65,0 | 80 | 24 | 169       | 19,95 |
| 34 XH 200 | 44200034 | 34       | 1F    | 240,53         | 237,74         | 256                   | 120                | 65,0 | 80 | 24 | 170       | 22,75 |



## TYPE XH 300

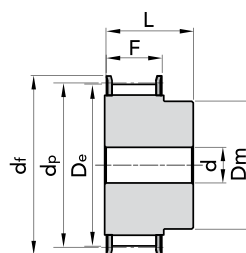
### FOR POSITIVE BELTS

PITCH 7/8" (22.22 mm)

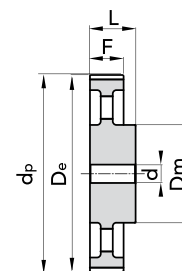
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L   | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|-----|----|-----------|-------|
| 18 XH 300 | 44300018 | 18       | 1F    | 127,34         | 124,55         | 140                   | 100                | 90,5 | 110 | 28 | 155       | 8,90  |
| 19 XH 300 | 44300019 | 19       | 1F    | 134,41         | 131,62         | 146                   | 100                | 90,5 | 110 | 28 | 156       | 9,20  |
| 20 XH 300 | 44300020 | 20       | 1F    | 141,49         | 138,69         | 155                   | 100                | 90,5 | 110 | 28 | 157       | 10,61 |
| 21 XH 300 | 44300021 | 21       | 1F    | 148,56         | 145,77         | 160                   | 110                | 90,5 | 110 | 28 | 158       | 11,87 |
| 22 XH 300 | 44300022 | 22       | 1F    | 155,64         | 152,84         | 170                   | 110                | 90,5 | 110 | 28 | 159       | 13,08 |
| 24 XH 300 | 44300024 | 24       | 1F    | 169,79         | 166,99         | 184                   | 120                | 90,5 | 110 | 28 | 161       | 15,77 |
| 25 XH 300 | 44300025 | 25       | 1F    | 176,86         | 174,07         | 188                   | 120                | 90,5 | 110 | 28 | 162       | 17,13 |
| 26 XH 300 | 44300026 | 26       | 1F    | 183,93         | 181,14         | 198                   | 120                | 90,5 | 110 | 28 | 163       | 18,55 |
| 27 XH 300 | 44300027 | 27       | 1F    | 191,01         | 188,22         | 205                   | 120                | 90,5 | 110 | 28 | 164       | 19,90 |
| 28 XH 300 | 44300028 | 28       | 1F    | 198,09         | 195,29         | 212                   | 150                | 90,5 | 110 | 28 | 165       | 22,27 |
| 30 XH 300 | 44300030 | 30       | 1F    | 212,23         | 209,44         | 227                   | 150                | 90,5 | 110 | 28 | 167       | 25,39 |
| 32 XH 300 | 44300032 | 32       | 1F    | 226,38         | 223,59         | 240                   | 150                | 90,5 | 110 | 28 | 169       | 28,73 |
| 34 XH 300 | 44300034 | 34       | 1F    | 240,53         | 237,74         | 256                   | 150                | 90,5 | 110 | 28 | 170       | 34,20 |



## TYPE XH 400

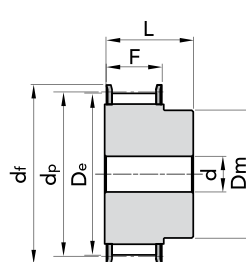
### FOR POSITIVE BELTS

PITCH 7/8" (22.22 mm)

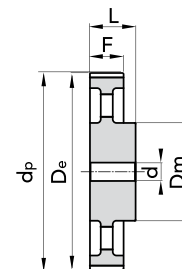
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE      | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F     | L   | d  | N. FLANGE | Kg    |
|-----------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|-------|-----|----|-----------|-------|
| 18 XH 400 | 44400018 | 18       | 1F    | 127,34         | 124,55         | 140                   | 100                | 118,0 | 132 | 32 | 155       | 9,60  |
| 19 XH 400 | 44400019 | 19       | 1F    | 134,41         | 131,62         | 146                   | 100                | 118,0 | 132 | 32 | 156       | 10,80 |
| 20 XH 400 | 44400020 | 20       | 1F    | 141,49         | 138,69         | 155                   | 100                | 118,0 | 132 | 32 | 157       | 12,87 |
| 21 XH 400 | 44400021 | 21       | 1F    | 148,56         | 145,77         | 160                   | 110                | 118,0 | 132 | 32 | 158       | 14,42 |
| 22 XH 400 | 44400022 | 22       | 1F    | 155,64         | 152,84         | 170                   | 110                | 118,0 | 132 | 32 | 159       | 15,44 |
| 24 XH 400 | 44400024 | 24       | 1F    | 169,79         | 166,99         | 184                   | 120                | 118,0 | 132 | 32 | 161       | 19,22 |
| 25 XH 400 | 44400025 | 25       | 1F    | 176,86         | 174,07         | 188                   | 120                | 118,0 | 132 | 32 | 162       | 21,05 |
| 26 XH 400 | 44400026 | 26       | 1F    | 183,93         | 181,14         | 198                   | 120                | 118,0 | 132 | 32 | 163       | 22,80 |
| 27 XH 400 | 44400027 | 27       | 1F    | 191,01         | 188,22         | 205                   | 120                | 118,0 | 132 | 32 | 164       | 24,66 |
| 28 XH 400 | 44400028 | 28       | 1F    | 198,09         | 195,29         | 212                   | 150                | 118,0 | 132 | 32 | 165       | 27,23 |
| 30 XH 400 | 44400030 | 30       | 1F    | 212,23         | 209,44         | 227                   | 150                | 118,0 | 132 | 32 | 167       | 31,30 |
| 32 XH 400 | 44400032 | 32       | 1F    | 226,38         | 223,59         | 240                   | 150                | 118,0 | 132 | 32 | 169       | 35,20 |
| 34 XH 400 | 44400034 | 34       | 1F    | 240,53         | 237,74         | 256                   | 150                | 118,0 | 132 | 32 | 170       | 40,00 |





## TYPE XXH 200

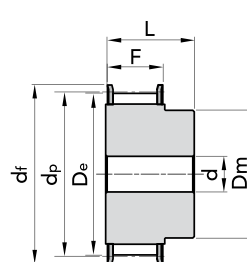
### FOR POSITIVE BELTS

PITCH 1" 1/4 (31.75 mm)

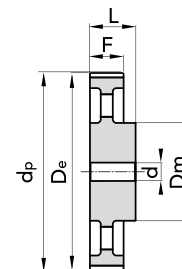
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE       | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L   | d  | N. FLANGE | Kg    |
|------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|-----|----|-----------|-------|
| 18 XXH 200 | 44600018 | 18       | 1F    | 181,91         | 178,87         | 198                   | 140                | 64,2 | 100 | 28 | 163       | 22,92 |
| 20 XXH 200 | 44600020 | 20       | 1F    | 202,13         | 199,08         | 212                   | 150                | 64,2 | 100 | 28 | 165       | 28,00 |
| 22 XXH 200 | 44600022 | 22       | 1F    | 222,34         | 219,29         | 240                   | 150                | 64,2 | 100 | 28 | 169       | 33,60 |
| 24 XXH 200 | 44600024 | 24       | 1F    | 242,55         | 239,50         | 267                   | 150                | 64,2 | 100 | 28 | 173       | 39,70 |
| 26 XXH 200 | 44600026 | 26       | 1F    | 262,76         | 259,79         | 290                   | 150                | 64,2 | 100 | 28 | 178       | 45,85 |

## TYPE XXH 300

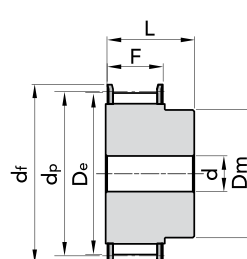
### FOR POSITIVE BELTS

PITCH 1" 1/4 (31.75 mm)

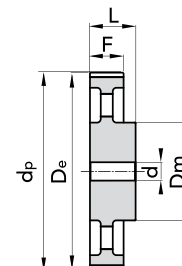
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE       | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F    | L   | d  | N. FLANGE | Kg    |
|------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|-----|----|-----------|-------|
| 18 XXH 300 | 44700018 | 18       | 1F    | 181,91         | 178,87         | 198                   | 140                | 91,4 | 110 | 28 | 163       | 25,15 |
| 20 XXH 300 | 44700020 | 20       | 1F    | 202,13         | 199,08         | 212                   | 150                | 91,4 | 110 | 28 | 165       | 30,72 |
| 22 XXH 300 | 44700022 | 22       | 1F    | 222,34         | 219,29         | 240                   | 150                | 91,4 | 110 | 28 | 169       | 36,86 |
| 24 XXH 300 | 44700024 | 24       | 1F    | 242,55         | 239,50         | 267                   | 150                | 91,4 | 110 | 28 | 173       | 43,55 |
| 26 XXH 300 | 44700026 | 26       | 1F    | 262,76         | 259,79         | 290                   | 150                | 91,4 | 110 | 28 | 178       | 50,80 |



## TYPE XXH 400

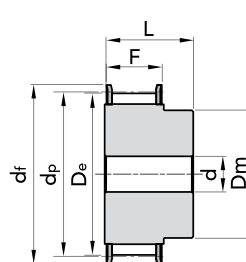
### FOR POSITIVE BELTS

PITCH 1" 1/4 (31.75 mm)

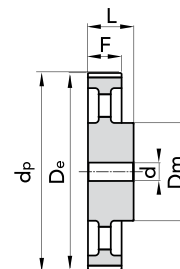
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE       | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F     | L   | d  | N. FLANGE | Kg    |
|------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|-------|-----|----|-----------|-------|
| 18 XXH 400 | 44800018 | 18       | 1F    | 181,91         | 178,87         | 198                   | 140                | 118,2 | 140 | 32 | 163       | 31,83 |
| 20 XXH 400 | 44800020 | 20       | 1F    | 202,13         | 199,08         | 212                   | 150                | 118,2 | 140 | 32 | 165       | 38,88 |
| 22 XXH 400 | 44800022 | 22       | 1F    | 222,34         | 219,29         | 240                   | 150                | 118,2 | 140 | 32 | 169       | 46,60 |
| 24 XXH 400 | 44800024 | 24       | 1F    | 242,55         | 239,50         | 267                   | 150                | 118,2 | 140 | 32 | 173       | 55,10 |
| 26 XXH 400 | 44800026 | 26       | 1F    | 262,76         | 259,79         | 290                   | 150                | 118,2 | 140 | 32 | 178       | 64,25 |

## TYPE XXH 500

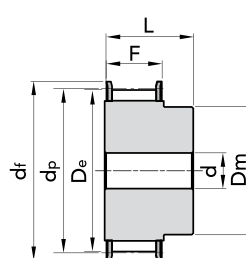
### FOR POSITIVE BELTS

PITCH 1" 1/4 (31.75 mm)

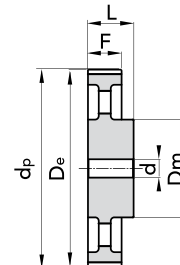
Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083



EXEC. 1F



EXEC. 4

| TYPE       | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F     | L   | d  | N. FLANGE | Kg    |
|------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|-------|-----|----|-----------|-------|
| 18 XXH 500 | 44900018 | 18       | 1F    | 181,91         | 178,87         | 198                   | 140                | 145,3 | 168 | 32 | 163       | 38,00 |
| 20 XXH 500 | 44900020 | 20       | 1F    | 202,13         | 199,08         | 212                   | 150                | 145,3 | 168 | 32 | 165       | 44,05 |
| 22 XXH 500 | 44900022 | 22       | 1F    | 222,34         | 219,29         | 240                   | 150                | 145,3 | 168 | 32 | 169       | 55,80 |
| 24 XXH 500 | 44900024 | 24       | 1F    | 242,55         | 239,50         | 267                   | 150                | 145,3 | 168 | 32 | 173       | 62,90 |
| 26 XXH 500 | 44900026 | 26       | 1F    | 262,76         | 259,79         | 290                   | 150                | 145,3 | 168 | 32 | 178       | 73,60 |





## TYPE L 050

FOR POSITIVE BELTS

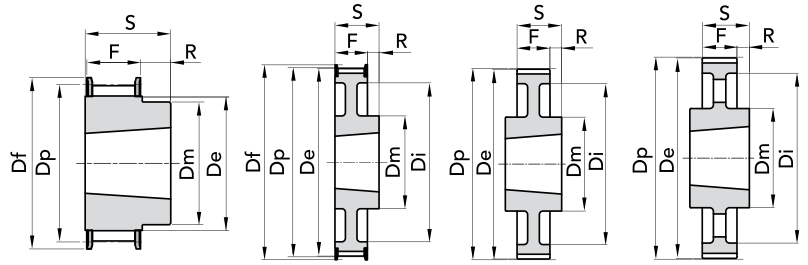
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 2F

EXEC. 3

EXEC. 4

| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R   | N. FLANGE | Kg   |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|-----|-----------|------|
| TL 18 L 050  | 42050418 | 1F    | 1108  | 28       | 54,57          | 53,81          | 60                    | 45,00              | -              | 19,0 | 22,0 | 3,0 | 58        | 0,20 |
| TL 19 L 050  | 42050419 | 1F    | 1108  | 28       | 57,61          | 56,84          | 64                    | 45                 | -              | 19,0 | 22,0 | 3,0 | 59        | 0,23 |
| TL 20 L 050  | 42050420 | 1F    | 1108  | 28       | 60,64          | 59,88          | 66,5                  | 48                 | -              | 19,0 | 22,0 | 3,0 | 60        | 0,27 |
| TL 21 L 050  | 42050421 | 1F    | 1108  | 28       | 63,67          | 62,91          | 70                    | 48                 | -              | 19,0 | 22,0 | 3,0 | 61        | 0,30 |
| TL 22 L 050  | 42050422 | 1F    | 1108  | 28       | 66,70          | 65,94          | 75                    | 51                 | -              | 19,0 | 22,0 | 3,0 | 62        | 0,34 |
| TL 23 L 050  | 42050423 | 1F    | 1108  | 28       | 69,73          | 68,97          | 79                    | 54                 | -              | 19,0 | 22,0 | 3,0 | 63        | 0,40 |
| TL 24 L 050  | 42050424 | 1F    | 1108  | 28       | 72,77          | 72,00          | 79                    | 54                 | -              | 19,0 | 22,0 | 3,0 | 63        | 0,45 |
| TL 25 L 050  | 42050425 | 1F    | 1108  | 28       | 75,80          | 75,04          | 82,5                  | 56                 | -              | 19,0 | 22,0 | 3,0 | 64        | 0,50 |
| TL 26 L 050  | 42050426 | 1F    | 1108  | 28       | 78,83          | 78,07          | 86                    | 60                 | -              | 19,0 | 22,0 | 3,0 | 65        | 0,55 |
| TL 27 L 050  | 42050427 | 1F    | 1108  | 28       | 81,86          | 81,10          | 86                    | 62                 | -              | 19,0 | 22,0 | 3,0 | 65        | 0,60 |
| TL 28 L 050  | 42050428 | 1F    | 1108  | 28       | 84,89          | 84,13          | 91                    | 65                 | -              | 19,0 | 22,0 | 3,0 | 66        | 0,65 |
| TL 30 L 050  | 42050430 | 1F    | 1108  | 28       | 90,96          | 90,20          | 97                    | 70                 | -              | 19,0 | 22,0 | 3,0 | 68        | 0,80 |
| TL 32 L 050  | 42050432 | 1F    | 1108  | 28       | 97,02          | 96,26          | 102                   | 74                 | -              | 19,0 | 22,0 | 3,0 | 70        | 0,98 |
| TL 36 L 050  | 42050436 | 1F    | 1108  | 28       | 109,15         | 108,39         | 115                   | 85                 | -              | 19,0 | 22,0 | 3,0 | 74        | 1,20 |
| TL 40 L 050  | 42050440 | 1F    | 1610  | 42       | 121,28         | 120,51         | 128                   | 97                 | -              | 19,0 | 25,0 | 6,0 | 78        | 1,40 |
| TL 44 L 050  | 42050444 | 2F    | 1610  | 42       | 133,40         | 132,64         | 142                   | 88                 | 110            | 19,0 | 25,0 | 6,0 | 81        | 2,10 |
| TL 48 L 050  | 42050448 | 2F    | 1610  | 42       | 145,53         | 147,77         | 150                   | 88                 | 120            | 19,0 | 25,0 | 6,0 | 85        | 2,30 |
| TL 60 L 050  | 42050460 | 3     | 1610  | 42       | 181,91         | 181,15         | -                     | 92                 | 166            | 19,0 | 25,0 | 3,0 | -         | 2,20 |
| TL 72 L 050  | 42050472 | 4     | 1610  | 42       | 218,30         | 217,53         | -                     | 92                 | 202            | 19,0 | 25,0 | 3,0 | -         | 2,10 |
| TL 84 L 050  | 42050484 | 4     | 1610  | 42       | 254,68         | 253,90         | -                     | 92                 | 236            | 19,0 | 25,0 | 3,0 | -         | 2,46 |
| TL 96 L 050  | 42050496 | 4     | 2012  | 50       | 291,06         | 290,30         | -                     | 106                | 270            | 19,0 | 32,0 | 6,5 | -         | 3,36 |
| TL 120 L 050 | 42050520 | 4     | 2012  | 50       | 363,83         | 363,07         | -                     | 106                | 343            | 19,0 | 32,0 | 6,5 | -         | 4,44 |



## TYPE L 075

### FOR POSITIVE BELTS

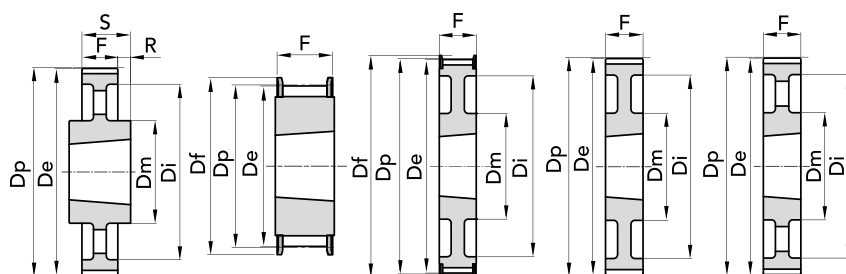
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 4

EXEC. 5F

EXEC. 6F

EXEC. 7

EXEC. 8

| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R   | N. FLANGE | Kg   |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|-----|-----------|------|
| TL 18 L 075  | 42075418 | 5F    | 1108  | 28       | 54,57          | 53,81          | 60                    | -                  | -              | 25,0 | 25,0 | -   | 58        | 0,25 |
| TL 19 L 075  | 42075419 | 5F    | 1108  | 28       | 57,61          | 56,84          | 64                    | -                  | -              | 25,0 | 25,0 | -   | 59        | 0,32 |
| TL 20 L 075  | 42075420 | 5F    | 1108  | 28       | 60,64          | 59,88          | 66,5                  | -                  | -              | 25,0 | 25,0 | -   | 60        | 0,35 |
| TL 21 L 075  | 42075421 | 5F    | 1108  | 28       | 63,67          | 62,91          | 70                    | -                  | -              | 25,0 | 25,0 | -   | 61        | 0,40 |
| TL 22 L 075  | 42075422 | 5F    | 1108  | 28       | 66,70          | 65,94          | 75                    | -                  | -              | 25,0 | 25,0 | -   | 62        | 0,44 |
| TL 23 L 075  | 42075423 | 5F    | 1108  | 28       | 69,73          | 68,97          | 79                    | -                  | -              | 25,0 | 25,0 | -   | 63        | 0,48 |
| TL 24 L 075  | 42075424 | 5F    | 1108  | 28       | 72,77          | 72,00          | 79                    | -                  | -              | 25,0 | 25,0 | -   | 63        | 0,55 |
| TL 25 L 075  | 42075425 | 5F    | 1108  | 28       | 75,80          | 75,04          | 82,5                  | -                  | -              | 25,0 | 25,0 | -   | 64        | 0,63 |
| TL 26 L 075  | 42075426 | 5F    | 1108  | 28       | 78,83          | 78,07          | 86                    | -                  | -              | 25,0 | 25,0 | -   | 65        | 0,66 |
| TL 27 L 075  | 42075427 | 5F    | 1108  | 28       | 81,86          | 81,10          | 86                    | -                  | -              | 25,0 | 25,0 | -   | 65        | 0,70 |
| TL 28 L 075  | 42075428 | 5F    | 1108  | 28       | 84,89          | 84,13          | 91                    | -                  | -              | 25,0 | 25,0 | -   | 66        | 0,72 |
| TL 30 L 075  | 42075430 | 5F    | 1108  | 28       | 90,96          | 90,20          | 97                    | -                  | -              | 25,0 | 25,0 | -   | 68        | 0,93 |
| TL 32 L 075  | 42075432 | 5F    | 1108  | 28       | 97,02          | 96,26          | 102                   | -                  | -              | 25,0 | 25,0 | -   | 70        | 1,10 |
| TL 36 L 075  | 42075436 | 5F    | 1610  | 42       | 109,15         | 108,39         | 115                   | -                  | -              | 25,0 | 25,0 | -   | 74        | 1,20 |
| TL 40 L 075  | 42075440 | 5F    | 1610  | 42       | 121,28         | 120,51         | 128                   | -                  | -              | 25,0 | 25,0 | -   | 78        | 1,70 |
| TL 44 L 075  | 42075444 | 6F    | 1610  | 42       | 133,40         | 132,64         | 142                   | 90                 | 110            | 25,0 | 25,0 | -   | 81        | 2,50 |
| TL 48 L 075  | 42075448 | 6F    | 1610  | 42       | 145,53         | 147,77         | 150                   | 92                 | 120            | 25,0 | 25,0 | -   | 85        | 2,60 |
| TL 60 L 075  | 42075460 | 7     | 1610  | 42       | 181,91         | 181,15         | -                     | 92                 | 166            | 25,0 | 25,0 | -   | -         | 3,00 |
| TL 72 L 075  | 42075472 | 8     | 1610  | 42       | 218,30         | 217,53         | -                     | 92                 | 202            | 25,0 | 25,0 | -   | -         | 2,33 |
| TL 84 L 075  | 42075484 | 4     | 2012  | 50       | 254,68         | 253,90         | -                     | 106                | 236            | 25,0 | 32,0 | 3,5 | -         | 3,55 |
| TL 96 L 075  | 42075496 | 4     | 2012  | 50       | 291,06         | 290,30         | -                     | 106                | 270            | 25,0 | 32,0 | 3,5 | -         | 3,95 |
| TL 120 L 075 | 42075520 | 4     | 2012  | 50       | 363,83         | 363,07         | -                     | 106                | 343            | 25,0 | 32,0 | 3,5 | -         | 5,61 |





# TYPE L 100

## FOR POSITIVE BELTS

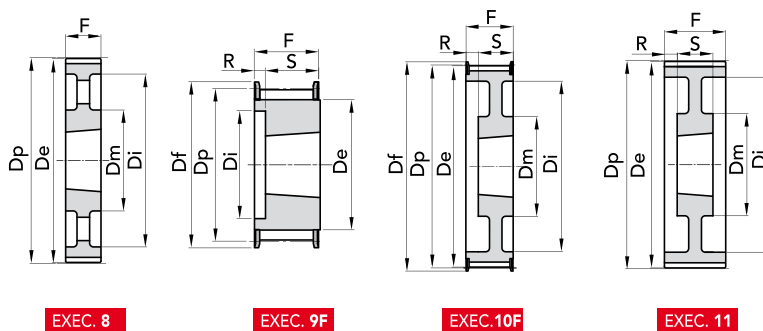
PITCH 3/8" (9.52 mm)

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R    | N. FLANGE | Kg   |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|------|-----------|------|
| TL 18 L 100  | 42100418 | 9F    | 1108  | 28       | 54,57          | 53,81          | 60                    | -                  | 38             | 31,0 | 22,0 | 9,0  | 58        | 0,20 |
| TL 19 L 100  | 42100419 | 9F    | 1108  | 28       | 57,61          | 56,84          | 64                    | -                  | 38             | 31,0 | 22,0 | 9,0  | 59        | 0,32 |
| TL 20 L 100  | 42100420 | 9F    | 1108  | 28       | 60,64          | 59,88          | 66,5                  | -                  | 45             | 31,0 | 22,0 | 9,0  | 60        | 0,41 |
| TL 21 L 100  | 42100421 | 9F    | 1108  | 28       | 63,67          | 62,91          | 70                    | -                  | 45             | 31,0 | 22,0 | 9,0  | 61        | 0,45 |
| TL 22 L 100  | 42100422 | 9F    | 1108  | 28       | 66,70          | 65,94          | 75                    | -                  | 48             | 31,0 | 22,0 | 9,0  | 62        | 0,47 |
| TL 23 L 100  | 42100423 | 9F    | 1108  | 28       | 69,73          | 68,97          | 79                    | -                  | 52             | 32,0 | 22,0 | 10,0 | 63        | 0,50 |
| TL 24 L 100  | 42100424 | 9F    | 1108  | 28       | 72,77          | 72,00          | 79                    | -                  | 52             | 32,0 | 22,0 | 10,0 | 63        | 0,64 |
| TL 25 L 100  | 42100425 | 9F    | 1108  | 28       | 75,80          | 75,04          | 82,5                  | -                  | 54             | 32,0 | 22,0 | 10,0 | 64        | 0,68 |
| TL 26 L 100  | 42100426 | 9F    | 1108  | 28       | 78,83          | 78,07          | 86                    | -                  | 60             | 32,0 | 22,0 | 10,0 | 65        | 0,70 |
| TL 27 L 100  | 42100427 | 9F    | 1108  | 28       | 81,86          | 81,10          | 86                    | -                  | 60             | 32,0 | 22,0 | 10,0 | 65        | 0,83 |
| TL 28 L 100  | 42100428 | 9F    | 1108  | 28       | 84,89          | 84,13          | 91                    | -                  | 65             | 32,0 | 22,0 | 10,0 | 66        | 0,85 |
| TL 30 L 100  | 42100430 | 9F    | 1210  | 32       | 90,96          | 90,20          | 97                    | -                  | 71             | 32,0 | 25,0 | 7,0  | 68        | 0,90 |
| TL 32 L 100  | 42100432 | 9F    | 1210  | 32       | 97,02          | 96,26          | 102                   | -                  | 75             | 32,0 | 25,0 | 7,0  | 70        | 1,05 |
| TL 36 L 100  | 42100436 | 9F    | 1610  | 42       | 109,15         | 108,39         | 115                   | -                  | 86             | 32,0 | 25,0 | 7,0  | 74        | 1,40 |
| TL 40 L 100  | 42100440 | 9F    | 1610  | 42       | 121,28         | 120,51         | 128                   | -                  | 96             | 32,0 | 25,0 | 7,0  | 78        | 1,65 |
| TL 44 L 100  | 42100444 | 10F   | 1610  | 42       | 133,40         | 132,64         | 142                   | 90                 | 110            | 32,0 | 25,0 | 7,0  | 81        | 2,70 |
| TL 48 L 100  | 42100448 | 10F   | 1610  | 42       | 145,53         | 144,77         | 150                   | 92                 | 120            | 32,0 | 25,0 | 7,0  | 85        | 2,80 |
| TL 60 L 100  | 42100460 | 11    | 1610  | 42       | 181,91         | 181,15         | -                     | 92                 | 166            | 32,0 | 25,0 | 3,5  | -         | 2,70 |
| TL 72 L 100  | 42100472 | 8     | 2012  | 50       | 218,30         | 217,53         | -                     | 106                | 202            | 32,0 | 32,0 | -    | -         | 2,96 |
| TL 84 L 100  | 42100484 | 8     | 2012  | 50       | 254,68         | 253,90         | -                     | 106                | 236            | 32,0 | 32,0 | -    | -         | 3,87 |
| TL 96 L 100  | 42100496 | 8     | 2012  | 50       | 291,06         | 290,30         | -                     | 106                | 270            | 32,0 | 32,0 | -    | -         | 4,64 |
| TL 120 L 100 | 42100520 | 8     | 2012  | 50       | 363,83         | 363,07         | -                     | 106                | 343            | 32,0 | 32,0 | -    | -         | 6,37 |



## TYPE H 100

### FOR POSITIVE BELTS

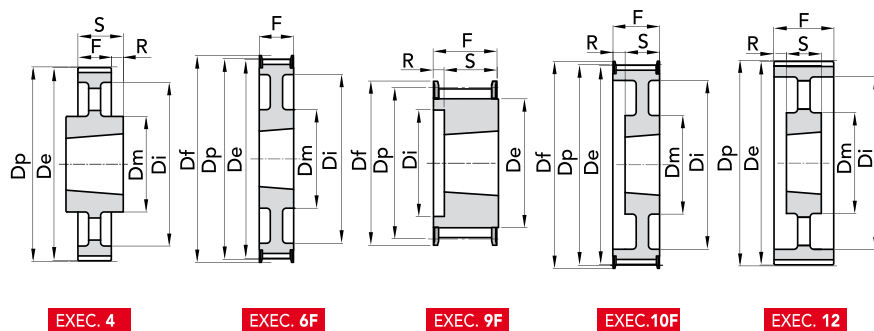
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

**MATERIAL**

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R   | N. FLANGE | Kg    |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|-----|-----------|-------|
| TL 16 H 100  | 43100416 | 9F    | 1108  | 28       | 64,68          | 63,31          | 70                    | -                  | 45             | 31,0 | 22,0 | 9,0 | 61        | 0,42  |
| TL 18 H 100  | 43100418 | 9F    | 1210  | 32       | 72,77          | 71,39          | 79                    | -                  | 52             | 31,0 | 25,0 | 6,0 | 63        | 0,49  |
| TL 19 H 100  | 43100419 | 9F    | 1210  | 32       | 76,81          | 74,44          | 82,5                  | -                  | 56             | 31,0 | 25,0 | 6,0 | 64        | 0,62  |
| TL 20 H 100  | 43100420 | 9F    | 1210  | 32       | 80,55          | 79,48          | 87                    | -                  | 60             | 31,0 | 25,0 | 6,0 | 76        | 0,73  |
| TL 21 H 100  | 43100421 | 9F    | 1210  | 32       | 84,89          | 83,52          | 91                    | -                  | 64             | 32,0 | 25,0 | 7,0 | 66        | 0,80  |
| TL 22 H 100  | 43100422 | 9F    | 1210  | 32       | 88,94          | 87,56          | 94                    | -                  | 67             | 32,0 | 25,0 | 7,0 | 67        | 0,94  |
| TL 23 H 100  | 43100423 | 9F    | 1610  | 42       | 92,98          | 91,61          | 97                    | -                  | 70             | 32,0 | 25,0 | 7,0 | 68        | 0,97  |
| TL 24 H 100  | 43100424 | 9F    | 1610  | 42       | 97,02          | 95,65          | 102                   | -                  | 73,5           | 32,0 | 25,0 | 7,0 | 70        | 1,05  |
| TL 25 H 100  | 43100425 | 9F    | 1610  | 42       | 101,06         | 99,69          | 106                   | -                  | 77             | 32,0 | 25,0 | 7,0 | 71        | 1,10  |
| TL 26 H 100  | 43100426 | 9F    | 1610  | 42       | 105,11         | 103,73         | 112                   | -                  | 82             | 32,0 | 25,0 | 7,0 | 72        | 1,20  |
| TL 27 H 100  | 43100427 | 9F    | 1610  | 42       | 109,15         | 107,78         | 115                   | -                  | 85             | 32,0 | 25,0 | 7,0 | 74        | 1,35  |
| TL 28 H 100  | 43100428 | 9F    | 1610  | 42       | 113,19         | 111,82         | 120                   | -                  | 90,5           | 32,0 | 25,0 | 7,0 | 75        | 1,50  |
| TL 30 H 100  | 43100430 | 9F    | 1610  | 42       | 121,28         | 119,90         | 128                   | -                  | 98             | 32,0 | 25,0 | 7,0 | 78        | 1,78  |
| TL 32 H 100  | 43100432 | 10F   | 1610  | 42       | 129,36         | 127,99         | 135                   | 80                 | 106            | 32,0 | 25,0 | 7,0 | 80        | 2,05  |
| TL 36 H 100  | 43100436 | 10F   | 1610  | 42       | 145,53         | 144,16         | 150                   | 92                 | 121            | 32,0 | 25,0 | 7,0 | 85        | 2,80  |
| TL 40 H 100  | 43100440 | 10F   | 1610  | 42       | 161,70         | 160,33         | 168                   | 92                 | 138            | 32,0 | 25,0 | 7,0 | 90        | 3,65  |
| TL 44 H 100  | 43100444 | 6F    | 2012  | 50       | 177,87         | 176,50         | 184                   | 106                | 152            | 32,0 | 32,0 | -   | 95        | 3,86  |
| TL 48 H 100  | 43100448 | 6F    | 2012  | 50       | 194,04         | 192,67         | 200                   | 106                | 169            | 32,0 | 32,0 | -   | 100       | 4,20  |
| TL 60 H 100  | 43100460 | 12    | 2012  | 50       | 242,55         | 241,18         | -                     | 106                | 223            | 34,0 | 32,0 | 1,0 | -         | 3,76  |
| TL 72 H 100  | 43100472 | 12    | 2012  | 50       | 291,06         | 289,69         | -                     | 106                | 270            | 34,0 | 32,0 | 1,0 | -         | 4,88  |
| TL 84 H 100  | 43100484 | 12    | 2012  | 50       | 339,57         | 338,20         | -                     | 106                | 318            | 34,0 | 32,0 | 1,0 | -         | 6,12  |
| TL 96 H 100  | 43100496 | 4     | 2517  | 65       | 388,08         | 386,71         | -                     | 119                | 366            | 34,0 | 45,0 | 5,5 | -         | 7,95  |
| TL 120 H 100 | 43100520 | 4     | 2517  | 65       | 485,10         | 483,73         | -                     | 119                | 462            | 34,0 | 45,0 | 5,5 | -         | 10,05 |



# TYPE H 150

FOR POSITIVE BELTS

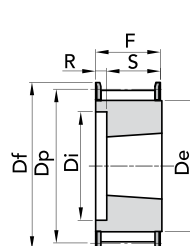
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

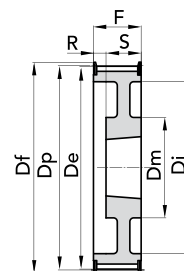
**MATERIAL**

C45 EN 10083

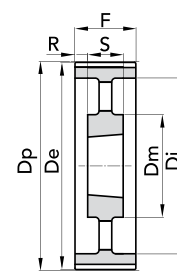
CAST-IRON G20/25 EN 1561



EXEC. 9F



EXEC. 10F



EXEC. 12

| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R    | N. FLANGE | Kg   |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|------|-----------|------|
| TL 18 H 150  | 43150418 | 9F    | 1210  | 32       | 72,77          | 71,39          | 79                    | -                  | 52             | 45,0 | 25,0 | 20,0 | 63        | 0,60 |
| TL 19 H 150  | 43150419 | 9F    | 1210  | 32       | 76,81          | 74,44          | 82,5                  | -                  | 56             | 45,0 | 25,0 | 20,0 | 64        | 0,72 |
| TL 20 H 150  | 43150420 | 9F    | 1210  | 32       | 80,55          | 79,48          | 87                    | -                  | 60             | 45,0 | 25,0 | 20,0 | 76        | 0,83 |
| TL 21 H 150  | 43150421 | 9F    | 1210  | 32       | 84,89          | 83,52          | 91                    | -                  | 64             | 45,0 | 25,0 | 20,0 | 66        | 1,00 |
| TL 22 H 150  | 43150422 | 9F    | 1210  | 32       | 88,94          | 87,56          | 94                    | -                  | 67             | 45,0 | 25,0 | 20,0 | 67        | 1,25 |
| TL 23 H 150  | 43150423 | 9F    | 1610  | 42       | 92,98          | 91,61          | 97                    | -                  | 70             | 45,0 | 25,0 | 20,0 | 68        | 1,05 |
| TL 24 H 150  | 43150424 | 9F    | 1610  | 42       | 97,02          | 95,65          | 102                   | -                  | 73,5           | 45,0 | 25,0 | 20,0 | 70        | 1,10 |
| TL 25 H 150  | 43150425 | 9F    | 1610  | 42       | 101,06         | 99,69          | 106                   | -                  | 77             | 45,0 | 25,0 | 20,0 | 71        | 1,30 |
| TL 26 H 150  | 43150426 | 9F    | 1610  | 42       | 105,11         | 103,73         | 112                   | -                  | 82             | 45,0 | 25,0 | 20,0 | 72        | 1,42 |
| TL 27 H 150  | 43150427 | 9F    | 1610  | 42       | 109,15         | 107,78         | 115                   | -                  | 85             | 45,0 | 25,0 | 20,0 | 74        | 1,65 |
| TL 28 H 150  | 43150428 | 9F    | 1610  | 42       | 113,19         | 111,82         | 120                   | -                  | 90,5           | 45,0 | 25,0 | 20,0 | 75        | 1,88 |
| TL 30 H 150  | 43150430 | 9F    | 1610  | 42       | 121,28         | 119,90         | 128                   | -                  | 98             | 45,0 | 25,0 | 20,0 | 78        | 2,05 |
| TL 32 H 150  | 43150432 | 10F   | 1610  | 42       | 129,36         | 127,99         | 135                   | 80                 | 106            | 45,0 | 25,0 | 20,0 | 80        | 2,35 |
| TL 36 H 150  | 43150436 | 10F   | 1610  | 42       | 145,53         | 144,16         | 150                   | 92                 | 121            | 45,0 | 25,0 | 20,0 | 85        | 3,20 |
| TL 40 H 150  | 43150440 | 10F   | 1610  | 42       | 161,70         | 160,33         | 168                   | 92                 | 138            | 45,0 | 25,0 | 20,0 | 90        | 4,10 |
| TL 44 H 150  | 43150444 | 10F   | 2012  | 50       | 177,87         | 176,50         | 184                   | 106                | 152            | 45,0 | 32,0 | 13,0 | 95        | 4,50 |
| TL 48 H 150  | 43150448 | 10F   | 2012  | 50       | 194,04         | 192,67         | 200                   | 106                | 169            | 45,0 | 32,0 | 13,0 | 100       | 4,80 |
| TL 60 H 150  | 43150460 | 12    | 2012  | 50       | 242,55         | 241,18         | -                     | 106                | 223            | 46,0 | 32,0 | 7,0  | -         | 4,51 |
| TL 72 H 150  | 43150472 | 12    | 2012  | 50       | 291,06         | 289,69         | -                     | 106                | 270            | 46,0 | 32,0 | 7,0  | -         | 6,16 |
| TL 84 H 150  | 43150484 | 12    | 2012  | 50       | 339,57         | 338,20         | -                     | 106                | 318            | 46,0 | 32,0 | 7,0  | -         | 7,40 |
| TL 96 H 150  | 43150496 | 12    | 2517  | 65       | 388,08         | 386,71         | -                     | 119                | 366            | 46,0 | 45,0 | 0,5  | -         | 9,87 |
| TL 120 H 150 | 43150520 | 12    | 2517  | 65       | 485,10         | 483,73         | -                     | 119                | 462            | 46,0 | 45,0 | 0,5  | -         | 13,5 |



## TYPE H 200

### FOR POSITIVE BELTS

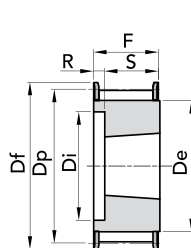
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

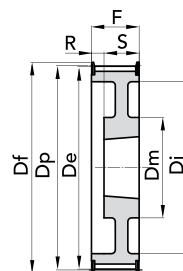
#### MATERIAL

C45 EN 10083

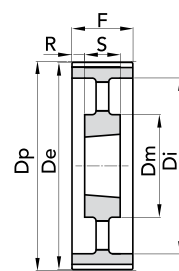
CAST-IRON G20/25 EN 1561



EXEC. 9F



EXEC. 10F



EXEC. 12

| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R    | N. FLANGE | Kg    |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|------|-----------|-------|
| TL 18 H 200  | 43200418 | 9F    | 1210  | 32       | 72,77          | 71,39          | 79                    | -                  | 52             | 58,0 | 25,0 | 33,0 | 63        | 0,84  |
| TL 19 H 200  | 43200419 | 9F    | 1210  | 32       | 76,81          | 74,44          | 82,5                  | -                  | 56             | 58,0 | 25,0 | 33,0 | 64        | 0,96  |
| TL 20 H 200  | 43200420 | 9F    | 1610  | 42       | 80,55          | 79,48          | 87                    | -                  | 62             | 58,0 | 25,0 | 33,0 | 76        | 0,93  |
| TL 21 H 200  | 43200421 | 9F    | 1610  | 42       | 84,89          | 83,52          | 91                    | -                  | 64             | 58,0 | 25,0 | 33,0 | 66        | 1,07  |
| TL 22 H 200  | 43200422 | 9F    | 1610  | 42       | 88,94          | 87,56          | 94                    | -                  | 67             | 58,0 | 25,0 | 33,0 | 67        | 1,25  |
| TL 23 H 200  | 43200423 | 9F    | 1610  | 42       | 92,98          | 91,61          | 97                    | -                  | 70             | 58,0 | 25,0 | 33,0 | 68        | 1,40  |
| TL 24 H 200  | 43200424 | 9F    | 1610  | 42       | 97,02          | 95,65          | 102                   | -                  | 73,5           | 58,0 | 25,0 | 33,0 | 70        | 1,55  |
| TL 25 H 200  | 43200425 | 9F    | 1610  | 42       | 101,06         | 99,69          | 106                   | -                  | 77             | 58,0 | 25,0 | 33,0 | 71        | 1,71  |
| TL 26 H 200  | 43200426 | 9F    | 1610  | 42       | 105,11         | 103,73         | 112                   | -                  | 82             | 58,0 | 25,0 | 33,0 | 72        | 1,84  |
| TL 27 H 200  | 43200427 | 9F    | 1610  | 42       | 109,15         | 107,78         | 115                   | -                  | 85             | 58,0 | 25,0 | 33,0 | 74        | 2,06  |
| TL 28 H 200  | 43200428 | 9F    | 1610  | 42       | 113,19         | 111,82         | 120                   | -                  | 90,5           | 58,0 | 25,0 | 33,0 | 75        | 2,17  |
| TL 30 H 200  | 43200430 | 9F    | 1610  | 42       | 121,28         | 119,90         | 128                   | -                  | 98             | 58,0 | 25,0 | 33,0 | 78        | 2,60  |
| TL 32 H 200  | 43200432 | 9F    | 2012  | 50       | 129,36         | 127,99         | 135                   | -                  | 106            | 58,0 | 32,0 | 26,0 | 80        | 2,95  |
| TL 36 H 200  | 43200436 | 10F   | 2012  | 50       | 145,53         | 144,16         | 150                   | 102                | 121            | 58,0 | 32,0 | 26,0 | 85        | 3,62  |
| TL 40 H 200  | 43200440 | 10F   | 2012  | 50       | 161,70         | 160,33         | 168                   | 106                | 138            | 58,0 | 32,0 | 26,0 | 90        | 4,33  |
| TL 44 H 200  | 43200444 | 10F   | 2012  | 50       | 177,87         | 176,50         | 184                   | 106                | 152            | 58,0 | 32,0 | 26,0 | 95        | 5,33  |
| TL 48 H 200  | 43200448 | 10F   | 2517  | 65       | 194,04         | 192,67         | 200                   | 119                | 168            | 58,0 | 45,0 | 13,0 | 100       | 6,47  |
| TL 60 H 200  | 43200460 | 12    | 2517  | 65       | 242,55         | 241,18         | -                     | 119                | 223            | 60,0 | 45,0 | 7,5  | -         | 5,86  |
| TL 72 H 200  | 43200472 | 12    | 2517  | 65       | 291,06         | 289,69         | -                     | 119                | 270            | 60,0 | 45,0 | 7,5  | -         | 7,42  |
| TL 84 H 200  | 43200484 | 12    | 2517  | 65       | 339,57         | 338,20         | -                     | 119                | 320            | 60,0 | 45,0 | 7,5  | -         | 8,73  |
| TL 96 H 200  | 43200496 | 12    | 2517  | 65       | 388,08         | 386,71         | -                     | 119                | 366            | 60,0 | 45,0 | 7,5  | -         | 10,83 |
| TL 120 H 200 | 43200520 | 12    | 2517  | 65       | 485,10         | 483,73         | -                     | 119                | 462            | 60,0 | 45,0 | 7,5  | -         | 14,95 |





# TYPE H 300

## FOR POSITIVE BELTS

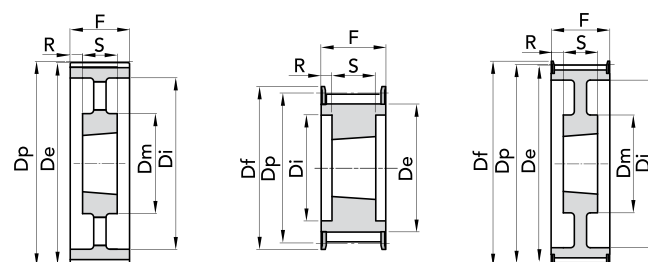
PITCH 1/2" (12.7 mm)

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 12

EXEC. 13F

EXEC. 14F

| TYPE         | CODE     | EXEC. | BUSH. | BORE MAX | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | S    | R    | N. FLANGE | Kg    |
|--------------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|----------------|------|------|------|-----------|-------|
| TL 20 H 300  | 43300420 | 13F   | 1615  | 42       | 80,85          | 79,48          | 87                    | -                  | 64,5           | 84,0 | 38,0 | 23,0 | 76        | 1,22  |
| TL 21 H 300  | 43300421 | 13F   | 1615  | 42       | 84,89          | 83,52          | 91                    | -                  | 65             | 84,0 | 38,0 | 23,0 | 66        | 1,52  |
| TL 22 H 300  | 43300422 | 13F   | 1615  | 42       | 88,94          | 87,56          | 94                    | -                  | 67             | 84,0 | 38,0 | 23,0 | 67        | 1,80  |
| TL 23 H 300  | 43300423 | 13F   | 1615  | 42       | 92,98          | 91,61          | 97                    | -                  | 70             | 84,0 | 38,0 | 23,0 | 68        | 2,04  |
| TL 24 H 300  | 43300424 | 13F   | 1615  | 42       | 97,02          | 95,65          | 102                   | -                  | 73,5           | 84,0 | 38,0 | 23,0 | 70        | 2,29  |
| TL 25 H 300  | 43300425 | 13F   | 1615  | 42       | 101,06         | 99,69          | 106                   | -                  | 77             | 84,0 | 38,0 | 23,0 | 71        | 2,54  |
| TL 26 H 300  | 43300426 | 13F   | 1615  | 42       | 105,11         | 103,73         | 112                   | -                  | 82             | 84,0 | 38,0 | 23,0 | 72        | 2,73  |
| TL 27 H 300  | 43300427 | 13F   | 2012  | 50       | 109,15         | 107,78         | 115                   | -                  | 85             | 84,0 | 32,0 | 26,0 | 74        | 2,54  |
| TL 28 H 300  | 43300428 | 13F   | 2012  | 50       | 113,19         | 111,82         | 120                   | -                  | 90,5           | 84,0 | 32,0 | 26,0 | 75        | 2,68  |
| TL 30 H 300  | 43300430 | 13F   | 2012  | 65       | 121,28         | 119,90         | 128                   | -                  | 98             | 84,0 | 32,0 | 26,0 | 78        | 3,21  |
| TL 32 H 300  | 43300432 | 13F   | 2517  | 65       | 129,36         | 127,99         | 135                   | -                  | 106            | 84,0 | 45,0 | 19,5 | 80        | 3,58  |
| TL 36 H 300  | 43300436 | 13F   | 2517  | 65       | 145,53         | 144,16         | 150                   | -                  | 121            | 84,0 | 45,0 | 19,5 | 85        | 4,99  |
| TL 40 H 300  | 43300440 | 13F   | 2517  | 65       | 161,70         | 160,33         | 168                   | -                  | 138            | 84,0 | 45,0 | 19,5 | 90        | 6,50  |
| TL 44 H 300  | 43300444 | 14F   | 2517  | 65       | 177,87         | 176,50         | 184                   | 119                | 150            | 86,0 | 45,0 | 20,5 | 95        | 7,55  |
| TL 48 H 300  | 43300448 | 14F   | 2517  | 65       | 194,04         | 192,67         | 200                   | 119                | 165            | 86,0 | 45,0 | 20,5 | 100       | 8,66  |
| TL 60 H 300  | 43300460 | 12    | 2517  | 65       | 242,55         | 241,18         | -                     | 119                | 223            | 86,0 | 45,0 | 20,5 | -         | 7,42  |
| TL 72 H 300  | 43300472 | 12    | 2517  | 65       | 291,06         | 289,69         | -                     | 119                | 270            | 86,0 | 45,0 | 20,5 | -         | 9,33  |
| TL 84 H 300  | 43300484 | 12    | 2517  | 65       | 339,57         | 338,20         | -                     | 119                | 320            | 86,0 | 45,0 | 20,5 | -         | 11,19 |
| TL 96 H 300  | 43300496 | 12    | 3030  | 75       | 388,08         | 386,71         | -                     | 150                | 362            | 86,0 | 76,0 | 5,0  | -         | 17,96 |
| TL 120 H 300 | 43300520 | 12    | 3030  | 75       | 485,10         | 483,73         | -                     | 150                | 460            | 86,0 | 76,0 | 5,0  | -         | 22,23 |





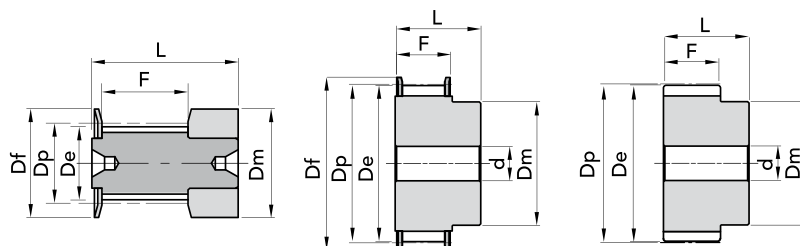


## TYPE 3M 09

Different pitch of teeth available on demand.

### MATERIAL

ALUMINIUM 6082-T6 EN 573



EXEC. 0F

EXEC. 1F

EXEC. 8

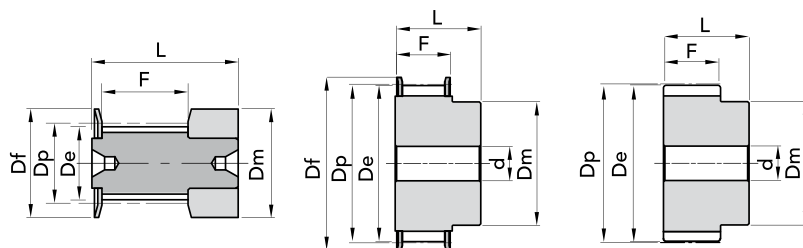
| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | F    | L    | d Ø Bore | N. FLANGE | Kg   |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|------|----------|-----------|------|
| 10- 3M- 09F | 40109010 | 10       | 0F    | 9,55           | 8,79           | 13                    | 13                 | 10,2 | 17,5 | -        | 501       | 0,01 |
| 12- 3M- 09F | 40109012 | 12       | 0F    | 11,46          | 10,70          | 15                    | 15                 | 10,2 | 17,5 | -        | 502       | 0,01 |
| 14- 3M- 09F | 40109014 | 14       | 0F    | 13,37          | 12,61          | 16                    | 16                 | 10,2 | 17,5 | -        | 503       | 0,01 |
| 15- 3M- 09F | 40109015 | 15       | 0F    | 14,32          | 13,56          | 17,5                  | 17,5               | 10,2 | 17,5 | -        | 516       | 0,01 |
| 16- 3M- 09F | 40109016 | 16       | 1F    | 15,28          | 14,52          | 17,5                  | 10                 | 12,8 | 20,6 | 4        | 504       | 0,01 |
| 18- 3M- 09F | 40109018 | 18       | 1F    | 17,19          | 16,43          | 20                    | 11                 | 12,8 | 20,6 | 6        | 505       | 0,01 |
| 20- 3M- 09F | 40109020 | 20       | 1F    | 19,10          | 18,34          | 23                    | 12                 | 12,8 | 20,6 | 6        | 517       | 0,01 |
| 21- 3M- 09F | 40109021 | 21       | 1F    | 20,05          | 19,29          | 25                    | 13                 | 12,8 | 20,6 | 6        | 518       | 0,01 |
| 22- 3M- 09F | 40109022 | 22       | 1F    | 21,01          | 20,25          | 25                    | 13                 | 12,8 | 20,6 | 6        | 518       | 0,01 |
| 24- 3M- 09F | 40109024 | 24       | 1F    | 22,92          | 22,16          | 25                    | 13                 | 12,8 | 20,6 | 6        | 518       | 0,02 |
| 26- 3M- 09F | 40109026 | 26       | 1F    | 24,83          | 24,07          | 28                    | 16                 | 12,8 | 20,6 | 6        | 508       | 0,02 |
| 28- 3M- 09F | 40109028 | 28       | 1F    | 26,74          | 25,98          | 32                    | 18                 | 12,8 | 20,6 | 6        | 509       | 0,02 |
| 30- 3M- 09F | 40109030 | 30       | 1F    | 28,65          | 27,89          | 32                    | 20                 | 12,8 | 20,6 | 6        | 509       | 0,30 |
| 32- 3M- 09F | 40109032 | 32       | 1F    | 30,56          | 29,80          | 36                    | 22                 | 12,8 | 20,6 | 6        | 510       | 0,30 |
| 36- 3M- 09F | 40109036 | 36       | 1F    | 34,38          | 33,62          | 39                    | 26                 | 13,4 | 22,2 | 6        | 519       | 0,05 |
| 40- 3M- 09F | 40109040 | 40       | 1F    | 38,20          | 37,44          | 42                    | 28                 | 13,4 | 22,2 | 6        | 513       | 0,06 |
| 44- 3M- 09F | 40109044 | 44       | 1F    | 42,02          | 41,26          | 48                    | 33                 | 13,4 | 22,2 | 6        | 520       | 0,07 |
| 48- 3M- 09  | 40109048 | 48       | 8     | 45,84          | 45,08          | -                     | 33                 | 13,4 | 22,2 | 8        | -         | 0,11 |
| 60- 3M- 09  | 40109060 | 60       | 8     | 57,30          | 56,54          | -                     | 33                 | 13,4 | 22,2 | 8        | -         | 0,11 |
| 72- 3M- 09  | 40109072 | 72       | 8     | 68,75          | 67,99          | -                     | 33                 | 13,4 | 22,2 | 8        | -         | 0,15 |



## TYPE 3M 15

Different pitch of teeth available on demand.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573

**EXEC. 0F****EXEC. 1F****EXEC. 8**

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | F    | L  | d Ø Bore | N. FLANGE | Kg   |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|------|----|----------|-----------|------|
| 10- 3M- 15F | 40115010 | 10       | 0F    | 9,55           | 8,79           | 13                    | 13                 | 17   | 26 | -        | 501       | 0,01 |
| 12- 3M- 15F | 40115012 | 12       | 0F    | 11,46          | 10,70          | 15                    | 15                 | 17   | 26 | -        | 502       | 0,01 |
| 14- 3M- 15F | 40115014 | 14       | 0F    | 13,37          | 12,61          | 16                    | 16                 | 17   | 26 | -        | 503       | 0,01 |
| 15- 3M- 15F | 40115015 | 15       | 0F    | 14,32          | 13,56          | 17,5                  | 17,5               | 17   | 26 | -        | 516       | 0,01 |
| 16- 3M- 15F | 40115016 | 16       | 1F    | 15,28          | 14,52          | 17,5                  | 10                 | 19,5 | 26 | 4        | 504       | 0,01 |
| 18- 3M- 15F | 40115018 | 18       | 1F    | 17,19          | 16,43          | 20                    | 11                 | 19,5 | 26 | 6        | 505       | 0,01 |
| 20- 3M- 15F | 40115020 | 20       | 1F    | 19,10          | 18,34          | 23                    | 13                 | 19,5 | 26 | 6        | 517       | 0,01 |
| 21- 3M- 15F | 40115021 | 21       | 1F    | 20,05          | 19,29          | 25                    | 13                 | 19,5 | 26 | 6        | 518       | 0,02 |
| 22- 3M- 15F | 40115022 | 22       | 1F    | 21,01          | 20,25          | 25                    | 13                 | 19,5 | 26 | 6        | 518       | 0,02 |
| 24- 3M- 15F | 40115024 | 24       | 1F    | 22,92          | 22,16          | 25                    | 13                 | 19,5 | 26 | 6        | 518       | 0,02 |
| 26- 3M- 15F | 40115026 | 26       | 1F    | 24,83          | 24,07          | 28                    | 16                 | 19,5 | 26 | 6        | 508       | 0,03 |
| 28- 3M- 15F | 40115028 | 28       | 1F    | 26,74          | 25,98          | 32                    | 18                 | 19,5 | 26 | 6        | 509       | 0,03 |
| 30- 3M- 15F | 40115030 | 30       | 1F    | 28,65          | 27,89          | 32                    | 20                 | 19,5 | 26 | 6        | 509       | 0,04 |
| 32- 3M- 15F | 40115032 | 32       | 1F    | 30,56          | 29,80          | 36                    | 22                 | 19,5 | 26 | 6        | 510       | 0,04 |
| 36- 3M- 15F | 40115036 | 36       | 1F    | 34,38          | 33,62          | 39                    | 26                 | 20   | 30 | 6        | 519       | 0,06 |
| 40- 3M- 15F | 40115040 | 40       | 1F    | 38,20          | 37,44          | 42                    | 28                 | 20   | 30 | 6        | 513       | 0,08 |
| 44- 3M- 15  | 40115044 | 44       | 1F    | 42,02          | 41,26          | 48                    | 33                 | 20   | 30 | 6        | 520       | 0,10 |
| 48- 3M- 15  | 40115048 | 48       | 8     | 45,84          | 45,08          | -                     | 33                 | 20   | 30 | 8        | -         | 0,10 |
| 60- 3M- 15  | 40115060 | 60       | 8     | 57,30          | 56,54          | -                     | 33                 | 20   | 30 | 8        | -         | 0,15 |
| 72- 3M- 15  | 40115072 | 72       | 8     | 68,75          | 67,99          | -                     | 33                 | 20   | 30 | 8        | -         | 0,21 |





## TYPE 5M 09

### PHOSPHATED

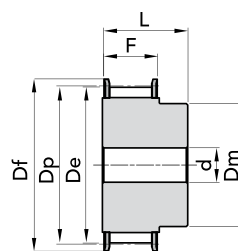
Aluminium pulleys are not phosphated.

Different pitch of teeth available on demand.

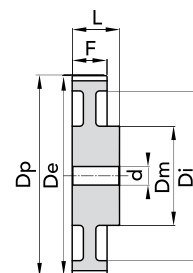
#### MATERIAL

C45 EN 10083

ALUMINIUM G20/25 EN 1561



EXEC. 1F



EXEC. 3

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | L    | d Ø Bore | N. FLANGE | Kg   |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|------|------|----------|-----------|------|
| 12- 5M- 09F | 40209012 | 12       | 1F    | 19,10          | 17,96          | 23                    | 12                 | -              | 14,5 | 20   | 4        | 14        | 0,03 |
| 14- 5M- 09F | 40209014 | 14       | 1F    | 22,28          | 21,14          | 25                    | 13                 | -              | 14,5 | 20   | 6        | 2         | 0,04 |
| 15- 5M- 09F | 40209015 | 15       | 1F    | 23,37          | 22,73          | 28                    | 16                 | -              | 14,5 | 20   | 6        | 4         | 0,05 |
| 16- 5M- 09F | 40209016 | 16       | 1F    | 25,46          | 24,32          | 28                    | 16,5               | -              | 14,5 | 20   | 6        | 4         | 0,06 |
| 18- 5M- 09F | 40209018 | 18       | 1F    | 28,65          | 27,51          | 32                    | 20                 | -              | 14,5 | 20   | 6        | 6         | 0,07 |
| 20- 5M- 09F | 40209020 | 20       | 1F    | 31,83          | 30,69          | 36                    | 23                 | -              | 14,5 | 22,5 | 6        | 8         | 0,10 |
| 21- 5M- 09F | 40209021 | 21       | 1F    | 33,42          | 32,28          | 38                    | 24                 | -              | 14,5 | 22,5 | 6        | 9         | 0,12 |
| 22- 5M- 09F | 40209022 | 22       | 1F    | 35,01          | 33,87          | 39                    | 25,5               | -              | 14,5 | 22,5 | 6        | 15        | 0,13 |
| 24- 5M- 09F | 40209024 | 24       | 1F    | 38,20          | 37,06          | 42                    | 27                 | -              | 14,5 | 22,5 | 6        | 13        | 0,15 |
| 26- 5M- 09F | 40209026 | 26       | 1F    | 41,38          | 40,24          | 44                    | 30                 | -              | 14,5 | 22,5 | 6        | 12        | 0,18 |
| 28- 5M- 09F | 40209028 | 28       | 1F    | 44,56          | 43,42          | 48                    | 30,5               | -              | 14,5 | 22,5 | 6        | 11        | 0,21 |
| 30- 5M- 09F | 40209030 | 30       | 1F    | 47,75          | 46,60          | 51                    | 35                 | -              | 14,5 | 22,5 | 6        | 16        | 0,25 |
| 32- 5M- 09F | 40209032 | 32       | 1F    | 50,93          | 49,79          | 54                    | 38                 | -              | 14,5 | 22,5 | 8        | 18        | 0,28 |
| 36- 5M- 09F | 40209036 | 36       | 1F    | 57,30          | 56,16          | 60                    | 38                 | -              | 14,5 | 22,5 | 8        | 21        | 0,33 |
| 40- 5M- 09F | 40209040 | 40       | 1F    | 63,66          | 62,52          | 71                    | 38                 | -              | 14,5 | 22,5 | 8        | 25        | 0,42 |
| 44- 5M- 09  | 40209044 | 44       | 3     | 70,03          | 68,89          | -                     | 38                 | 54             | 14,5 | 25,5 | 8        | -         | 0,17 |
| 48- 5M- 09  | 40209048 | 48       | 3     | 76,39          | 75,25          | -                     | 45                 | 61             | 14,5 | 25,5 | 8        | -         | 0,18 |
| 60- 5M- 09  | 40209060 | 60       | 3     | 95,49          | 94,35          | -                     | 45                 | 80             | 14,5 | 25,5 | 8        | -         | 0,23 |
| 72- 5M- 09  | 40209072 | 72       | 3     | 114,59         | 113,45         | -                     | 45                 | 100            | 14,5 | 25,5 | 8        | -         | 0,42 |



## TYPE 5M 15

### PHOSPHATED

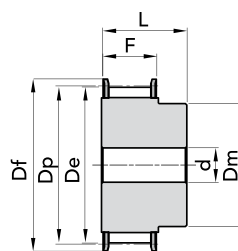
Aluminium pulleys are not phosphated.

Different pitch of teeth available on demand.

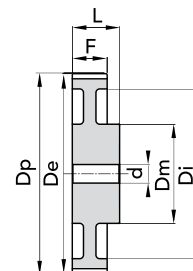
#### MATERIAL

C45 EN 10083

ALUMINIUM G20/25 EN 1561



EXEC. 1F



EXEC. 3

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | L  | d Ø Bore | N. FLANGE | Kg   |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|------|----|----------|-----------|------|
| 12- 5M- 15F | 40215012 | 12       | 1F    | 19,10          | 17,96          | 23                    | 12                 | -              | 20,5 | 26 | -        | 14        | 0,03 |
| 14- 5M- 15F | 40215014 | 14       | 1F    | 22,28          | 21,14          | 25                    | 13                 | -              | 20,5 | 26 | 6        | 2         | 0,04 |
| 15- 5M- 15F | 40215015 | 15       | 1F    | 23,37          | 22,73          | 28                    | 16                 | -              | 20,5 | 26 | 6        | 4         | 0,05 |
| 16- 5M- 15F | 40215016 | 16       | 1F    | 25,46          | 24,32          | 28                    | 16,5               | -              | 20,5 | 26 | 6        | 4         | 0,06 |
| 18- 5M- 15F | 40215018 | 18       | 1F    | 28,65          | 27,51          | 32                    | 20                 | -              | 20,5 | 26 | 6        | 6         | 0,09 |
| 20- 5M- 15F | 40215020 | 20       | 1F    | 31,83          | 30,69          | 36                    | 23                 | -              | 20,5 | 26 | 6        | 8         | 0,12 |
| 21- 5M- 15F | 40215021 | 21       | 1F    | 33,42          | 32,28          | 38                    | 24                 | -              | 20,5 | 26 | 6        | 9         | 0,14 |
| 22- 5M- 15F | 40215022 | 22       | 1F    | 35,01          | 33,87          | 39                    | 25,5               | -              | 20,5 | 26 | 6        | 15        | 0,15 |
| 24- 5M- 15F | 40215024 | 24       | 1F    | 38,20          | 37,06          | 42                    | 27                 | -              | 20,5 | 28 | 6        | 13        | 0,19 |
| 26- 5M- 15F | 40215026 | 26       | 1F    | 41,38          | 40,24          | 44                    | 30                 | -              | 20,5 | 28 | 6        | 12        | 0,23 |
| 28- 5M- 15F | 40215028 | 28       | 1F    | 44,56          | 43,42          | 48                    | 30,5               | -              | 20,5 | 28 | 6        | 11        | 0,26 |
| 30- 5M- 15F | 40215030 | 30       | 1F    | 47,75          | 46,60          | 51                    | 35                 | -              | 20,5 | 28 | 6        | 16        | 0,32 |
| 32- 5M- 15F | 40215032 | 32       | 1F    | 50,93          | 49,79          | 54                    | 38                 | -              | 20,5 | 28 | 8        | 18        | 0,35 |
| 36- 5M- 15F | 40215036 | 36       | 1F    | 57,30          | 56,16          | 60                    | 38                 | -              | 20,5 | 28 | 8        | 21        | 0,43 |
| 40- 5M- 15F | 40215040 | 40       | 1F    | 63,66          | 62,52          | 71                    | 38                 | -              | 20,5 | 28 | 8        | 25        | 0,52 |
| 44- 5M- 15  | 40215044 | 44       | 3     | 70,03          | 68,89          | -                     | 38                 | 54             | 20,5 | 30 | 8        | -         | 0,23 |
| 48- 5M- 15  | 40215048 | 48       | 3     | 76,39          | 75,25          | -                     | 38                 | 61             | 20,5 | 30 | 8        | -         | 0,29 |
| 60- 5M- 15  | 40215060 | 60       | 3     | 95,49          | 94,35          | -                     | 50                 | 80             | 20,5 | 30 | 8        | -         | 0,30 |
| 72- 5M- 15  | 40215072 | 72       | 3     | 114,59         | 113,45         | -                     | 50                 | 100            | 20,5 | 30 | 8        | -         | 0,59 |





## TYPE 5M 25

### PHOSPHATED

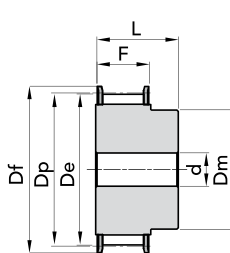
Aluminium pulleys are not phosphated.

Different pitch of teeth available on demand.

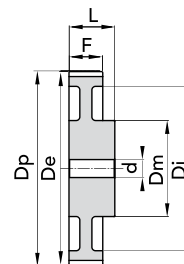
#### MATERIAL

C45 EN 10083

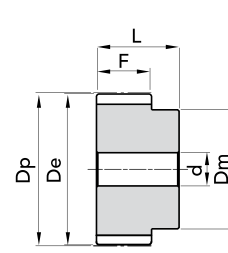
ALUMINIUM G20/25 EN 1561



EXEC. 1F



EXEC. 3



EXEC. 8

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F    | L  | d Ø Bore | N. FLANGE | Kg   |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|------|----|----------|-----------|------|
| 12- 5M- 25F | 40225012 | 12       | 1F    | 19,10          | 17,96          | 23                    | 12                 | -              | 30,5 | 36 | -        | 14        | 0,05 |
| 14- 5M- 25F | 40225014 | 14       | 1F    | 22,28          | 21,14          | 25                    | 13                 | -              | 30,5 | 36 | 6        | 2         | 0,08 |
| 15- 5M- 25F | 40225015 | 15       | 1F    | 23,87          | 22,73          | 28                    | 16                 | -              | 30,5 | 36 | 6        | 4         | 0,09 |
| 16- 5M- 25F | 40225016 | 16       | 1F    | 25,46          | 24,32          | 28                    | 16,5               | -              | 30,5 | 36 | 6        | 4         | 0,11 |
| 18- 5M- 25F | 40225018 | 18       | 1F    | 28,65          | 27,51          | 32                    | 20                 | -              | 30,5 | 36 | 6        | 6         | 0,13 |
| 20- 5M- 25F | 40225020 | 20       | 1F    | 31,83          | 30,69          | 36                    | 23                 | -              | 30,5 | 36 | 6        | 8         | 0,17 |
| 21- 5M- 25F | 40225021 | 21       | 1F    | 33,42          | 32,28          | 38                    | 24                 | -              | 30,5 | 38 | 6        | 9         | 0,20 |
| 22- 5M- 25F | 40225022 | 22       | 1F    | 35,01          | 33,87          | 39                    | 25,5               | -              | 30,5 | 38 | 6        | 15        | 0,22 |
| 24- 5M- 25F | 40225024 | 24       | 1F    | 38,20          | 37,06          | 42                    | 27                 | -              | 30,5 | 38 | 6        | 13        | 0,26 |
| 26- 5M- 25F | 40225026 | 26       | 1F    | 41,38          | 40,24          | 44                    | 30                 | -              | 30,5 | 38 | 6        | 12        | 0,32 |
| 28- 5M- 25F | 40225028 | 28       | 1F    | 44,56          | 43,42          | 48                    | 30,5               | -              | 30,5 | 38 | 6        | 11        | 0,37 |
| 30- 5M- 25F | 40225030 | 30       | 1F    | 47,75          | 46,60          | 51                    | 35                 | -              | 30,5 | 38 | 6        | 16        | 0,42 |
| 32- 5M- 25F | 40225032 | 32       | 1F    | 50,93          | 49,79          | 54                    | 38                 | -              | 30,5 | 38 | 8        | 18        | 0,48 |
| 36- 5M- 25F | 40225036 | 36       | 1F    | 57,30          | 56,16          | 60                    | 38                 | -              | 30,5 | 38 | 8        | 21        | 0,59 |
| 40- 5M- 25F | 40225040 | 40       | 1F    | 63,66          | 62,52          | 71                    | 38                 | -              | 30,5 | 38 | 8        | 25        | 0,75 |
| 44- 5M- 25  | 40225044 | 44       | 8     | 70,03          | 68,89          | -                     | 38                 | -              | 30,5 | 40 | 8        | -         | 0,32 |
| 48- 5M- 25  | 40225048 | 48       | 3     | 76,39          | 75,25          | -                     | 38                 | 61             | 30,5 | 40 | 8        | -         | 0,28 |
| 60- 5M- 25  | 40225060 | 60       | 3     | 95,49          | 94,35          | -                     | 50                 | 80             | 30,5 | 40 | 8        | -         | 0,44 |
| 72- 5M- 25  | 40225072 | 72       | 3     | 114,59         | 113,45         | -                     | 50                 | 100            | 30,5 | 40 | 8        | -         | 0,85 |



## TYPE 8M 20

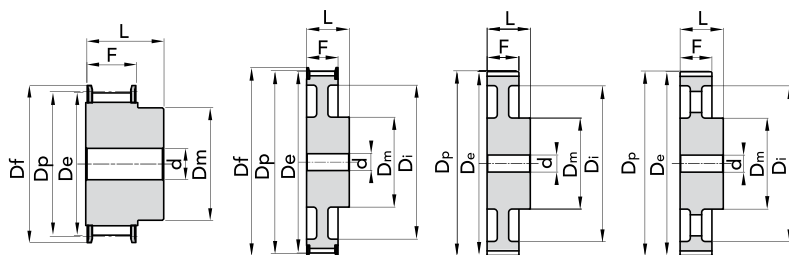
### PHOSPHATED

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 2F

EXEC. 3

EXEC. 4

| TYPE        | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L  | d Ø Bore | N. FLANGE | Kg   |
|-------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|----|----------|-----------|------|
| 22- 8M- 20F | 40420022  | 22       | 1F    | 56,02          | 54,65          | 60                    | 43                 | -              | 28 | 38 | 12       | 53        | 0,54 |
| 24- 8M- 20F | 40420024  | 24       | 1F    | 61,12          | 59,75          | 66                    | 45                 | -              | 28 | 38 | 12       | 69        | 0,65 |
| 26- 8M- 20F | 40420026  | 26       | 1F    | 66,21          | 64,85          | 70                    | 48                 | -              | 28 | 38 | 12       | 61        | 0,80 |
| 28- 8M- 20F | 40420028  | 28       | 1F    | 71,30          | 70,08          | 75                    | 50                 | -              | 28 | 38 | 15       | 79        | 0,88 |
| 30- 8M- 20F | 40420030  | 30       | 1F    | 76,39          | 75,13          | 82,5                  | 55                 | -              | 28 | 38 | 15       | 64        | 1,00 |
| 32- 8M- 20F | 40420032  | 32       | 1F    | 81,49          | 80,16          | 87                    | 60                 | -              | 28 | 38 | 15       | 76        | 1,20 |
| 34- 8M- 20F | 40420034  | 34       | 1F    | 86,58          | 85,22          | 91                    | 66                 | -              | 28 | 38 | 15       | 66        | 1,40 |
| 36- 8M- 20F | 40420036  | 36       | 1F    | 91,67          | 90,30          | 97                    | 70                 | -              | 28 | 38 | 15       | 68        | 1,60 |
| 38- 8M- 20F | 40420038  | 38       | 1F    | 96,77          | 95,39          | 102                   | 75                 | -              | 28 | 38 | 15       | 70        | 1,70 |
| 40- 8M- 20F | 40420040  | 40       | 1F    | 101,86         | 100,49         | 106                   | 75                 | -              | 28 | 38 | 15       | 77        | 1,85 |
| 44- 8M- 20F | 40420044  | 44       | 1F    | 112,05         | 110,67         | 120                   | 75                 | -              | 28 | 38 | 15       | 75        | 2,10 |
| 48- 8M- 20F | 40420048  | 48       | 1F    | 122,23         | 120,86         | 128                   | 75                 | -              | 28 | 38 | 15       | 78        | 2,50 |
| 56- 8M- 20F | 40420056  | 56       | 2F    | 142,60         | 141,23         | 150                   | 80                 | 116            | 28 | 38 | 15       | 85        | 2,82 |
| 64- 8M- 20F | 40420064  | 64       | 2F    | 162,97         | 161,60         | 168                   | 80                 | 137            | 28 | 38 | 15       | 90        | 3,22 |
| 72- 8M- 20F | 40420072  | 72       | 2F    | 183,35         | 181,97         | 192                   | 80                 | 158            | 28 | 38 | 15       | 97        | 3,74 |
| 80- 8M- 20  | 40420080  | 80       | 3     | 203,72         | 202,35         | -                     | 90                 | 180            | 28 | 38 | 15       | -         | 3,78 |
| 90- 8M- 20  | 40420090  | 90       | 4     | 229,18         | 227,81         | -                     | 90                 | 204            | 28 | 38 | 15       | -         | 4,57 |
| 112- 8M- 20 | on demand | 112      | 4     | 285,21         | 283,83         | -                     | 90                 | 254            | 28 | 38 | 18       | -         | -    |
| 144- 8M- 20 | 40420144  | 144      | 4     | 366,69         | 365,32         | -                     | 90                 | 336            | 28 | 38 | 20       | -         | 5,20 |
| 168- 8M- 20 | on demand | 168      | 4     | 427,81         | 426,44         | -                     | 100                | 400            | 28 | 38 | 20       | -         | -    |
| 192- 8M- 21 | on demand | 192      | 4     | 488,92         | 487,55         | -                     | 100                | 460            | 28 | 38 | 20       | -         | -    |



## TYPE 8M 30

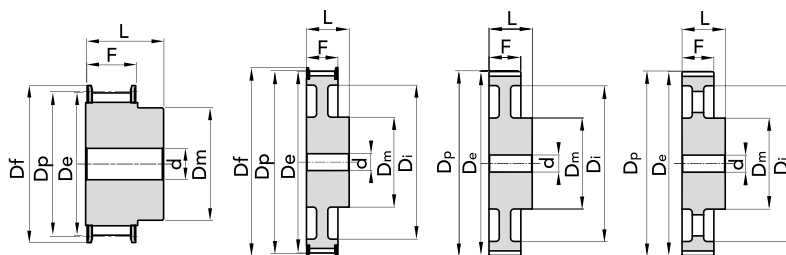
### PHOSPHATED

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 2F

EXEC. 3

EXEC. 4

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L  | d Ø Bore | N. FLANGE | Kg    |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|----|----------|-----------|-------|
| 22- 8M- 30F | 40430022 | 22       | 1F    | 56,02          | 54,65          | 60                    | 43                 | -              | 38 | 48 | 12       | 53        | 0,75  |
| 24- 8M- 30F | 40430024 | 24       | 1F    | 61,12          | 59,75          | 66                    | 45                 | -              | 38 | 48 | 12       | 69        | 0,90  |
| 26- 8M- 30F | 40430026 | 26       | 1F    | 66,21          | 64,85          | 70                    | 48                 | -              | 38 | 48 | 12       | 61        | 1,10  |
| 28- 8M- 30F | 40430028 | 28       | 1F    | 71,30          | 70,08          | 75                    | 50                 | -              | 38 | 48 | 15       | 79        | 1,20  |
| 30- 8M- 30F | 40430030 | 30       | 1F    | 76,39          | 75,13          | 82,5                  | 55                 | -              | 38 | 48 | 15       | 73        | 1,32  |
| 32- 8M- 30F | 40430032 | 32       | 1F    | 81,49          | 80,16          | 87                    | 60                 | -              | 38 | 48 | 15       | 76        | 1,55  |
| 34- 8M- 30F | 40430034 | 34       | 1F    | 86,58          | 85,22          | 91                    | 66                 | -              | 38 | 48 | 15       | 66        | 1,80  |
| 36- 8M- 30F | 40430036 | 36       | 1F    | 91,67          | 90,30          | 97                    | 70                 | -              | 38 | 48 | 15       | 68        | 2,10  |
| 38- 8M- 30F | 40430038 | 38       | 1F    | 96,77          | 95,39          | 102                   | 75                 | -              | 38 | 48 | 15       | 70        | 2,30  |
| 40- 8M- 30F | 40430040 | 40       | 1F    | 101,86         | 100,49         | 106                   | 75                 | -              | 38 | 48 | 15       | 77        | 2,47  |
| 44- 8M- 30F | 40430044 | 44       | 1F    | 112,05         | 110,67         | 120                   | 75                 | -              | 38 | 48 | 15       | 75        | 2,95  |
| 48- 8M- 30F | 40430048 | 48       | 1F    | 122,23         | 120,86         | 128                   | 75                 | -              | 38 | 48 | 15       | 78        | 3,30  |
| 56- 8M- 30F | 40430056 | 56       | 2F    | 142,60         | 141,23         | 150                   | 90                 | 116            | 38 | 48 | 15       | 85        | 4,02  |
| 64- 8M- 30F | 40430064 | 64       | 2F    | 162,97         | 161,60         | 168                   | 90                 | 137            | 38 | 48 | 15       | 90        | 4,60  |
| 72- 8M- 30F | 40430072 | 72       | 2F    | 183,35         | 181,97         | 192                   | 95                 | 158            | 38 | 48 | 15       | 97        | 5,41  |
| 80- 8M- 30  | 40430080 | 80       | 3     | 203,72         | 202,35         | -                     | 100                | 180            | 38 | 48 | 15       | -         | 5,23  |
| 90- 8M- 30  | 40430090 | 90       | 3     | 229,18         | 227,81         | -                     | 100                | 204            | 38 | 48 | 15       | -         | 6,42  |
| 112- 8M- 30 | 40430112 | 112      | 4     | 285,21         | 283,83         | -                     | 100                | 254            | 38 | 48 | 18       | -         | 8,12  |
| 144- 8M- 30 | 40430144 | 144      | 4     | 366,69         | 365,32         | -                     | 100                | 336            | 38 | 48 | 20       | -         | 10,36 |
| 168- 8M- 30 | 40430168 | 168      | 4     | 427,81         | 426,44         | -                     | 100                | 400            | 38 | 48 | 20       | -         | 12,37 |
| 192- 8M- 30 | 40430192 | 192      | 4     | 488,92         | 487,55         | -                     | 100                | 460            | 38 | 48 | 20       | -         | 14,31 |



## TYPE 8M 50

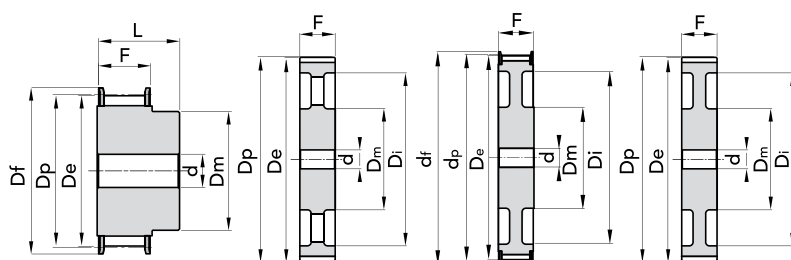
### PHOSPHATED

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 5

EXEC. 6F

EXEC. 7

| TYPE        | CODE     | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L  | d Ø Bore | N. FLANGE | Kg    |
|-------------|----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|----|----------|-----------|-------|
| 22- 8M- 50F | 40450022 | 22       | 1F    | 56,02          | 54,65          | 60                    | 43                 | -              | 60 | 70 | -        | 53        | 1,10  |
| 24- 8M- 50F | 40450024 | 24       | 1F    | 61,12          | 59,75          | 66                    | 45                 | -              | 60 | 70 | -        | 69        | 1,20  |
| 26- 8M- 50F | 40450026 | 26       | 1F    | 66,21          | 64,85          | 70                    | 48                 | -              | 60 | 70 | -        | 61        | 1,60  |
| 28- 8M- 50F | 40450028 | 28       | 1F    | 71,30          | 70,08          | 75                    | 50                 | -              | 60 | 70 | -        | 79        | 1,70  |
| 30- 8M- 50F | 40450030 | 30       | 1F    | 76,39          | 75,13          | 82,5                  | 55                 | -              | 60 | 70 | -        | 73        | 2,00  |
| 32- 8M- 50F | 40450032 | 32       | 1F    | 81,49          | 80,16          | 87                    | 60                 | -              | 60 | 70 | -        | 76        | 2,35  |
| 34- 8M- 50F | 40450034 | 34       | 1F    | 86,58          | 85,22          | 91                    | 66                 | -              | 60 | 70 | -        | 66        | 2,80  |
| 36- 8M- 50F | 40450036 | 36       | 1F    | 91,67          | 90,30          | 97                    | 70                 | -              | 60 | 70 | -        | 68        | 3,10  |
| 38- 8M- 50F | 40450038 | 38       | 1F    | 96,77          | 95,39          | 102                   | 75                 | -              | 60 | 70 | -        | 70        | 3,30  |
| 40- 8M- 50F | 40450040 | 40       | 1F    | 101,86         | 100,49         | 106                   | 75                 | -              | 60 | 70 | -        | 77        | 3,60  |
| 44- 8M- 50F | 40450044 | 44       | 1F    | 112,05         | 110,67         | 120                   | 75                 | -              | 60 | 70 | -        | 75        | 4,40  |
| 48- 8M- 50F | 40450048 | 48       | 1F    | 122,23         | 120,86         | 128                   | 80                 | -              | 60 | 70 | -        | 78        | 5,00  |
| 56- 8M- 50F | 40450056 | 56       | 6F    | 142,60         | 141,23         | 150                   | 90                 | 116            | 60 | 60 | 18       | 85        | 5,68  |
| 64- 8M- 50F | 40450064 | 64       | 6F    | 162,97         | 161,60         | 168                   | 100                | 137            | 60 | 60 | 18       | 90        | 6,93  |
| 72- 8M- 50F | 40450072 | 72       | 6F    | 183,35         | 181,97         | 192                   | 100                | 158            | 60 | 60 | 18       | 97        | 7,95  |
| 80- 8M- 50  | 40450080 | 80       | 7     | 203,72         | 202,35         | -                     | 110                | 180            | 60 | 60 | 18       | -         | 7,96  |
| 90- 8M- 50  | 40450090 | 90       | 5     | 229,18         | 227,81         | -                     | 110                | 204            | 60 | 60 | 18       | -         | 9,20  |
| 112- 8M- 50 | 40450112 | 112      | 5     | 285,21         | 283,83         | -                     | 110                | 254            | 60 | 60 | 18       | -         | 12,16 |
| 144- 8M- 50 | 40450144 | 144      | 5     | 366,69         | 365,32         | -                     | 110                | 336            | 60 | 60 | 20       | -         | 15,68 |
| 168- 8M- 50 | 40450168 | 168      | 5     | 427,81         | 426,44         | -                     | 120                | 400            | 60 | 60 | 20       | -         | 18,99 |
| 192- 8M- 50 | 40450192 | 192      | 5     | 488,92         | 487,55         | -                     | 130                | 460            | 60 | 60 | 20       | -         | 21,09 |







## TYPE 8M 85

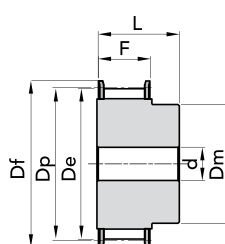
### PHOSPHATED

Different pitch of teeth available on demand.

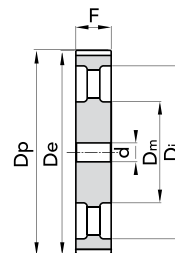
#### MATERIAL

C45 EN 10083

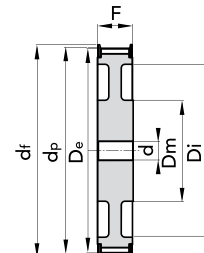
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 5



EXEC. 6F

| TYPE        | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L   | d Ø Bore | N. FLANGE | Kg    |
|-------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|-----|----------|-----------|-------|
| 22- 8M- 85F | 40485022  | 22       | 1F    | 56,02          | 54,65          | 60                    | 43                 | -              | 95 | 105 | -        | 53        | 1,60  |
| 24- 8M- 85F | 40485024  | 24       | 1F    | 61,12          | 59,75          | 66                    | 45                 | -              | 95 | 105 | -        | 69        | 1,95  |
| 26- 8M- 85F | 40485026  | 26       | 1F    | 66,21          | 64,85          | 70                    | 48                 | -              | 95 | 105 | -        | 61        | 2,30  |
| 28- 8M- 85F | 40485028  | 28       | 1F    | 71,30          | 70,08          | 75                    | 50                 | -              | 95 | 105 | -        | 79        | 2,60  |
| 30- 8M- 85F | 40485030  | 30       | 1F    | 76,39          | 75,13          | 82,5                  | 55                 | -              | 95 | 105 | -        | 73        | 3,10  |
| 32- 8M- 85F | 40485032  | 32       | 1F    | 81,49          | 80,16          | 87                    | 60                 | -              | 95 | 105 | -        | 76        | 3,70  |
| 34- 8M- 85F | 40485034  | 34       | 1F    | 86,58          | 85,22          | 91                    | 66                 | -              | 95 | 105 | -        | 66        | 4,00  |
| 36- 8M- 85F | 40485036  | 36       | 1F    | 91,67          | 90,30          | 97                    | 70                 | -              | 95 | 105 | -        | 68        | 4,70  |
| 38- 8M- 85F | 40485038  | 38       | 1F    | 96,77          | 95,39          | 102                   | 75                 | -              | 95 | 105 | -        | 70        | 5,10  |
| 40- 8M- 85F | 40485040  | 40       | 1F    | 101,86         | 100,49         | 106                   | 75                 | -              | 95 | 105 | -        | 77        | 5,40  |
| 44- 8M- 85F | 40485044  | 44       | 1F    | 112,05         | 110,67         | 120                   | 75                 | -              | 95 | 105 | -        | 75        | 6,70  |
| 48- 8M- 85F | 40485048  | 48       | 1F    | 122,23         | 120,86         | 128                   | 80                 | -              | 95 | 105 | -        | 78        | 7,20  |
| 56- 8M- 85F | 40485056  | 56       | 1F    | 142,60         | 141,23         | 150                   | 90                 | -              | 95 | 105 | 20       | 85        | 11,48 |
| 64- 8M- 85F | 40485064  | 64       | 6F    | 162,97         | 161,60         | 168                   | 100                | 137            | 95 | 95  | 20       | 90        | 11,02 |
| 72- 8M- 85F | 40485072  | 72       | 6F    | 183,35         | 181,97         | 192                   | 100                | 158            | 95 | 95  | 20       | 97        | 13,45 |
| 80- 8M- 85  | 40485080  | 80       | 5     | 203,72         | 202,35         | -                     | 110                | 180            | 95 | 95  | 20       | -         | 12,36 |
| 90- 8M- 85  | 40485090  | 90       | 5     | 229,18         | 227,81         | -                     | 110                | 204            | 95 | 95  | 20       | -         | 14,38 |
| 112- 8M- 85 | 40485112  | 112      | 5     | 285,21         | 283,83         | -                     | 110                | 254            | 95 | 95  | 24       | -         | 18,66 |
| 144- 8M- 85 | 40485144  | 144      | 5     | 366,69         | 365,32         | -                     | 110                | 336            | 95 | 95  | 24       | -         | 23,00 |
| 168- 8M- 85 | on demand | 168      | 5     | 427,81         | 426,44         | -                     | 120                | 400            | 95 | 95  | 24       | -         | -     |
| 192- 8M- 85 | on demand | 192      | 5     | 488,92         | 487,55         | -                     | 130                | 460            | 95 | 95  | 24       | -         | -     |



## TYPE 14M 40

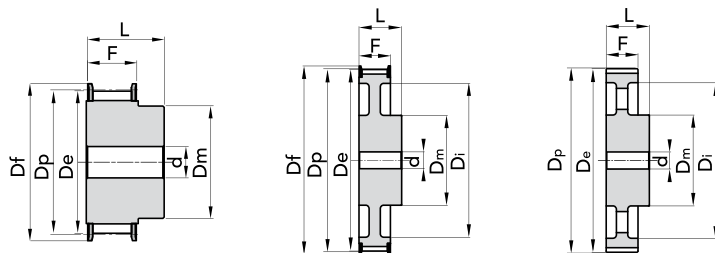
### PHOSPHATED

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 2F

EXEC. 4

| TYPE        | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L  | d Ø Bore | N. FLANGE | Kg    |
|-------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|----|----------|-----------|-------|
| 28-14M- 40F | 40640028  | 28       | 1F    | 124,78         | 122,12         | 128                   | 100                | -              | 54 | 69 | 24       | 153       | 4,80  |
| 29-14M- 40F | 40640029  | 29       | 1F    | 129,23         | 126,57         | 138                   | 100                | -              | 54 | 69 | 24       | 154       | 5,20  |
| 30-14M- 40F | 40640030  | 30       | 1F    | 133,69         | 130,99         | 138                   | 100                | -              | 54 | 69 | 24       | 154       | 5,60  |
| 32-14M- 40F | 40640032  | 32       | 1F    | 142,60         | 139,88         | 154                   | 100                | -              | 54 | 69 | 24       | 160       | 6,20  |
| 34-14M- 40F | 40640034  | 34       | 1F    | 151,52         | 148,79         | 160                   | 100                | -              | 54 | 69 | 24       | 166       | 6,90  |
| 36-14M- 40F | 40640036  | 36       | 1F    | 160,43         | 157,68         | 168                   | 100                | -              | 54 | 69 | 24       | 168       | 7,70  |
| 38-14M- 40F | 40640038  | 38       | 1F    | 169,34         | 166,60         | 183                   | 120                | -              | 54 | 69 | 24       | 172       | 8,90  |
| 40-14M- 40F | 40640040  | 40       | 1F    | 178,25         | 175,49         | 188                   | 120                | -              | 54 | 69 | 24       | 162       | 9,80  |
| 44-14M- 40F | 40640044  | 44       | 1F    | 196,08         | 193,28         | 211                   | 120                | -              | 54 | 69 | 24       | 175       | 12,00 |
| 48-14M- 40F | 40640048  | 48       | 2F    | 213,90         | 211,11         | 226                   | 135                | 170            | 54 | 69 | 24       | 180       | 11,98 |
| 56-14M- 40F | 40640056  | 56       | 2F    | 249,55         | 246,76         | 256                   | 135                | 207            | 54 | 69 | 28       | 182       | 14,01 |
| 64-14M- 40F | 40640064  | 64       | 2F    | 285,21         | 282,41         | 296                   | 135                | 240            | 54 | 69 | 28       | 184       | 16,65 |
| 72-14M- 40  | 40640072  | 72       | 4     | 320,86         | 318,06         | -                     | 135                | 278            | 54 | 69 | 28       | -         | 15,52 |
| 80-14M- 40  | 40640080  | 80       | 4     | 356,51         | 353,71         | -                     | 135                | 314            | 54 | 69 | 28       | -         | 17,23 |
| 90-14M- 40  | 40640090  | 90       | 4     | 401,07         | 398,28         | -                     | 135                | 358            | 54 | 69 | 28       | -         | 19,40 |
| 112-14M- 40 | 40640112  | 112      | 4     | 499,11         | 496,32         | -                     | 135                | 456            | 54 | 69 | 28       | -         | 24,14 |
| 144-14M-40  | on demand | 144      | 4     | 641,71         | 638,92         | -                     | 135                | 600            | 54 | 69 | 28       | -         | -     |
| 168-14M-40  | on demand | 168      | 4     | 748,66         | 745,87         | -                     | 135                | 706            | 54 | 69 | 28       | -         | -     |
| 192-14M-40  | on demand | 192      | 4     | 855,62         | 852,82         | -                     | 135                | 813            | 54 | 69 | 28       | -         | -     |
| 216-14M-40  | on demand | 216      | 4     | 962,57         | 959,76         | -                     | 150                | 920            | 54 | 69 | 28       | -         | -     |



## TYPE 14M 55

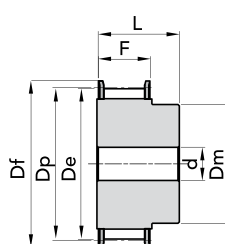
### PHOSPHATED

Different pitch of teeth available on demand.

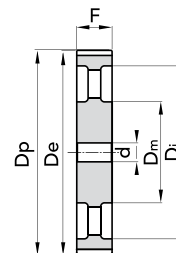
### MATERIAL

C45 EN 10083

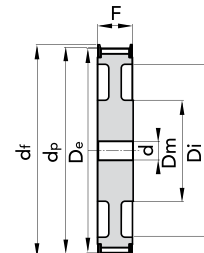
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 5



EXEC. 6F

| TYPE         | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F  | L  | d Ø Bore | N. FLANGE | Kg    |
|--------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|----|----|----------|-----------|-------|
| 28-14M- 55F  | 40655028  | 28       | 1F    | 124,78         | 122,12         | 128                   | 100                | -              | 70 | 85 | 24       | 153       | 5,70  |
| 29-14M- 55F  | 40655029  | 29       | 1F    | 129,23         | 126,57         | 138                   | 100                | -              | 70 | 85 | 24       | 154       | 6,40  |
| 30-14M- 55F  | 40655030  | 30       | 1F    | 133,69         | 130,99         | 138                   | 100                | -              | 70 | 85 | 24       | 154       | 7,10  |
| 32-14M- 55F  | 40655032  | 32       | 1F    | 142,60         | 139,88         | 154                   | 100                | -              | 70 | 85 | 24       | 160       | 7,90  |
| 34-14M- 55F  | 40655034  | 34       | 1F    | 151,52         | 148,79         | 160                   | 100                | -              | 70 | 85 | 24       | 166       | 9,33  |
| 36-14M- 55F  | 40655036  | 36       | 1F    | 160,43         | 157,68         | 168                   | 100                | -              | 70 | 85 | 24       | 168       | 10,49 |
| 38-14M- 55F  | 40655038  | 38       | 1F    | 169,34         | 166,60         | 183                   | 120                | -              | 70 | 85 | 24       | 172       | 12,11 |
| 39- 14M- 55F |           |          |       |                |                |                       |                    |                |    |    |          |           |       |
| 40-14M- 55F  | 40655040  | 40       | 1F    | 178,25         | 175,49         | 188                   | 120                | -              | 70 | 85 | 24       | 162       | 13,00 |
| 44-14M- 55F  | 40655044  | 44       | 1F    | 196,08         | 193,28         | 211                   | 120                | -              | 70 | 85 | 24       | 175       | 16,12 |
| 48-14M- 55F  | 40655048  | 48       | 6F    | 213,90         | 211,11         | 226                   | 135                | 170            | 70 | 70 | 24       | 180       | 13,50 |
| 56-14M- 55F  | 40655056  | 56       | 6F    | 249,55         | 246,76         | 256                   | 135                | 207            | 70 | 70 | 28       | 182       | 15,78 |
| 64-14M- 55F  | 40655064  | 64       | 6F    | 285,21         | 282,41         | 296                   | 135                | 240            | 70 | 70 | 28       | 184       | 19,04 |
| 72-14M- 55   | 40655072  | 72       | 5     | 320,86         | 318,06         | -                     | 135                | 278            | 70 | 70 | 28       | -         | 18,41 |
| 80-14M- 55   | 40655080  | 80       | 5     | 356,51         | 353,71         | -                     | 135                | 314            | 70 | 70 | 28       | -         | 20,27 |
| 90-14M- 55   | 40655090  | 90       | 5     | 401,07         | 398,28         | -                     | 135                | 358            | 70 | 70 | 28       | -         | 22,98 |
| 112-14M- 55  | 40655112  | 112      | 5     | 499,11         | 496,32         | -                     | 135                | 456            | 70 | 70 | 28       | -         | 29,29 |
| 144-14M- 55  | 40655144  | 144      | 5     | 641,71         | 638,92         | -                     | 135                | 600            | 70 | 70 | 28       | -         | 36,00 |
| 168-14M- 55  | 40655168  | 168      | 5     | 748,66         | 745,87         | -                     | 135                | 706            | 70 | 70 | 28       | -         | 40,00 |
| 192-14M- 55  | 40655192  | 192      | 5     | 855,62         | 852,82         | -                     | 135                | 813            | 70 | 70 | 28       | -         | 47,50 |
| 216-14M- 55  | on demand | 216      | 5     | 962,57         | 959,76         | -                     | 150                | 920            | 70 | 70 | 28       | -         | -     |



## TYPE 14M 85

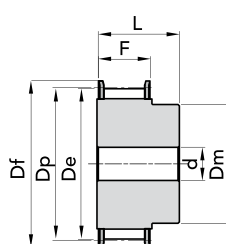
### PHOSPHATED

Different pitch of teeth available on demand.

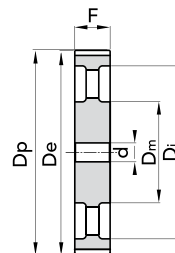
### MATERIAL

C45 EN 10083

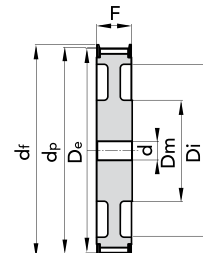
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 5



EXEC. 6F

| TYPE        | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F   | L   | d Ø Bore | N. FLANGE | Kg    |
|-------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|-----|-----|----------|-----------|-------|
| 28-14M- 85F | 40685028  | 28       | 1F    | 124,78         | 122,12         | 128                   | 100                | -              | 102 | 117 | -        | 153       | 8,77  |
| 29-14M- 85F | on demand | 29       | 1F    | 129,23         | 126,57         | 138                   | 100                | -              | 102 | 117 | -        | 154       | -     |
| 30-14M- 85F | 40685030  | 30       | 1F    | 133,69         | 130,99         | 138                   | 100                | -              | 102 | 117 | -        | 154       | 9,45  |
| 32-14M- 85F | 40685032  | 32       | 1F    | 142,60         | 139,88         | 154                   | 100                | -              | 102 | 117 | -        | 160       | 10,13 |
| 34-14M- 85F | 40685034  | 34       | 1F    | 151,52         | 148,79         | 160                   | 100                | -              | 102 | 117 | -        | 166       | 11,65 |
| 36-14M- 85F | 40685036  | 36       | 1F    | 160,43         | 157,68         | 168                   | 100                | -              | 102 | 117 | -        | 168       | 14,48 |
| 38-14M- 85F | 40685038  | 38       | 1F    | 169,34         | 166,60         | 183                   | 120                | -              | 102 | 117 | -        | 172       | 16,62 |
| 40-14M- 85F | 40685040  | 40       | 1F    | 178,25         | 175,49         | 188                   | 135                | -              | 102 | 117 | -        | 162       | 18,84 |
| 44-14M- 85F | 40685044  | 44       | 1F    | 196,08         | 193,28         | 211                   | 135                | -              | 102 | 117 | -        | 175       | 23,00 |
| 48-14M- 85F | 40685048  | 48       | 1F    | 213,90         | 211,11         | 226                   | 150                | -              | 102 | 117 | -        | 180       | 27,58 |
| 56-14M- 85F | 40685056  | 56       | 6F    | 249,55         | 246,76         | 256                   | 150                | 207            | 102 | 102 | 32       | 182       | 24,19 |
| 64-14M- 85F | 40685064  | 64       | 6F    | 285,21         | 282,41         | 296                   | 150                | 240            | 102 | 102 | 32       | 184       | 28,57 |
| 72-14M- 85  | 40685072  | 72       | 5     | 320,86         | 318,06         | -                     | 150                | 278            | 102 | 102 | 32       | -         | 28,26 |
| 80-14M- 85  | 40685080  | 80       | 5     | 356,51         | 353,71         | -                     | 150                | 314            | 102 | 102 | 32       | -         | 31,00 |
| 90-14M- 85  | 40685090  | 90       | 5     | 401,07         | 398,28         | -                     | 150                | 358            | 102 | 102 | 32       | -         | 35,00 |
| 112-14M- 85 | 40685112  | 112      | 5     | 499,11         | 496,32         | -                     | 150                | 456            | 102 | 102 | 32       | -         | 43,50 |
| 144-14M- 85 | 40685144  | 144      | 5     | 641,71         | 638,92         | -                     | 150                | 600            | 102 | 102 | 32       | -         | 50,00 |
| 168-14M- 85 | 40685168  | 168      | 5     | 748,66         | 745,87         | -                     | 150                | 706            | 102 | 102 | 32       | -         | 63,00 |
| 192-14M- 85 | 40685192  | 192      | 5     | 855,62         | 852,82         | -                     | 165                | 813            | 102 | 102 | 32       | -         | 76,00 |
| 216-14M- 85 | on demand | 216      | 5     | 962,57         | 959,76         | -                     | 165                | 920            | 102 | 102 | 32       | -         | -     |
| 216-14M-40  | on demand | 216      | 5     | 962,57         | 959,76         | -                     | 150                | 920            | 54  | 69  | 28       | -         | -     |





## TYPE 14M 115

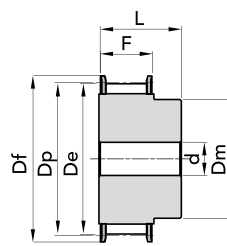
### PHOSPHATED

Different pitch of teeth available on demand.

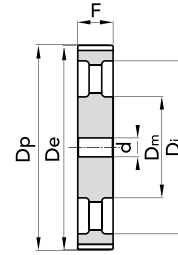
#### MATERIAL

C45 EN 10083

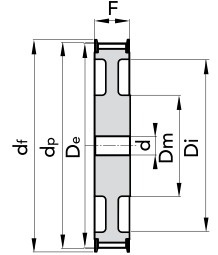
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 5



EXEC. 6F

| TYPE         | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F   | L   | d Ø Bore | N. FLANGE | Kg    |
|--------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|-----|-----|----------|-----------|-------|
| 28-14M- 115F | 40690028  | 28       | 1F    | 124,78         | 122,12         | 128                   | 100                | -              | 133 | 148 | -        | 153       | 11,00 |
| 29-14M- 115F | on demand | 29       | 1F    | 129,23         | 126,57         | 138                   | 100                | -              | 133 | 148 | -        | 154       | -     |
| 30-14M- 115F | 40690030  | 30       | 1F    | 133,69         | 130,99         | 138                   | 100                | -              | 133 | 148 | -        | 154       | 12,52 |
| 32-14M- 115F | 40690032  | 32       | 1F    | 142,60         | 139,88         | 154                   | 100                | -              | 133 | 148 | -        | 160       | 14,48 |
| 34-14M- 115F | 40690034  | 34       | 1F    | 151,52         | 148,79         | 160                   | 100                | -              | 133 | 148 | -        | 166       | 16,45 |
| 36-14M- 115F | 40690036  | 36       | 1F    | 160,43         | 157,68         | 168                   | 120                | -              | 133 | 148 | -        | 168       | 18,99 |
| 38-14M- 115F | 40690038  | 38       | 1F    | 169,34         | 166,60         | 183                   | 120                | -              | 133 | 148 | -        | 172       | 21,31 |
| 40-14M- 115F | 40690040  | 40       | 1F    | 178,25         | 175,49         | 188                   | 135                | -              | 133 | 148 | -        | 162       | 24,04 |
| 44-14M- 115F | 40690044  | 44       | 1F    | 196,08         | 193,28         | 211                   | 140                | -              | 133 | 148 | -        | 175       | 29,00 |
| 48-14M- 115F | 40690048  | 48       | 1F    | 213,90         | 211,11         | 226                   | 150                | -              | 133 | 148 | -        | 180       | 35,00 |
| 56-14M- 115F | 40690056  | 56       | 1F    | 249,55         | 246,76         | 256                   | 150                | -              | 133 | 148 | 32       | 182       | 48,00 |
| 64-14M- 115F | 40690064  | 64       | 6F    | 285,21         | 282,41         | 296                   | 150                | 240            | 133 | 133 | 32       | 184       | 36,00 |
| 72-14M- 115  | 40690072  | 72       | 5     | 320,86         | 318,06         | -                     | 150                | 278            | 133 | 133 | 32       | -         | 36,00 |
| 80-14M- 115  | 40690080  | 80       | 5     | 356,51         | 353,71         | -                     | 150                | 314            | 133 | 133 | 32       | -         | 40,00 |
| 90-14M- 115  | 40690090  | 90       | 5     | 401,07         | 398,28         | -                     | 150                | 358            | 133 | 133 | 32       | -         | 45,00 |
| 112-14M- 115 | 40690112  | 112      | 5     | 499,11         | 496,32         | -                     | 150                | 456            | 133 | 133 | 32       | -         | 55,50 |
| 144-14M- 115 | 40690144  | 144      | 5     | 641,71         | 638,92         | -                     | 165                | 600            | 133 | 133 | 32       | -         | 71,00 |
| 168-14M- 115 | 40690168  | 168      | 5     | 748,66         | 745,87         | -                     | 165                | 706            | 133 | 133 | 32       | -         | 83,00 |
| 192-14M- 115 | 40690192  | 192      | 5     | 855,62         | 852,82         | -                     | 165                | 813            | 133 | 133 | 32       | -         | 96,00 |
| 216-14M- 115 | on demand | 216      | 5     | 962,57         | 959,76         | -                     | 165                | 920            | 133 | 133 | 32       | -         | -     |



## TYPE 14M 170

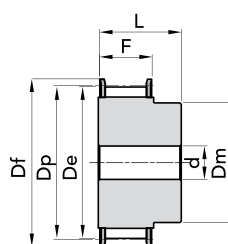
### PHOSPHATED

Different pitch of teeth available on demand.

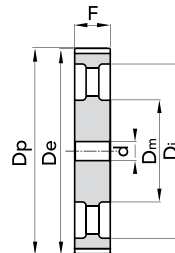
### MATERIAL

C45 EN 10083

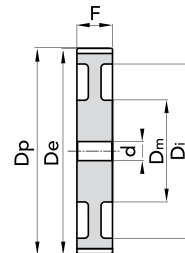
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 5



EXEC. 7

| TYPE         | CODE      | N. TEETH | EXEC. | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | D <sub>i</sub> | F   | L   | d Ø Bore | N. FLANGE | Kg     |
|--------------|-----------|----------|-------|----------------|----------------|-----------------------|--------------------|----------------|-----|-----|----------|-----------|--------|
| 28-14M- 170F | 40692028  | 28       | 1F    | 124,78         | 122,12         | 128                   | 100                | -              | 187 | 202 | -        | 153       | 14,79  |
| 29-14M- 170F | on demand | 29       | 1F    | 129,23         | 126,57         | 138                   | 100                | -              | 187 | 202 | -        | 154       | -      |
| 30-14M- 170F | 40692030  | 30       | 1F    | 133,69         | 130,99         | 138                   | 100                | -              | 187 | 202 | -        | 154       | 17,24  |
| 32-14M- 170F | 40692032  | 32       | 1F    | 142,60         | 139,88         | 154                   | 100                | -              | 187 | 202 | -        | 160       | 19,92  |
| 34-14M- 170F | 40692034  | 34       | 1F    | 151,52         | 148,79         | 160                   | 100                | -              | 187 | 202 | -        | 166       | 22,72  |
| 36-14M- 170F | 40692036  | 36       | 1F    | 160,43         | 157,68         | 168                   | 120                | -              | 187 | 202 | -        | 168       | 26,07  |
| 38-14M- 170F | 40692038  | 38       | 1F    | 169,34         | 166,60         | 183                   | 135                | -              | 187 | 202 | -        | 172       | 29,71  |
| 40-14M- 170F | 40692040  | 40       | 1F    | 178,25         | 175,49         | 188                   | 140                | -              | 187 | 202 | -        | 162       | 33,50  |
| 44-14M- 170F | on demand | 44       | 1F    | 196,08         | 193,28         | 211                   | 160                | -              | 187 | 202 | -        | 175       | -      |
| 48-14M- 170F | on demand | 48       | 1F    | 213,90         | 211,11         | 226                   | 160                | -              | 187 | 202 | -        | 180       | -      |
| 56-14M- 170F | on demand | 56       | 1F    | 249,55         | 246,76         | 256                   | 160                | -              | 187 | 202 | -        | 182       | -      |
| 64-14M- 170F | on demand | 64       | 1F    | 285,21         | 282,41         | 296                   | 180                | -              | 187 | 202 | -        | 184       | -      |
| 72-14M- 170  | on demand | 72       | 7     | 320,86         | 318,06         | -                     | 180                | 278            | 187 | 187 | 32       | -         | -      |
| 80-14M- 170  | 40692080  | 80       | 7     | 356,51         | 353,71         | -                     | 180                | 314            | 187 | 187 | 32       | -         | 71,00  |
| 90-14M- 170  | 40692090  | 90       | 5     | 401,07         | 398,28         | -                     | 180                | 358            | 187 | 187 | 38       | -         | 73,00  |
| 112-14M- 170 | 40692112  | 112      | 5     | 499,11         | 496,32         | -                     | 200                | 456            | 187 | 187 | 38       | -         | 95,00  |
| 144-14M- 170 | 40692144  | 144      | 5     | 641,71         | 638,92         | -                     | 220                | 600            | 187 | 187 | 38       | -         | 114,00 |
| 168-14M- 170 | 40692168  | 168      | 5     | 748,66         | 745,87         | -                     | 220                | 706            | 187 | 187 | 38       | -         | 142,00 |
| 192-14M- 170 | on demand | 192      | 5     | 855,61         | 852,82         | -                     | 220                | 813            | 187 | 187 | 38       | -         | -      |
| 216-14M- 170 | on demand | 216      | 5     | 962,57         | 959,76         | -                     | 220                | 920            | 187 | 187 | 38       | -         | -      |



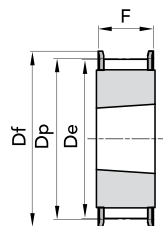


# TYPE 5M 15

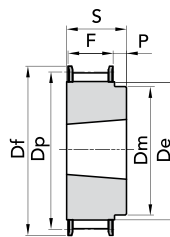
Different pitch of teeth available on demand.

## MATERIAL

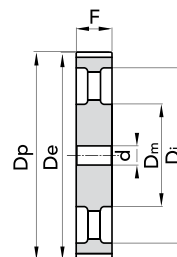
C45 EN 10083



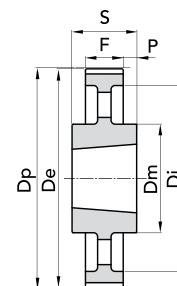
EXEC. 1F



EXEC. 5F



EXEC. 5



EXEC. 13

| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø D <sub>i</sub> | F  | S  | P  | N. FLANGE | Kg   |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------------------|------------------|----|----|----|-----------|------|
| TL 34- 5M- 15  | 41215034 | 34       | 1F    | 1008 | 25       | 54,11          | 52,97          | 57                    | -                  | -                | 22 | 22 | -  | 20        | 0,20 |
| TL 36- 5M- 15  | 41215036 | 36       | 1F    | 1108 | 25       | 57,30          | 56,15          | 60                    | -                  | -                | 22 | 22 | -  | 21        | 0,25 |
| TL 38- 5M- 15  | 41215038 | 38       | 1F    | 1108 | 25       | 60,48          | 59,34          | 66,5                  | -                  | -                | 22 | 22 | -  | 24        | 0,30 |
| TL 40- 5M- 15  | 41215040 | 40       | 1F    | 1108 | 25       | 63,66          | 62,52          | 71                    | -                  | -                | 22 | 22 | -  | 25        | 0,35 |
| TL 44- 5M- 15  | 41215044 | 44       | 1F    | 1108 | 25       | 70,03          | 68,89          | 75                    | -                  | -                | 22 | 22 | -  | 27        | 0,40 |
| TL 48- 5M- 15  | 41215048 | 48       | 5F    | 1210 | 32       | 76,39          | 75,25          | 83                    | 59                 | -                | 22 | 25 | 3  | 29        | 0,46 |
| TL 56- 5M- 15  | 41215056 | 56       | 5F    | 1210 | 32       | 89,13          | 87,98          | 93                    | 70                 | -                | 22 | 25 | 3  | 33        | 0,60 |
| TL 64- 5M- 15  | 41215064 | 64       | 5F    | 1210 | 32       | 101,86         | 100,72         | 106                   | 80                 | -                | 22 | 25 | 3  | 38        | 0,80 |
| TL 72- 5M- 15  | 41215072 | 72       | 5     | 1610 | 42       | 114,59         | 113,45         | -                     | 92                 | -                | 22 | 25 | 3  | -         | 1,20 |
| TL 80- 5M- 15  | 41215080 | 80       | 5     | 1610 | 42       | 127,32         | 126,18         | -                     | 92                 | -                | 22 | 25 | 3  | -         | 1,76 |
| TL 90- 5M- 15  | 41215090 | 90       | 5     | 1610 | 42       | 143,24         | 142,10         | -                     | 92                 | -                | 22 | 25 | 3  | -         | 2,32 |
| TL 112- 5M- 15 | 41215112 | 112      | 5     | 2012 | 50       | 178,25         | 177,11         | -                     | 110                | -                | 20 | 32 | 12 | -         | 3,72 |
| TL 136- 5M- 15 | 41215136 | 136      | 13    | 2012 | 50       | 216,45         | 215,31         | -                     | 110                | 199              | 20 | 32 | 6  | -         | 3,82 |



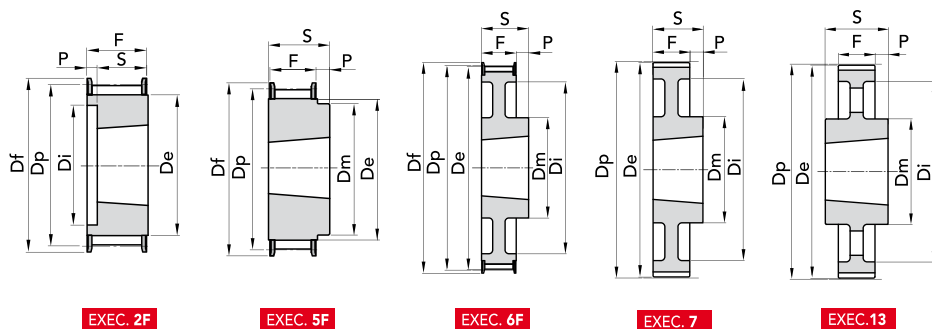
## TYPE 8M 20

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 2F

EXEC. 5F

EXEC. 6F

EXEC. 7

EXEC. 13

| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø D <sub>i</sub> | F  | S  | P  | N. FLANGE | Kg   |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------------------|------------------|----|----|----|-----------|------|
| TL 22- 8M- 20  | 41420022 | 22       | 2F    | 1008 | 25       | 56,02          | 54,65          | 60                    | -                  | 37               | 28 | 22 | 6  | 53        | 0,25 |
| TL 24- 8M- 20  | 41420024 | 24       | 2F    | 1108 | 28       | 61,12          | 59,75          | 66                    | -                  | 44               | 28 | 22 | 6  | 69        | 0,30 |
| TL 26- 8M- 20  | 41420026 | 26       | 2F    | 1108 | 28       | 66,21          | 64,85          | 70                    | -                  | 45               | 28 | 22 | 6  | 61        | 0,36 |
| TL 28- 8M- 20  | 41420028 | 28       | 2F    | 1108 | 28       | 71,30          | 70,08          | 75                    | -                  | 50               | 28 | 22 | 6  | 79        | 0,45 |
| TL 30- 8M- 20  | 41420030 | 30       | 2F    | 1108 | 28       | 76,39          | 75,13          | 82,5                  | -                  | 58               | 28 | 22 | 6  | 73        | 0,55 |
| TL 32- 8M- 20  | 41420032 | 32       | 2F    | 1610 | 42       | 81,49          | 80,16          | 87                    | -                  | 63               | 28 | 25 | 3  | 76        | 0,43 |
| TL 34- 8M- 20  | 41420034 | 34       | 2F    | 1610 | 42       | 86,58          | 85,22          | 91                    | -                  | 64               | 28 | 25 | 3  | 66        | 0,57 |
| TL 36- 8M- 20  | 41420036 | 36       | 2F    | 1610 | 42       | 91,67          | 90,30          | 97                    | -                  | 68               | 28 | 25 | 3  | 68        | 0,70 |
| TL 38- 8M- 20  | 41420038 | 38       | 2F    | 1610 | 42       | 96,77          | 95,39          | 102                   | -                  | 72               | 28 | 25 | 3  | 70        | 0,82 |
| TL 40- 8M- 20  | 41420040 | 40       | 2F    | 1610 | 42       | 101,86         | 100,49         | 106                   | -                  | 76               | 28 | 25 | 3  | 77        | 1,10 |
| TL 44- 8M- 20  | 41420044 | 44       | 5F    | 2012 | 50       | 112,05         | 110,67         | 120                   | 92                 | -                | 28 | 32 | 4  | 75        | 1,20 |
| TL 48- 8M- 20  | 41420048 | 48       | 5F    | 2012 | 50       | 122,23         | 120,86         | 128                   | 96                 | -                | 28 | 32 | 4  | 78        | 1,65 |
| TL 56- 8M- 20  | 41420056 | 56       | 5F    | 2012 | 50       | 142,60         | 141,23         | 150                   | 110                | -                | 28 | 32 | 4  | 85        | 2,50 |
| TL 64- 8M- 20  | 41420064 | 64       | 6F    | 2012 | 50       | 162,97         | 161,60         | 168                   | 110                | 137              | 28 | 32 | 4  | 90        | 2,60 |
| TL 72- 8M- 20  | 41420072 | 72       | 6F    | 2012 | 50       | 183,35         | 181,97         | 192                   | 110                | 158              | 28 | 32 | 4  | 97        | 3,40 |
| TL 80- 8M- 20  | 41420080 | 80       | 7     | 2012 | 50       | 203,72         | 202,35         | -                     | 110                | 180              | 28 | 32 | 4  | -         | 3,60 |
| TL 90- 8M- 20  | 41420090 | 90       | 7     | 2012 | 50       | 229,18         | 227,81         | -                     | 110                | 204              | 28 | 32 | 4  | -         | 4,10 |
| TL 112- 8M- 20 | 41420112 | 112      | 7     | 2517 | 65       | 285,21         | 283,83         | -                     | 125                | 254              | 28 | 45 | 17 | -         | 4,57 |
| TL 144- 8M- 20 | 41420144 | 144      | 13    | 2517 | 65       | 366,69         | 365,32         | -                     | 125                | 336              | 28 | 45 | 12 | -         | 5,00 |







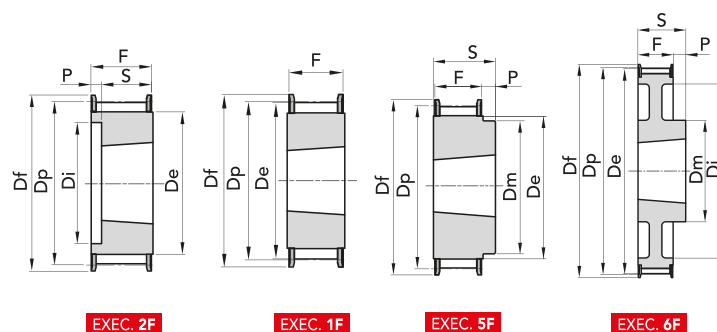
# TYPE 8M 30

Different pitch of teeth available on demand.

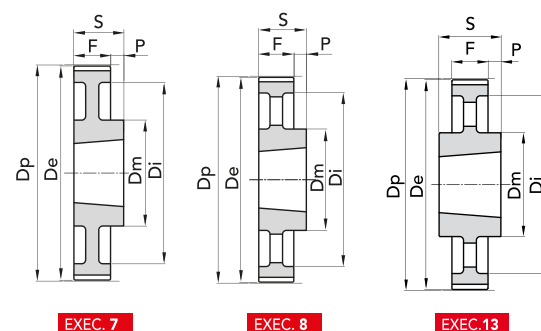
## MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø D <sub>i</sub> | F  | S  | P    | N. FLANGE | Kg    |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------------------|------------------|----|----|------|-----------|-------|
| TL 22- 8M- 30  | 41430022 | 22       | 2F    | 1008 | 25       | 56,02          | 54,65          | 60                    | -                  | 37               | 38 | 22 | 16   | 53        | 0,33  |
| TL 24- 8M- 30  | 41430024 | 24       | 2F    | 1108 | 28       | 61,12          | 59,75          | 66                    | -                  | 44               | 38 | 22 | 16   | 69        | 0,40  |
| TL 26- 8M- 30  | 41430026 | 26       | 2F    | 1108 | 28       | 66,21          | 64,85          | 70                    | -                  | 44               | 38 | 22 | 16   | 61        | 0,45  |
| TL 28- 8M- 30  | 41430028 | 28       | 2F    | 1210 | 32       | 71,30          | 70,08          | 75                    | -                  | 50               | 38 | 25 | 13   | 79        | 0,50  |
| TL 30- 8M- 30  | 41430030 | 30       | 1F    | 1615 | 42       | 76,39          | 75,13          | 82,5                  | -                  | -                | 38 | 38 | -    | 73        | 0,55  |
| TL 32- 8M- 30  | 41430032 | 32       | 1F    | 1615 | 42       | 81,49          | 80,16          | 87                    | -                  | -                | 38 | 38 | -    | 76        | 0,60  |
| TL 34- 8M- 30  | 41430034 | 34       | 1F    | 1615 | 42       | 86,58          | 85,22          | 91                    | -                  | -                | 38 | 38 | -    | 66        | 0,80  |
| TL 36- 8M- 30  | 41430036 | 36       | 1F    | 1615 | 42       | 91,57          | 90,30          | 97                    | -                  | -                | 38 | 38 | -    | 68        | 1,00  |
| TL 38- 8M- 30  | 41430038 | 38       | 1F    | 1615 | 42       | 96,77          | 95,39          | 102                   | -                  | -                | 38 | 38 | -    | 70        | 1,10  |
| TL 40- 8M- 30  | 41430040 | 40       | 1F    | 1615 | 42       | 101,86         | 100,49         | 106                   | -                  | -                | 38 | 38 | -    | 77        | 1,34  |
| TL 44- 8M- 30  | 41430044 | 44       | 2F    | 2012 | 50       | 112,05         | 110,67         | 120                   | -                  | 86               | 38 | 32 | 6    | 75        | 1,30  |
| TL 48- 8M- 30  | 41430048 | 48       | 2F    | 2012 | 50       | 122,23         | 120,86         | 128                   | -                  | 90               | 38 | 32 | 6    | 78        | 1,80  |
| TL 56- 8M- 30  | 41430056 | 56       | 2F    | 2012 | 50       | 142,60         | 141,23         | 150                   | -                  | 110              | 38 | 32 | 6    | 85        | 3,80  |
| TL 64- 8M- 30  | 41430064 | 64       | 5F    | 2517 | 65       | 162,97         | 161,60         | 168                   | 125                | -                | 38 | 45 | 7    | 90        | 4,30  |
| TL 72- 8M- 30  | 41430072 | 72       | 6F    | 2517 | 65       | 183,35         | 181,97         | 192                   | 125                | 158              | 38 | 45 | 7    | 97        | 4,40  |
| TL 80- 8M- 30  | 41430080 | 80       | 7     | 2517 | 65       | 203,72         | 202,35         | -                     | 125                | 180              | 38 | 45 | 7    | -         | 4,65  |
| TL 90- 8M- 30  | 41430090 | 90       | 7     | 2517 | 65       | 229,18         | 227,81         | -                     | 125                | 204              | 38 | 45 | 7    | -         | 5,80  |
| TL 112- 8M- 30 | 41430112 | 112      | 7     | 2517 | 65       | 285,21         | 283,83         | -                     | 125                | 254              | 38 | 45 | 7    | -         | 6,20  |
| TL 144- 8M- 30 | 41430144 | 144      | 8     | 2517 | 65       | 366,69         | 365,32         | -                     | 125                | 336              | 38 | 45 | 7    | -         | 9,00  |
| TL 168- 8M- 30 | 41430168 | 168      | 8     | 2517 | 65       | 427,81         | 426,44         | -                     | 125                | 395              | 38 | 45 | 7    | -         | 11,80 |
| TL 192- 8M- 30 | 41430192 | 192      | 13    | 3525 | 65       | 488,92         | 487,55         | -                     | 198                | 455              | 38 | 65 | 13,5 | -         | 14,00 |





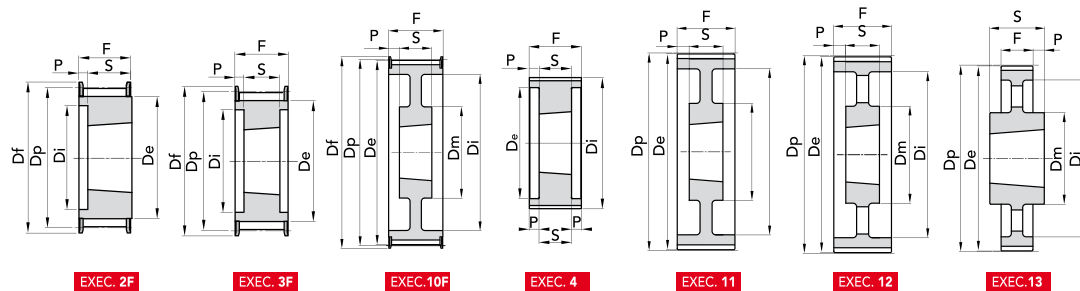
## TYPE 8M 50

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø D <sub>i</sub> | F  | S  | P   | N. FLANGE | Kg    |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------------------|------------------|----|----|-----|-----------|-------|
| TL 28- 8M- 50  | 41450028 | 28       | 2F    | 1210 | 32       | 71,30          | 70,08          | 75                    | -                  | 50               | 60 | 25 | 35  | 79        | 0,60  |
| TL 30- 8M- 50  | 41450030 | 30       | 2F    | 1615 | 42       | 76,39          | 75,13          | 82,5                  | -                  | 58               | 60 | 38 | 22  | 73        | 0,65  |
| TL 32- 8M- 50  | 41450032 | 32       | 2F    | 1615 | 42       | 81,49          | 80,16          | 87                    | -                  | 63               | 60 | 38 | 22  | 76        | 0,80  |
| TL 34- 8M- 50  | 41450034 | 34       | 2F    | 1615 | 42       | 86,58          | 85,22          | 91                    | -                  | 65               | 60 | 38 | 22  | 66        | 1,08  |
| TL 36- 8M- 50  | 41450036 | 36       | 2F    | 1615 | 42       | 91,67          | 90,30          | 97                    | -                  | 68               | 60 | 38 | 22  | 68        | 1,35  |
| TL 38- 8M- 50  | 41450038 | 38       | 2F    | 1615 | 42       | 96,77          | 95,39          | 102                   | -                  | 72               | 60 | 38 | 22  | 70        | 1,65  |
| TL 40- 8M- 50  | 41450040 | 40       | 3F    | 2012 | 50       | 101,86         | 100,49         | 106                   | -                  | 80               | 60 | 32 | 14  | 77        | 1,70  |
| TL 44- 8M- 50  | 41450044 | 44       | 3F    | 2012 | 50       | 112,05         | 110,67         | 120                   | -                  | 86               | 60 | 32 | 14  | 75        | 1,80  |
| TL 48- 8M- 50  | 41450048 | 48       | 3F    | 2012 | 50       | 122,23         | 120,86         | 128                   | -                  | 95               | 60 | 32 | 14  | 78        | 2,35  |
| TL 56- 8M- 50  | 41450056 | 56       | 3F    | 2517 | 65       | 142,60         | 141,23         | 150                   | -                  | 116              | 60 | 45 | 7,5 | 85        | 3,35  |
| TL 64- 8M- 50  | 41450064 | 64       | 3F    | 2517 | 65       | 162,97         | 161,60         | 168                   | -                  | 136              | 60 | 45 | 7,5 | 90        | 4,90  |
| TL 72- 8M- 50  | 41450072 | 72       | 10F   | 2517 | 65       | 183,35         | 181,97         | 192                   | 125                | 158              | 60 | 45 | 7,5 | 97        | 6,90  |
| TL 80- 8M- 50  | 41450080 | 80       | 4     | 3020 | 75       | 203,72         | 202,30         | -                     | -                  | 180              | 60 | 51 | 4,5 | -         | 8,90  |
| TL 90- 8M- 50  | 41450090 | 90       | 11    | 3020 | 75       | 229,18         | 227,81         | -                     | 160                | 204              | 60 | 51 | 4,5 | -         | 9,90  |
| TL 112- 8M- 50 | 41450112 | 112      | 12    | 3020 | 75       | 285,21         | 283,83         | -                     | 170                | 254              | 60 | 51 | 4,5 | -         | 12,10 |
| TL 144- 8M- 50 | 41450144 | 144      | 12    | 3020 | 75       | 366,69         | 365,32         | -                     | 170                | 336              | 60 | 51 | 4,5 | -         | 15,40 |
| TL 168- 8M- 50 | 41450168 | 168      | 13    | 3525 | 90       | 427,81         | 426,44         | -                     | 198                | 395              | 60 | 65 | 2,5 | -         | 22,80 |
| TL 192- 8M- 50 | 41450192 | 192      | 13    | 3525 | 90       | 488,92         | 487,55         | -                     | 198                | 455              | 60 | 65 | 2,5 | -         | 26,50 |





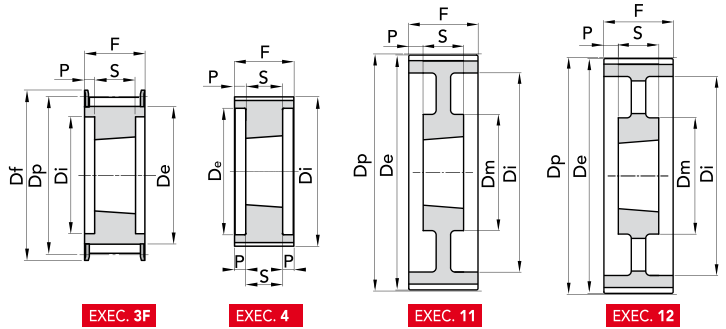
## TYPE 8M 85

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø D <sub>i</sub> | F  | S  | P    | N. FLANGE | Kg    |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------|------------------|----|----|------|-----------|-------|
| TL 34- 8M- 85  | 41485034 | 34       | 3F    | 1615 | 42       | 86,58          | 85,22          | 91                    | -      | 65               | 95 | 38 | 28,5 | 66        | 1,50  |
| TL 36- 8M- 85  | 41485036 | 36       | 3F    | 1615 | 42       | 91,67          | 90,30          | 97                    | -      | 68               | 95 | 38 | 28,5 | 68        | 1,90  |
| TL 38- 8M- 85  | 41485038 | 38       | 3F    | 1615 | 42       | 96,77          | 95,39          | 102                   | -      | 72               | 95 | 38 | 28,5 | 70        | 2,20  |
| TL 40- 8M- 85  | 41485040 | 40       | 3F    | 2012 | 50       | 101,86         | 100,49         | 106                   | -      | 80               | 95 | 32 | 31,5 | 77        | 1,90  |
| TL 44- 8M- 85  | 41485044 | 44       | 3F    | 2012 | 50       | 112,05         | 110,67         | 120                   | -      | 86               | 95 | 32 | 31,5 | 75        | 2,30  |
| TL 48- 8M- 85  | 41485048 | 48       | 3F    | 2517 | 65       | 122,23         | 120,86         | 128                   | -      | 97               | 95 | 45 | 25   | 78        | 2,70  |
| TL 56- 8M- 85  | 41485056 | 56       | 3F    | 2517 | 65       | 142,60         | 141,23         | 150                   | -      | 116              | 95 | 45 | 25   | 85        | 4,50  |
| TL 64- 8M- 85  | 41485064 | 64       | 3F    | 2517 | 65       | 162,97         | 161,60         | 168                   | -      | 136              | 95 | 45 | 25   | 90        | 6,30  |
| TL 72- 8M- 85  | 41485072 | 72       | 3F    | 3020 | 75       | 183,35         | 181,97         | 192                   | -      | 150              | 95 | 51 | 22   | 97        | 8,10  |
| TL 80- 8M- 85  | 41485080 | 80       | 4     | 3020 | 75       | 203,72         | 202,35         | -                     | -      | 180              | 95 | 51 | 22   | -         | 10,20 |
| TL 90- 8M- 85  | 41485090 | 90       | 4     | 3020 | 75       | 229,18         | 227,81         | -                     | -      | 204              | 95 | 51 | 22   | -         | 11,20 |
| TL 112- 8M- 85 | 41485112 | 112      | 11    | 3020 | 75       | 285,21         | 283,83         | -                     | 170    | 254              | 95 | 51 | 22   | -         | 15,00 |
| TL 144- 8M- 85 | 41485144 | 144      | 11    | 3525 | 90       | 366,69         | 365,32         | -                     | 198    | 336              | 95 | 65 | 15   | -         | 20,20 |
| TL 168- 8M- 85 | 41485168 | 168      | 12    | 3525 | 90       | 427,81         | 426,44         | -                     | 198    | 395              | 95 | 65 | 15   | -         | 22,40 |
| TL 192- 8M- 85 | 41485192 | 192      | 12    | 3525 | 90       | 488,92         | 487,55         | -                     | 198    | 455              | 95 | 65 | 15   | -         | 28,20 |



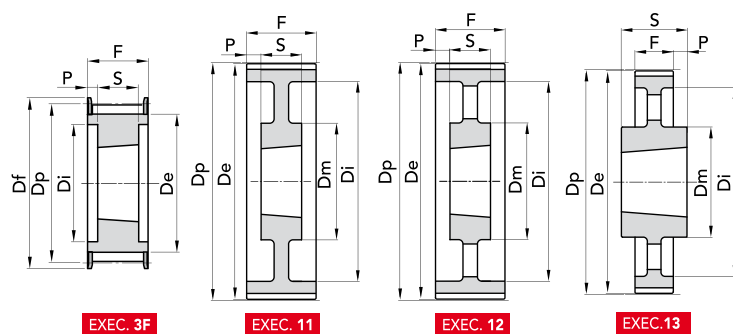
## TYPE 14M 40

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø D <sub>i</sub> | F  | S   | P   | N. FLANGE | Kg    |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------------------|------------------|----|-----|-----|-----------|-------|
| TL 28-14M- 40  | 41640028 | 28       | 3F    | 2012 | 50       | 124,78         | 122,12         | 128                   | -                  | 94               | 54 | 32  | 11  | 153       | 2,10  |
| TL 29-14M- 40  | 41640029 | 29       | 3F    | 2012 | 50       | 129,23         | 126,57         | 138                   | -                  | 96               | 54 | 32  | 11  | 154       | 2,40  |
| TL 30-14M- 40  | 41640030 | 30       | 3F    | 2012 | 50       | 133,69         | 139,99         | 138                   | -                  | 98               | 54 | 32  | 11  | 154       | 2,70  |
| TL 32-14M- 40  | 41640032 | 32       | 3F    | 2012 | 50       | 142,60         | 139,88         | 154                   | -                  | 108              | 54 | 32  | 11  | 160       | 3,40  |
| TL 34-14M- 40  | 41640034 | 34       | 3F    | 2517 | 65       | 151,52         | 148,79         | 160                   | -                  | 110              | 54 | 45  | 4,5 | 166       | 3,90  |
| TL 36-14M- 40  | 41640036 | 36       | 3F    | 2517 | 65       | 160,43         | 157,68         | 168                   | -                  | 120              | 54 | 45  | 4,5 | 168       | 4,80  |
| TL 38-14M- 40  | 41640038 | 38       | 3F    | 2517 | 65       | 169,34         | 166,60         | 183                   | -                  | 130              | 54 | 45  | 4,5 | 172       | 5,40  |
| TL 40-14M- 40  | 41640040 | 40       | 3F    | 2517 | 65       | 178,25         | 175,49         | 188                   | -                  | 138              | 54 | 45  | 4,5 | 162       | 6,00  |
| TL 42-14M- 40  | 41640042 | 42       | 3F    | 3020 | 75       | 187,16         | 184,37         | 200                   | -                  | 147              | 54 | 51  | 1,5 | SP        | 7,50  |
| TL 44-14M- 40  | 41640044 | 44       | 3F    | 3020 | 75       | 196,08         | 193,28         | 211                   | -                  | 155              | 54 | 51  | 1,5 | 175       | 9,00  |
| TL 48-14M- 40  | 41640048 | 48       | 3F    | 3020 | 75       | 213,90         | 211,11         | 226                   | -                  | 170              | 54 | 51  | 1,5 | 180       | 10,10 |
| TL 56-14M- 40  | 41640056 | 56       | 3F    | 3020 | 75       | 249,55         | 246,76         | 256                   | -                  | 208              | 54 | 51  | 1,5 | 182       | 13,40 |
| TL 72-14M- 40  | 41640072 | 72       | 11    | 3020 | 75       | 320,86         | 318,06         | -                     | 170                | 280              | 54 | 51  | 1,5 | -         | 15,00 |
| TL 80-14M- 40  | 41640080 | 80       | 12    | 3020 | 75       | 356,51         | 353,71         | -                     | 170                | 315              | 54 | 51  | 1,5 | -         | 16,00 |
| TL 90-14M- 40  | 41640090 | 90       | 12    | 3020 | 75       | 401,70         | 398,28         | -                     | 170                | 360              | 54 | 51  | 1,5 | -         | 18,00 |
| TL 112-14M- 40 | 41640112 | 112      | 12    | 3020 | 75       | 499,11         | 496,32         | -                     | 170                | 457              | 54 | 51  | 1,5 | -         | 25,50 |
| TL 144-14M- 40 | 41640144 | 144      | 12    | 3020 | 75       | 641,71         | 638,92         | -                     | 170                | 600              | 54 | 51  | 1,5 | -         | 32,00 |
| TL 168-14M- 40 | 41640168 | 168      | 12    | 3020 | 75       | 748,66         | 745,87         | -                     | 170                | 706              | 54 | 51  | 1,5 | -         | 53,60 |
| TL 192-14M- 40 | 41640192 | 192      | 12    | 3020 | 75       | 855,62         | 852,82         | -                     | 170                | 813              | 54 | 51  | 1,5 | -         | 65,40 |
| TL 216-14M- 40 | 41640216 | 216      | 12    | 3020 | 75       | 962,57         | 959,76         | -                     | 170                | 920              | 54 | 51  | 1,5 | -         | 87,30 |
| TL 264-14M- 40 | 41640264 | 264      | 13    | 4040 | 110      | 1176,47        | 1173,66        | -                     | 230                | 1133             | 54 | 102 | 24  | -         | 131,0 |





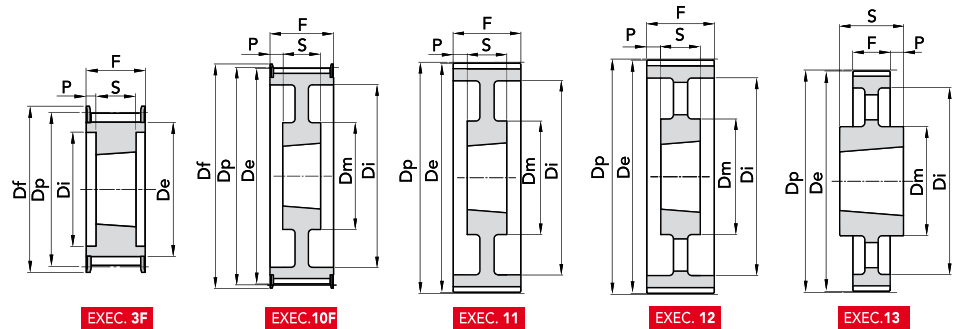
## TYPE 14M 55

Different pitch of teeth available on demand.

**MATERIAL**

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø D <sub>i</sub> | F  | S    | P    | N. FLANGE | Kg    |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------|------------------|----|------|------|-----------|-------|
| TL 28-14M- 55  | 41655028 | 28       | 3F    | 2012 | 50       | 124,78         | 122,12         | 128                   | -      | 94               | 70 | 32   | 19   | 153       | 2,20  |
| TL 29-14M- 55  | 41655029 | 29       | 3F    | 2012 | 50       | 129,23         | 126,57         | 138                   | -      | 100              | 70 | 32,0 | 19   | 154       | 2,50  |
| TL 30-14M- 55  | 41655030 | 30       | 3F    | 2517 | 65       | 133,69         | 130,99         | 138                   | -      | 100              | 70 | 45   | 12,5 | 154       | 2,70  |
| TL 32-14M- 55  | 41655032 | 32       | 3F    | 2517 | 65       | 142,60         | 139,88         | 154                   | -      | 108              | 70 | 45   | 12,5 | 160       | 3,60  |
| TL 34-14M- 55  | 41655034 | 34       | 3F    | 2517 | 65       | 151,52         | 148,79         | 160                   | -      | 110              | 70 | 45   | 12,5 | 166       | 4,50  |
| TL 36-14M- 55  | 41655036 | 36       | 3F    | 2517 | 65       | 160,43         | 157,68         | 168                   | -      | 120              | 70 | 45   | 12,5 | 168       | 5,20  |
| TL 38-14M- 55  | 41655038 | 38       | 3F    | 2517 | 65       | 169,34         | 166,60         | 183                   | -      | 130              | 70 | 45   | 12,5 | 172       | 6,20  |
| TL 40-14M- 55  | 41655040 | 40       | 3F    | 2517 | 65       | 178,25         | 175,49         | 188                   | -      | 138              | 70 | 45   | 12,5 | 162       | 7,00  |
| TL 42-14M- 55  | 41655042 | 42       | 3F    | 3020 | 75       | 187,16         | 184,37         | 200                   | -      | 147              | 70 | 51   | 9,5  | SP        | 8,00  |
| TL 44-14M- 55  | 41655044 | 44       | 3F    | 3020 | 75       | 196,08         | 193,28         | 211                   | -      | 155              | 70 | 51   | 9,5  | 175       | 8,60  |
| TL 48-14M- 55  | 41655048 | 48       | 3F    | 3020 | 75       | 213,90         | 211,11         | 226                   | -      | 170              | 70 | 51   | 9,5  | 180       | 11,00 |
| TL 56-14M- 55  | 41655056 | 56       | 3F    | 3020 | 75       | 249,55         | 246,76         | 256                   | -      | 208              | 70 | 51   | 9,5  | 182       | 13,50 |
| TL 64-14M- 55  | 41655064 | 64       | 10F   | 3020 | 75       | 285,21         | 282,41         | 296                   | 170    | 240              | 70 | 51   | 9,5  | 184       | 14,50 |
| TL 72-14M- 55  | 41655072 | 72       | 11    | 3020 | 75       | 320,86         | 318,06         | -                     | 170    | 280              | 70 | 51   | 9,5  | -         | 16,30 |
| TL 80-14M- 55  | 41655080 | 80       | 12    | 3020 | 75       | 356,51         | 353,71         | -                     | 170    | 315              | 70 | 51   | 9,5  | -         | 17,50 |
| TL 90-14M- 55  | 41655090 | 90       | 12    | 3020 | 75       | 401,07         | 398,28         | -                     | 170    | 360              | 70 | 51   | 9,5  | -         | 20,00 |
| TL 112-14M- 55 | 41655112 | 112      | 12    | 3020 | 75       | 499,11         | 496,32         | -                     | 170    | 457              | 70 | 51   | 9,5  | -         | 28,20 |
| TL 144-14M- 55 | 41655144 | 144      | 12    | 3020 | 75       | 641,71         | 638,92         | -                     | 170    | 600              | 70 | 51   | 9,5  | -         | 36,00 |
| TL 168-14M- 55 | 41655168 | 168      | 12    | 3020 | 75       | 748,66         | 745,87         | -                     | 170    | 706              | 70 | 51   | 9,5  | -         | 48,50 |
| TL 192-14M- 55 | 41655192 | 192      | 12    | 3020 | 75       | 855,62         | 852,82         | -                     | 170    | 813              | 70 | 51   | 9,5  | -         | 52,00 |
| TL 216-14M- 55 | 41655216 | 216      | 13    | 3535 | 90       | 962,57         | 959,76         | -                     | 190    | 920              | 70 | 89   | 9,5  | -         | 59,00 |
| TL 264-14M- 55 | 41655264 | 264      | 13    | 4040 | 110      | 1176,47        | 1173,66        | -                     | 230    | 1133             | 70 | 102  | 16   | -         | 97,50 |



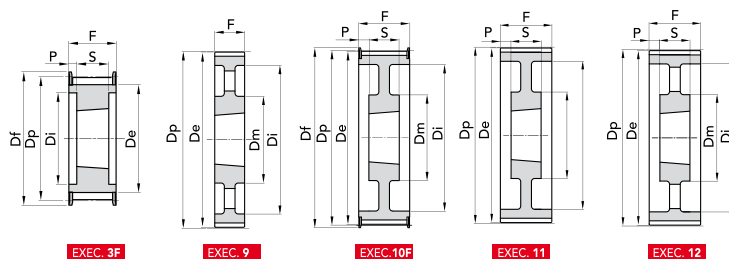
## TYPE 14M 85

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø D <sub>i</sub> | F   | S   | P    | N. FLANGE | Kg     |
|----------------|----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------|------------------|-----|-----|------|-----------|--------|
| TL 28-14M- 85  | 41685028 | 28       | 3F    | 2517 | 65       | 124,78         | 122,12         | 128                   | -      | 98               | 102 | 45  | 28,5 | 153       | 2,70   |
| TL 29-14M- 85  | 41685029 | 29       | 3F    | 2517 | 65       | 129,23         | 126,57         | 138                   | -      | 100              | 102 | 45  | 28,5 | 154       | 3,50   |
| TL 30-14M- 85  | 41685030 | 30       | 3F    | 2517 | 65       | 133,69         | 130,99         | 138                   | -      | 100              | 102 | 45  | 28,5 | 154       | 3,80   |
| TL 32-14M- 85  | 41685032 | 32       | 3F    | 2517 | 65       | 142,60         | 139,88         | 154                   | -      | 108              | 102 | 45  | 28,5 | 160       | 4,70   |
| TL 34-14M- 85  | 41685034 | 34       | 3F    | 2517 | 65       | 151,52         | 148,79         | 160                   | -      | 110              | 102 | 45  | 28,5 | 166       | 6,00   |
| TL 36-14M- 85  | 41685036 | 36       | 3F    | 3020 | 75       | 160,43         | 157,68         | 168                   | -      | 125              | 102 | 51  | 25,5 | 168       | 5,70   |
| TL 38-14M- 85  | 41685038 | 38       | 3F    | 3020 | 75       | 169,34         | 166,60         | 183                   | -      | 130              | 102 | 51  | 25,5 | 172       | 6,80   |
| TL 40-14M- 85  | 41685040 | 40       | 3F    | 3020 | 75       | 178,25         | 175,49         | 188                   | -      | 138              | 102 | 51  | 25,5 | 162       | 8,00   |
| TL 44-14M- 85  | 41685044 | 44       | 3F    | 3020 | 75       | 196,08         | 193,28         | 211                   | -      | 153              | 102 | 51  | 25,5 | 175       | 11,70  |
| TL 48-14M- 85  | 41685048 | 48       | 3F    | 3020 | 75       | 213,90         | 211,11         | 226                   | -      | 171              | 102 | 51  | 25,5 | 180       | 15,00  |
| TL 56-14M- 85  | 41685056 | 56       | 3F    | 3525 | 90       | 249,55         | 246,76         | 256                   | -      | 210              | 102 | 65  | 18,5 | 182       | 19,00  |
| TL 64-14M- 85  | 41685064 | 64       | 10F   | 3525 | 90       | 285,21         | 282,41         | 296                   | 190    | 240              | 102 | 65  | 18,5 | 184       | 24,00  |
| TL 72-14M- 85  | 41685072 | 72       | 11    | 3525 | 90       | 320,86         | 318,06         | -                     | 190    | 280              | 102 | 65  | 18,5 | -         | 25,00  |
| TL 80-14M- 85  | 41685080 | 80       | 12    | 3525 | 90       | 356,51         | 353,71         | -                     | 190    | 315              | 102 | 65  | 18,5 | -         | 26,00  |
| TL 90-14M- 85  | 41685090 | 90       | 12    | 3525 | 90       | 401,70         | 398,28         | -                     | 190    | 360              | 102 | 65  | 18,5 | -         | 28,00  |
| TL 112-14M- 85 | 41685112 | 112      | 12    | 3525 | 90       | 499,11         | 496,32         | -                     | 190    | 457              | 102 | 65  | 18,5 | -         | 36,00  |
| TL 144-14M- 85 | 41685144 | 144      | 12    | 3525 | 90       | 641,71         | 638,92         | -                     | 190    | 600              | 102 | 65  | 18,5 | -         | 48,00  |
| TL 168-14M- 85 | 41685168 | 168      | 12    | 3525 | 90       | 748,66         | 745,87         | -                     | 190    | 706              | 102 | 65  | 18,5 | -         | 60,00  |
| TL 192-14M- 85 | 41685192 | 192      | 9     | 4040 | 110      | 855,62         | 852,82         | -                     | 230    | 813              | 102 | 102 | -    | -         | 85,00  |
| TL 216-14M- 85 | 41685216 | 216      | 9     | 4040 | 110      | 962,57         | 959,76         | -                     | 230    | 920              | 102 | 102 | -    | -         | 101,50 |
| TL 264-14M- 85 | 41685264 | 264      | 9     | 4040 | 110      | 1176,47        | 1173,66        | -                     | 230    | 1133             | 102 | 102 | -    | -         | 138,00 |



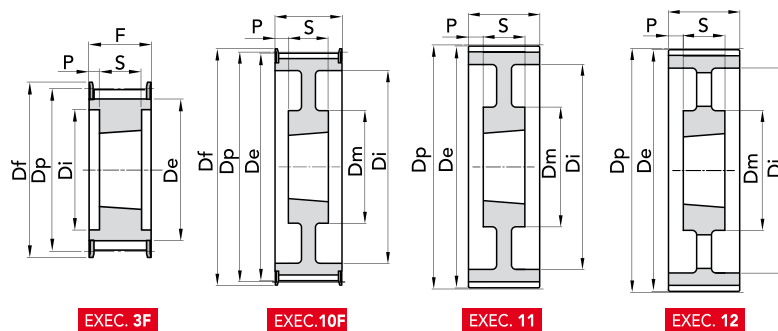
## TYPE 14M 115

Different pitch of teeth available on demand.

### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE      | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F   | S   | P    | N. FLANGE | Kg    |
|----------------|-----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------|------|-----|-----|------|-----------|-------|
| TL 28-14M-115  | 41690028  | 28       | 3F    | 2517 | 65       | 124,78         | 122,12         | 128                   | -      | 98   | 133 | 45  | 44   | 153       | 3,80  |
| TL 29-14M-115  | on demand | 29       | 3F    | 2517 | 65       | 129,23         | 126,57         | 138                   | -      | 100  | 133 | 45  | 44   | 154       | -     |
| TL 30-14M-115  | 41690030  | 30       | 3F    | 2517 | 65       | 133,69         | 130,99         | 138                   | -      | 100  | 133 | 45  | 44   | 154       | 5,00  |
| TL 32-14M-115  | 41690032  | 32       | 3F    | 2517 | 65       | 142,60         | 139,88         | 154                   | -      | 108  | 133 | 45  | 44   | 160       | 6,80  |
| TL 34-14M-115  | 41690034  | 34       | 3F    | 2517 | 65       | 151,52         | 148,79         | 160                   | -      | 110  | 133 | 45  | 44   | 166       | 6,90  |
| TL 36-14M-115  | 41690036  | 36       | 3F    | 3020 | 75       | 160,43         | 157,68         | 168                   | -      | 125  | 133 | 51  | 41   | 168       | 7,00  |
| TL 38-14M-115  | 41690038  | 38       | 3F    | 3020 | 75       | 169,34         | 166,60         | 183                   | -      | 130  | 133 | 51  | 41   | 172       | 8,50  |
| TL 40-14M-115  | 41690040  | 40       | 3F    | 3020 | 75       | 178,25         | 175,49         | 188                   | -      | 138  | 133 | 51  | 41   | 162       | 9,10  |
| TL 44-14M-115  | 41690044  | 44       | 3F    | 3030 | 75       | 196,08         | 193,28         | 211                   | -      | 155  | 133 | 76  | 28,5 | 175       | 13,00 |
| TL 48-14M-115  | 41690048  | 48       | 3F    | 3030 | 75       | 213,90         | 211,11         | 226                   | -      | 170  | 133 | 76  | 28,5 | 180       | 16,00 |
| TL 56-14M-115  | 41690056  | 56       | 3F    | 3535 | 90       | 249,55         | 246,76         | 256                   | -      | 210  | 133 | 89  | 22   | 182       | 24,00 |
| TL 64-14M-115  | 41690064  | 64       | 10F   | 3535 | 90       | 285,21         | 282,41         | 296                   | 190    | 240  | 133 | 89  | 22   | 184       | 32,00 |
| TL 72-14M-115  | 41690072  | 72       | 11    | 3535 | 90       | 320,86         | 318,06         | -                     | 190    | 280  | 133 | 89  | 22   | -         | 31,00 |
| TL 80-14M-115  | 41690080  | 80       | 12    | 3535 | 90       | 356,51         | 353,71         | -                     | 190    | 315  | 133 | 89  | 22   | -         | 32,00 |
| TL 90-14M-115  | 41690090  | 90       | 12    | 3535 | 90       | 401,07         | 398,28         | -                     | 190    | 360  | 133 | 89  | 22   | -         | 37,00 |
| TL 112-14M-115 | 41690112  | 112      | 12    | 3535 | 90       | 499,11         | 496,32         | -                     | 190    | 457  | 133 | 89  | 22   | -         | 45,00 |
| TL 144-14M-115 | 41690144  | 144      | 12    | 4040 | 110      | 641,71         | 638,92         | -                     | 230    | 600  | 133 | 102 | 15,5 | -         | 63,00 |
| TL 168-14M-115 | 41690168  | 168      | 12    | 4040 | 110      | 748,66         | 745,87         | -                     | 230    | 706  | 133 | 102 | 15,5 | -         | 77,50 |
| TL 192-14M-115 | 41690192  | 192      | 12    | 4040 | 110      | 855,62         | 852,82         | -                     | 230    | 813  | 133 | 102 | 15,5 | -         | 95,00 |
| TL 216-14M-115 | on demand | 216      | 12    | 4040 | 110      | 962,57         | 959,76         | -                     | 230    | 920  | 133 | 102 | 15,5 | -         | -     |
| TL 264-14M-115 | 41690264  | 264      | 12    | 5050 | 125      | 1176,47        | 1173,66        | -                     | 270    | 1133 | 133 | 127 | 3    | -         | 120,0 |



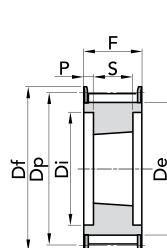
## TYPE 14M 170

Different pitch of teeth available on demand.

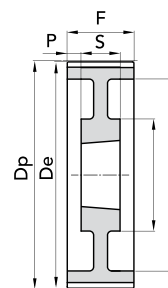
### MATERIAL

C45 EN 10083

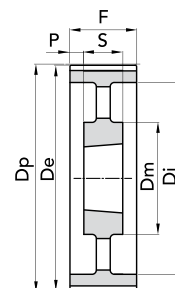
CAST-IRON G20/25 EN 1561



EXEC. 3F



EXEC. 11



EXEC. 12

| TYPE           | CODE      | N. TEETH | EXEC. | BUSH | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø D <sub>i</sub> | F   | S   | P    | N. FLANGE | Kg     |
|----------------|-----------|----------|-------|------|----------|----------------|----------------|-----------------------|--------|------------------|-----|-----|------|-----------|--------|
| TL 38-14M-170  | 41692038  | 38       | 3F    | 3030 | 75       | 169,34         | 166,60         | 183                   | -      | 130              | 187 | 76  | 55,5 | 172       | 11,70  |
| TL 40-14M-170  | 41692040  | 40       | 3F    | 3030 | 75       | 178,25         | 175,49         | 188                   | -      | 138              | 187 | 76  | 55,5 | 162       | 13,00  |
| TL 44-14M-170  | 41692044  | 44       | 3F    | 3535 | 90       | 196,08         | 193,28         | 211                   | -      | 155              | 187 | 89  | 49   | 175       | 15,00  |
| TL 48-14M-170  | 41692048  | 48       | 3F    | 3535 | 90       | 213,90         | 211,11         | 226                   | -      | 175              | 187 | 89  | 49   | 180       | 19,00  |
| TL 56-14M-170  | 41692056  | 56       | 3F    | 3535 | 90       | 249,55         | 246,76         | 256                   | -      | 210              | 187 | 89  | 49   | 182       | 28,50  |
| TL 64-14M-170  | on demand | 64       | 3F    | 4040 | 110      | 285,21         | 282,41         | 296                   | -      | 240              | 187 | 102 | 42,5 | 184       |        |
| TL 72-14M-170  | on demand | 72       | 11    | 4040 | 110      | 320,86         | 318,06         | -                     | 230    | 280              | 187 | 102 | 42,5 | -         | -      |
| TL 80-14M-170  | 41692080  | 80       | 11    | 4040 | 110      | 356,51         | 353,71         | -                     | 230    | 315              | 187 | 102 | 42,5 | -         | 48,00  |
| TL 90-14M-170  | 41692090  | 90       | 12    | 4040 | 110      | 401,07         | 398,28         | -                     | 230    | 360              | 187 | 102 | 42,5 | -         | 52,50  |
| TL 112-14M-170 | 41692112  | 112      | 12    | 5050 | 125      | 499,11         | 496,32         | -                     | 265    | 457              | 187 | 127 | 30   | -         | 74,50  |
| TL 144-14M-170 | 41692144  | 144      | 12    | 5050 | 125      | 641,71         | 638,92         | -                     | 265    | 600              | 187 | 127 | 30   | -         | 91,00  |
| TL 168-14M-170 | 41692168  | 168      | 12    | 5050 | 125      | 748,66         | 745,87         | -                     | 265    | 706              | 187 | 127 | 30   | -         | 116,00 |
| TL 192-14M-170 | on demand | 192      | 12    | 5050 | 125      | 855,62         | 852,82         | -                     | 265    | 813              | 187 | 127 | 30   | -         | -      |
| TL 216-14M-170 | on demand | 216      | 12    | 5050 | 125      | 962,57         | 959,76         | -                     | 265    | 920              | 187 | 127 | 30   | -         | -      |









## TYPE 8M-12

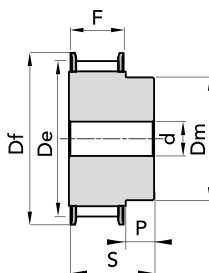
### TAPER LOCK®

Different pitch of teeth available on demand.

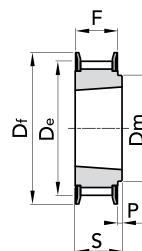
#### MATERIAL

C45 EN 10083

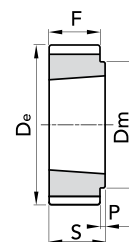
CAST-IRON G20/25 EN 1561



EXEC. 1F



EXEC. 2F



EXEC. 3

| TYPE          | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | F  | S  | P  | N. FLANGE | Kg   |
|---------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 8M-22S- 12    | 48612022 | 22       | 1F    | -     | 12 | 28       | 56,02          | 54,42          | 60                    | 43                 | 20 | 30 | 10 | 53        | 0,43 |
| TL 8M-25S- 12 | 48612025 | 25       | 2F    | 1108  |    | 28       | 63,66          | 62,06          | 70                    | 49                 | 20 | 22 | 2  | 61        | 0,25 |
| TL 8M-28S- 12 | 48612028 | 28       | 2F    | 1108  |    | 28       | 71,3           | 69,7           | 75                    | 56                 | 20 | 22 | 2  | 79        | 0,37 |
| TL 8M-30S- 12 | 48612030 | 30       | 2F    | 1210  |    | 32       | 76,39          | 74,79          | 82,5                  | 60                 | 20 | 25 | 5  | 82        | 0,41 |
| TL 8M-32S- 12 | 48612032 | 32       | 2F    | 1610  |    | 42       | 81,49          | 79,89          | 87                    | 66                 | 20 | 25 | 5  | 76        | 0,43 |
| TL 8M-34S- 12 | 48612034 | 34       | 2F    | 1610  |    | 42       | 86,58          | 84,98          | 91                    | 69                 | 20 | 25 | 5  | 66        | 0,45 |
| TL 8M-36S- 12 | 48612036 | 36       | 2F    | 1610  |    | 42       | 91,67          | 90,07          | 97                    | 76                 | 20 | 25 | 5  | 68        | 0,59 |
| TL 8M-38S- 12 | 48612038 | 38       | 2F    | 1610  |    | 42       | 96,77          | 95,17          | 102                   | 78                 | 20 | 25 | 5  | 70        | 0,70 |
| TL 8M-40S- 12 | 48612040 | 40       | 2F    | 1610  |    | 42       | 101,86         | 100,26         | 106                   | 85                 | 20 | 25 | 5  | 77        | 0,82 |
| TL 8M-45S- 12 | 48612045 | 45       | 2F    | 2012  |    | 50       | 114,59         | 112,99         | 120                   | 92                 | 20 | 32 | 12 | 75        | 1,10 |
| TL 8M-48S- 12 | 48612048 | 48       | 2F    | 2012  |    | 50       | 122,23         | 120,63         | 128                   | 103                | 20 | 32 | 12 | 78        | 1,42 |
| TL 8M-50S- 12 | 48612050 | 50       | 2F    | 2012  |    | 50       | 127,32         | 125,72         | 135                   | 104                | 20 | 32 | 12 | 80        | 1,60 |
| TL 8M-56S- 12 | 48612056 | 56       | 2F    | 2012  |    | 50       | 142,6          | 141            | 150                   | 104                | 20 | 32 | 12 | 85        | 2,10 |
| TL 8M-60S- 12 | 48612060 | 60       | 2F    | 2012  |    | 50       | 152,79         | 151,19         | 158                   | 111                | 20 | 32 | 12 | 86        | 2,40 |
| TL 8M-64S- 12 | 48612064 | 64       | 2F    | 2012  |    | 50       | 162,97         | 161,37         | 168                   | 111                | 20 | 32 | 12 | 90        | 2,70 |
| TL 8M-75S- 12 | 48612075 | 75       | 3     | 2012  |    | 50       | 190,99         | 189,39         | -                     | 111                | 20 | 32 | 12 | -         | 3,70 |
| TL 8M-80S- 12 | 48612080 | 80       | 3     | 2012  |    | 50       | 203,72         | 202,12         | -                     | 111                | 20 | 32 | 12 | -         | 4,40 |
| TL 8M-90S- 12 | 48612090 | 90       | 3     | 2012  |    | 50       | 229,18         | 227,58         | -                     | 111                | 20 | 32 | 12 | -         | 5,50 |



## TYPE 8M-21

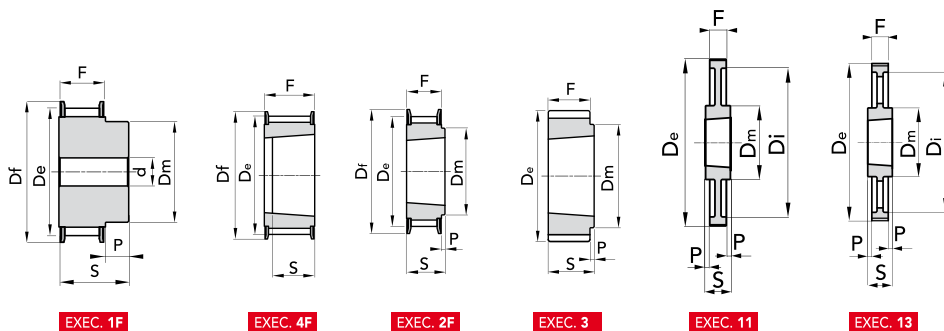
TAPER LOCK<sup>®</sup>

Different pitch of teeth available on demand.

## MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>b</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F  | S  | P    | N. FLANGE | Kg   |
|----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|----|----|------|-----------|------|
| 8M-22S- 21     | 48621022 | 22       | 1F    | -     | 12 | 28       | 56,02          | 54,42          | 60                    | 43     | -    | 30 | 40 | 10   | 53        | 0,56 |
| TL 8M-25S- 21  | 48621025 | 25       | 4F    | 1108  |    | 28       | 63,66          | 62,06          | 70                    | -      | -    | 30 | 22 | -    | 61        | 0,36 |
| TL 8M-28S- 21  | 48621028 | 28       | 4F    | 1210  |    | 32       | 71,3           | 69,7           | 75                    | -      | -    | 30 | 25 | -    | 79        | 0,41 |
| TL 8M-30S- 21  | 48621030 | 30       | 4F    | 1210  |    | 32       | 76,39          | 74,79          | 82,5                  | -      | -    | 30 | 25 | -    | 82        | 0,56 |
| TL 8M-32S- 21  | 48621032 | 32       | 4F    | 1610  |    | 42       | 81,49          | 79,89          | 87                    | -      | -    | 30 | 25 | -    | 76        | 0,52 |
| TL 8M-34S- 21  | 48621034 | 34       | 4F    | 1610  |    | 42       | 86,58          | 84,98          | 91                    | -      | -    | 30 | 25 | -    | 66        | 0,61 |
| TL 8M-36S- 21  | 48621036 | 36       | 4F    | 1610  |    | 42       | 91,67          | 90,07          | 97                    | -      | -    | 30 | 25 | -    | 68        | 0,70 |
| TL 8M-38S- 21  | 48621038 | 38       | 4F    | 1610  |    | 42       | 96,77          | 95,17          | 102                   | -      | -    | 30 | 25 | -    | 70        | 0,92 |
| TL 8M-40S- 21  | 48621040 | 40       | 4F    | 1610  |    | 42       | 101,86         | 100,26         | 106                   | -      | -    | 30 | 25 | -    | 77        | 1,06 |
| TL 8M-45S- 21  | 48621045 | 45       | 2F    | 2012  |    | 50       | 114,59         | 112,99         | 120                   | 92     | -    | 30 | 32 | 2    | 75        | 1,30 |
| TL 8M-48S- 21  | 48621048 | 48       | 2F    | 2012  |    | 50       | 122,23         | 120,63         | 128                   | 103    | -    | 30 | 32 | 2    | 78        | 1,60 |
| TL 8M-50S- 21  | 48621050 | 50       | 2F    | 2012  |    | 50       | 127,32         | 125,72         | 135                   | 104    | -    | 30 | 32 | 2    | 80        | 1,83 |
| TL 8M-56S- 21  | 48621056 | 56       | 2F    | 2012  |    | 50       | 142,6          | 141            | 150                   | 104    | -    | 30 | 32 | 2    | 85        | 2,40 |
| TL 8M-60S- 21  | 48621060 | 60       | 2F    | 2517  |    | 65       | 152,79         | 151,19         | 158                   | 124    | -    | 30 | 45 | 15   | 86        | 3,20 |
| TL 8M-64S- 21  | 48621064 | 64       | 2F    | 2517  |    | 65       | 162,97         | 161,37         | 168                   | 124    | -    | 30 | 45 | 15   | 90        | 3,80 |
| TL 8M-75S- 21  | 48621075 | 75       | 3     | 2517  |    | 65       | 190,99         | 189,39         | -                     | 124    | -    | 30 | 45 | 15   | -         | 6,20 |
| TL 8M-80S- 21  | 48621080 | 80       | 3     | 2517  |    | 65       | 203,72         | 202,12         | -                     | 124    | -    | 30 | 45 | 15   | -         | 6,00 |
| TL 8M-90S- 21  | 48621090 | 90       | 11    | 2517  |    | 65       | 229,18         | 227,58         | -                     | 124    | 198  | 30 | 45 | 7,5  | -         | 5,40 |
| TL 8M-112S- 21 | 48621112 | 112      | 11    | 2517  |    | 65       | 285,21         | 283,61         | -                     | 124    | 253  | 30 | 45 | 7,5  | -         | 7,40 |
| TL 8M-140S- 21 | 48621140 | 140      | 13    | 3020  |    | 75       | 356,51         | 354,91         | -                     | 150    | 324  | 30 | 51 | 10,5 | -         | 9,00 |



## TYPE 8M-36

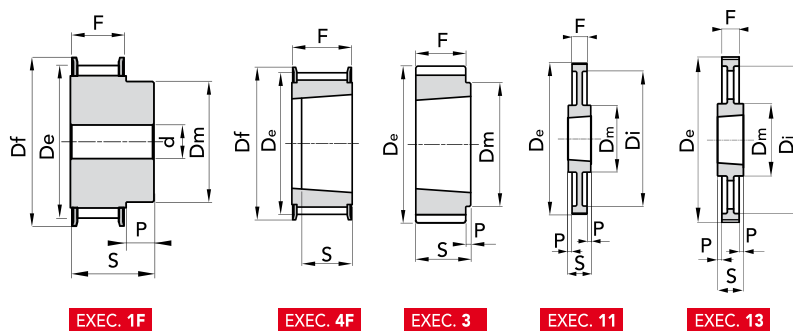
### TAPER LOCK®

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>b</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F  | S  | P  | N. FLANGE | Kg    |
|----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|----|----|----|-----------|-------|
| 8M-25S- 36     | 48636025 | 25       | 1F    | -     | 16 | 32       | 63,66          | 62,06          | 70                    | 49     | -    | 45 | 55 | 10 | 61        | 1,40  |
| TL 8M-28S- 36  | 48636028 | 28       | 4F    | 1210  |    | 32       | 71,3           | 69,7           | 75                    | -      | -    | 45 | 25 | -  | 79        | 0,64  |
| TL 8M-30S- 36  | 48636030 | 30       | 4F    | 1610  |    | 42       | 76,39          | 74,79          | 82,5                  | -      | -    | 45 | 25 | -  | 82        | 0,59  |
| TL 8M-32S- 36  | 48636032 | 32       | 4F    | 1610  |    | 42       | 81,49          | 79,89          | 87                    | -      | -    | 45 | 25 | -  | 76        | 0,79  |
| TL 8M-34S- 36  | 48636034 | 34       | 4F    | 1610  |    | 42       | 86,58          | 84,98          | 91                    | -      | -    | 45 | 25 | -  | 66        | 0,63  |
| TL 8M-36S- 36  | 48636036 | 36       | 4F    | 1610  |    | 42       | 91,67          | 90,07          | 97                    | -      | -    | 45 | 25 | -  | 68        | 1,15  |
| TL 8M-38S- 36  | 48636038 | 38       | 4F    | 1610  |    | 42       | 96,77          | 95,17          | 102                   | -      | -    | 45 | 25 | -  | 70        | 1,39  |
| TL 8M-40S- 36  | 48636040 | 40       | 4F    | 2012  |    | 50       | 101,86         | 100,26         | 106                   | -      | -    | 45 | 32 | -  | 77        | 1,34  |
| TL 8M-45S- 36  | 48636045 | 45       | 4F    | 2012  |    | 50       | 114,59         | 112,99         | 120                   | -      | -    | 45 | 32 | -  | 75        | 1,87  |
| TL 8M-48S- 36  | 48636048 | 48       | 4F    | 2012  |    | 50       | 122,23         | 120,63         | 128                   | -      | -    | 45 | 32 | -  | 78        | 2,20  |
| TL 8M-50S- 36  | 48636050 | 50       | 4F    | 2012  |    | 50       | 127,32         | 125,72         | 135                   | -      | -    | 45 | 32 | -  | 80        | 2,70  |
| TL 8M-56S- 36  | 48636056 | 56       | 4F    | 2517  |    | 60       | 142,6          | 141            | 150                   | -      | -    | 45 | 45 | -  | 85        | 3,00  |
| TL 8M-60S- 36  | 48636060 | 60       | 4F    | 2517  |    | 60       | 152,79         | 151,19         | 158                   | -      | -    | 45 | 45 | -  | 86        | 3,80  |
| TL 8M-64S- 36  | 48636064 | 64       | 4F    | 2517  |    | 60       | 162,97         | 161,37         | 168                   | -      | -    | 45 | 45 | -  | 90        | 4,50  |
| TL 8M-75S- 36  | 48636075 | 75       | 3     | 3020  |    | 75       | 190,99         | 189,39         | -                     | 150    | -    | 45 | 51 | 6  | -         | 6,20  |
| TL 8M-80S- 36  | 48636080 | 80       | 3     | 3020  |    | 75       | 203,72         | 202,12         | -                     | 150    | -    | 45 | 51 | 6  | -         | 7,40  |
| TL 8M-90S- 36  | 48636090 | 90       | 11    | 3020  |    | 75       | 229,18         | 227,58         | -                     | 150    | 197  | 45 | 51 | 3  | -         | 7,20  |
| TL 8M-112S- 36 | 48636112 | 112      | 13    | 3020  |    | 75       | 285,21         | 283,61         | -                     | 150    | 253  | 45 | 51 | 3  | -         | 10,40 |
| TL 8M-140S- 36 | 48636140 | 140      | 13    | 3020  |    | 75       | 356,51         | 354,91         | -                     | 150    | 324  | 45 | 51 | 3  | -         | 12,70 |
| TL 8M-168S- 36 | 48636168 | 168      | 13    | 3525  |    | 100      | 427,81         | 426,21         | -                     | 198    | 396  | 45 | 65 | 10 | -         | 21,50 |
| TL 8M-192S- 36 | 48636192 | 192      | 13    | 3525  |    | 100      | 488,92         | 487,32         | -                     | 198    | 457  | 45 | 65 | 10 | -         | 27,00 |



## TYPE 8M-62

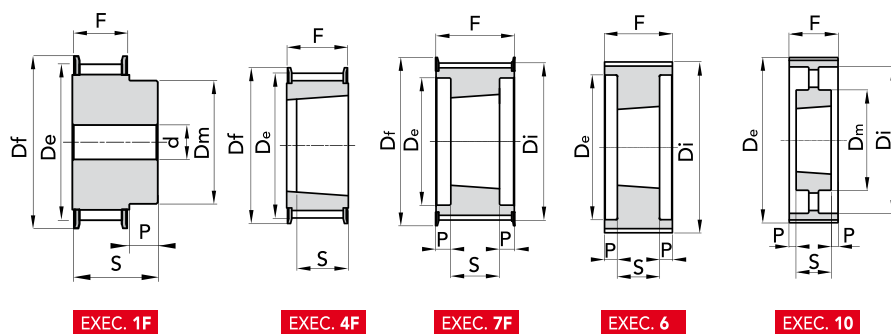
## TAPER LOCK®

Different pitch of teeth available on demand.

## MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



EXEC. 1F

EXEC. 4F

EXEC. 7F

EXEC. 6

EXEC. 10

| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F  | S  | P    | N. FLANGE | Kg    |
|----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|----|----|------|-----------|-------|
| 8M-30S- 62     | 48662030 | 30       | 1F    | -     | 20 | 42       | 76,39          | 74,79          | 82,5                  | 63     | -    | 72 | 84 | 12   | 82        | 2,40  |
| 8M-32S- 62     | 48662032 | 32       | 1F    | -     | 20 | 50       | 81,49          | 79,89          | 87                    | 68     | -    | 72 | 84 | 12   | 76        | 2,80  |
| 8M-34S- 62     | 48662034 | 34       | 1F    | -     | 20 | 55       | 86,58          | 84,98          | 91                    | 69     | -    | 72 | 84 | 12   | 66        | 3,00  |
| 8M-36S- 63     | 48662036 | 36       | 1F    | -     | 20 | 60       | 91,67          | 90,07          | 97                    | 76     | -    | 72 | 84 | 12   | 68        | 3,40  |
| 8M-38S- 62     | 48662038 | 38       | 1F    | -     | 20 | 60       | 96,77          | 95,17          | 102                   | 78     | -    | 72 | 84 | 12   | 70        | 3,80  |
| TL 8M-40S- 62  | 48662040 | 40       | 4F    | 2012  |    | 50       | 101,86         | 100,26         | 106                   | -      | -    | 72 | 32 | -    | 77        | 2,06  |
| TL 8M-45S- 62  | 48662045 | 45       | 4F    | 2012  |    | 50       | 114,59         | 112,99         | 120                   | -      | -    | 72 | 32 | -    | 75        | 3,00  |
| TL 8M-48S- 62  | 48662048 | 48       | 4F    | 2517  |    | 65       | 122,23         | 120,63         | 128                   | -      | -    | 72 | 45 | -    | 78        | 2,90  |
| TL 8M-50S- 62  | 48662050 | 50       | 4F    | 2517  |    | 65       | 127,32         | 125,72         | 135                   | -      | -    | 72 | 45 | -    | 80        | 3,25  |
| TL 8M-56S- 62  | 48662056 | 56       | 7F    | 2517  |    | 65       | 142,6          | 141            | 150                   | -      | 111  | 72 | 45 | 13,5 | 85        | 3,90  |
| TL 8M-60S- 62  | 48662060 | 60       | 7F    | 2517  |    | 65       | 152,79         | 151,19         | 158                   | -      | 121  | 72 | 45 | 13,5 | 86        | 4,70  |
| TL 8M-64S- 62  | 48662064 | 64       | 7F    | 2517  |    | 65       | 162,97         | 161,37         | 168                   | -      | 131  | 72 | 45 | 13,5 | 90        | 5,60  |
| TL 8M-75S- 62  | 48662075 | 75       | 6     | 3020  |    | 75       | 190,99         | 189,39         | -                     | -      | 159  | 72 | 51 | 10,5 | -         | 7,50  |
| TL 8M-80S- 62  | 48662080 | 80       | 6     | 3020  |    | 75       | 203,72         | 202,12         | -                     | -      | 172  | 72 | 51 | 10,5 | -         | 9,20  |
| TL 8M-90S- 62  | 48662090 | 90       | 6     | 3020  |    | 75       | 229,18         | 227,58         | -                     | -      | 197  | 72 | 51 | 10,5 | -         | 7,70  |
| TL 8M-112S- 62 | 48662112 | 112      | 10    | 3020  |    | 75       | 285,21         | 283,61         | -                     | 150    | 253  | 72 | 51 | 10,5 | -         | 12,10 |
| TL 8M-140S- 62 | 48662140 | 140      | 10    | 3525  |    | 90       | 356,51         | 354,91         | -                     | 198    | 324  | 72 | 65 | 3,5  | -         | 22,70 |
| TL 8M-168S- 62 | 48662168 | 168      | 10    | 3525  |    | 90       | 427,81         | 426,21         | -                     | 198    | 396  | 72 | 65 | 3,5  | -         | 26,80 |
| TL 8M-192S- 62 | 48662192 | 192      | 10    | 3525  |    | 90       | 488,92         | 487,32         | -                     | 198    | 457  | 72 | 65 | 3,5  | -         | 34,20 |



## TYPE 14M-20

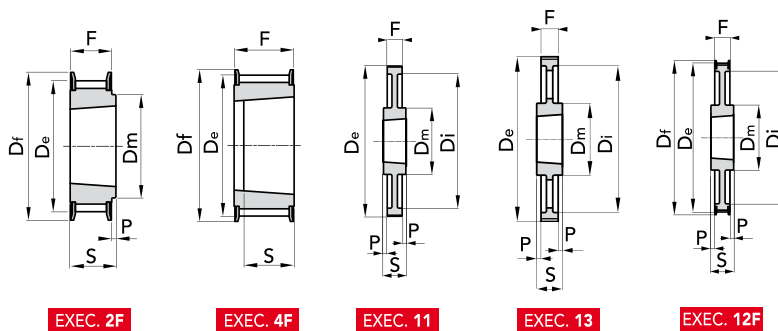
### TAPER LOCK®

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | BORE MAX | d <sub>b</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F  | S  | P | N. FLANGE | Kg    |
|----------------|----------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------|------|----|----|---|-----------|-------|
| TL 14M-28S-20  | 48820028 | 28       | 4F    | 2012  | 50       | 124,78         | 121,98         | 128                   | -      | -    | 33 | 32 | 1 | 153       | 1,66  |
| TL 14M-30S-20  | 48820030 | 30       | 4F    | 2012  | 50       | 133,69         | 130,89         | 138                   | -      | -    | 33 | 32 | 1 | 154       | 2,20  |
| TL 14M-32S-20  | 48820032 | 32       | 4F    | 2012  | 50       | 142,6          | 139,8          | 154                   | -      | -    | 33 | 32 | 1 | 160       | 3,20  |
| TL 14M-34S-20  | 48820034 | 34       | 2F    | 2517  | 65       | 151,52         | 148,72         | 160                   | 117    | -    | 33 | 45 | - | 171       | 3,00  |
| TL 14M-36S-20  | 48820036 | 36       | 2F    | 2517  | 65       | 160,43         | 157,63         | 168                   | 117    | -    | 33 | 45 | - | 168       | 3,60  |
| TL 14M-38S-20  | 48820038 | 38       | 2F    | 2517  | 65       | 169,34         | 166,54         | 183                   | 117    | -    | 33 | 45 | - | 172       | 4,00  |
| TL 14M-40S-20  | 48820040 | 40       | 2F    | 2517  | 65       | 178,25         | 175,45         | 188                   | 117    | -    | 33 | 45 | - | 174       | 4,70  |
| TL 14M-44S-20  | 48820044 | 44       | 2F    | 3020  | 75       | 196,08         | 193,28         | 211                   | 144    | -    | 33 | 51 | - | 175       | 5,60  |
| TL 14M-48S-20  | 48820048 | 48       | 2F    | 3020  | 75       | 213,9          | 211,11         | 226                   | 144    | -    | 33 | 51 | - | 180       | 6,80  |
| TL 14M-50S-20  | 48820050 | 50       | 2F    | 3020  | 75       | 222,82         | 220,02         | 240                   | 144    | -    | 33 | 51 | - | 169       | 7,70  |
| TL 14M-56S-20  | 48820056 | 56       | 12F   | 3020  | 75       | 249,55         | 246,76         | 256                   | 144    | 207  | 33 | 51 | 9 | 182       | 7,70  |
| TL 14M-60S-20  | 48820060 | 60       | 11    | 3020  | 75       | 267,38         | 264,58         | -                     | 159    | 224  | 33 | 51 | 9 | -         | 8,50  |
| TL 14M-64S-20  | 48820064 | 64       | 11    | 3020  | 75       | 285,21         | 282,41         | -                     | 159    | 242  | 33 | 51 | 9 | -         | 10,20 |
| TL 14M-72S-20  | 48820072 | 72       | 11    | 3020  | 75       | 320,86         | 318,06         | -                     | 159    | 278  | 33 | 51 | 9 | -         | 11,50 |
| TL 14M-80S-20  | 48820080 | 80       | 11    | 3020  | 75       | 356,51         | 353,71         | -                     | 159    | 314  | 33 | 51 | 9 | -         | 13,50 |
| TL 14M-90S-20  | 48820090 | 90       | 13    | 3020  | 75       | 401,07         | 398,27         | -                     | 159    | 360  | 33 | 51 | 9 | -         | 14,20 |
| TL 14M-112S-20 | 48820112 | 112      | 13    | 3020  | 75       | 499,11         | 496,31         | -                     | 159    | 456  | 33 | 51 | 9 | -         | 18,10 |
| TL 14M-140S-20 | 48820140 | 140      | 13    | 3020  | 75       | 623,89         | 621,09         | -                     | 159    | 581  | 33 | 51 | 9 | -         | 22,90 |



## TYPE 14M-37

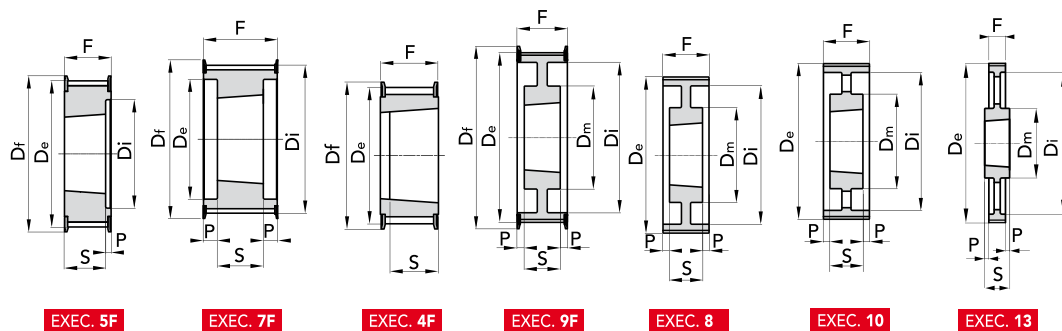
## TAPER LOCK®

Different pitch of teeth available on demand.

## MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | BORE MAX | d <sub>b</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | D <sub>m</sub> HUB | Ø Di | F  | S  | P    | N. FLANGE | Kg    |
|----------------|----------|----------|-------|-------|----------|----------------|----------------|-----------------------|--------------------|------|----|----|------|-----------|-------|
| TL 14M-28S-37  | 48837028 | 28       | 5F    | 2012  | 50       | 124,78         | 121,98         | 128                   | -                  | 88   | 51 | 32 | 19   | 153       | 2,20  |
| TL 14M-30S-37  | 48837030 | 30       | 7F    | 2517  | 65       | 133,69         | 130,89         | 138                   | -                  | 98   | 51 | 45 | 3    | 154       | 2,50  |
| TL 14M-32S-37  | 48837032 | 32       | 7F    | 2517  | 65       | 142,6          | 139,8          | 154                   | -                  | 100  | 51 | 45 | 3    | 160       | 3,00  |
| TL 14M-34S-37  | 48837034 | 34       | 7F    | 2517  | 65       | 151,52         | 148,72         | 160                   | -                  | 109  | 51 | 45 | 3    | 171       | 3,80  |
| TL 14M-36S-37  | 48837036 | 36       | 5F    | 2517  | 65       | 160,43         | 157,63         | 168                   | -                  | 117  | 51 | 45 | 6    | 168       | 4,30  |
| TL 14M-38S-37  | 48837038 | 38       | 5F    | 2517  | 65       | 169,34         | 166,54         | 183                   | -                  | 126  | 51 | 45 | 6    | 172       | 5,10  |
| TL 14M-40S-37  | 48837040 | 40       | 5F    | 2517  | 65       | 178,25         | 175,45         | 188                   | -                  | 135  | 51 | 45 | 6    | 174       | 6,00  |
| TL 14M-44S-37  | 48837044 | 44       | 4F    | 3020  | 75       | 196,08         | 193,82         | 211                   | -                  | -    | 51 | 51 | -    | 175       | 7,00  |
| TL 14M-48S-37  | 48837048 | 48       | 4F    | 3020  | 75       | 213,9          | 211,11         | 226                   | -                  | -    | 51 | 51 | -    | 180       | 9,00  |
| TL 14M-50S-37  | 48837050 | 50       | 4F    | 3020  | 75       | 222,82         | 220,02         | 240                   | -                  | -    | 51 | 51 | -    | 169       | 10,00 |
| TL 14M-56S-37  | 48837056 | 56       | 9F    | 3020  | 75       | 249,55         | 246,76         | 256                   | 144                | 207  | 51 | 51 | -    | 182       | 9,20  |
| TL 14M-60S-37  | 48837060 | 60       | 8     | 3020  | 75       | 267,38         | 264,58         | -                     | 159                | 224  | 51 | 51 | -    | -         | 10,20 |
| TL 14M-64S-37  | 48837064 | 64       | 10    | 3020  | 75       | 285,21         | 282,41         | -                     | 159                | 242  | 51 | 51 | -    | -         | 12,20 |
| TL 14M-72S-37  | 48837072 | 72       | 10    | 3020  | 75       | 320,86         | 318,06         | -                     | 159                | 278  | 51 | 51 | -    | -         | 13,40 |
| TL 14M-80S-37  | 48837080 | 80       | 10    | 3020  | 75       | 356,51         | 353,71         | -                     | 159                | 314  | 51 | 51 | -    | -         | 16,10 |
| TL 14M-90S-37  | 48837090 | 90       | 10    | 3020  | 75       | 401,07         | 398,27         | -                     | 159                | 360  | 51 | 51 | -    | -         | 17,20 |
| TL 14M-112S-37 | 48837112 | 112      | 10    | 3020  | 75       | 499,11         | 496,31         | -                     | 159                | 456  | 51 | 51 | -    | -         | 23,00 |
| TL 14M-140S-37 | 48837140 | 140      | 13    | 3525  | 110      | 623,89         | 621,09         | -                     | 206                | 581  | 51 | 65 | 7    | -         | 41,00 |
| TL 14M-168S-37 | 48837168 | 168      | 13    | 3525  | 110      | 748,66         | 745,87         | -                     | 206                | 706  | 51 | 65 | 7    | -         | 51,50 |
| TL 14M-192S-37 | 48837192 | 192      | 13    | 4030  | 115      | 855,61         | 852,82         | -                     | 215                | 812  | 51 | 76 | 12,5 | -         | 60,00 |





## TYPE 14M-68

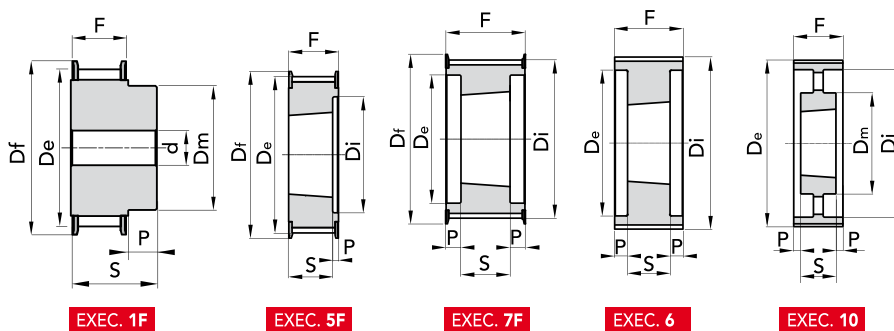
### TAPER LOCK®

Different pitch of teeth available on demand.

#### MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE            | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>b</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F  | S   | P    | N. FLANGE | Kg    |
|-----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|----|-----|------|-----------|-------|
| 14M-34S- 68     | 48868034 | 34       | 1F    | -     | 25 | 100      | 151,52         | 148,72         | 160                   | 132    | -    | 84 | 104 | 20   | 171       | 10,50 |
| 14M-36S- 68     | 48868036 | 36       | 1F    | -     | 40 | 100      | 160,43         | 157,63         | 168                   | 131    | -    | 84 | 104 | 20   | 168       | 11,70 |
| 14M-38S- 68     | 48868038 | 38       | 1F    | -     | 40 | 115      | 169,34         | 166,54         | 183                   | 141    | -    | 84 | 104 | 20   | 172       | 13,40 |
| 14M-40S- 68     | 48868040 | 40       | 1F    | -     | 40 | 125      | 178,25         | 175,45         | 188                   | 156    | -    | 84 | 104 | 20   | 174       | 15,40 |
| TL 14M-44S- 68  | 48868044 | 44       | 7F    | 3020  |    | 75       | 196,08         | 193,28         | 211                   | -      | 153  | 84 | 51  | 16,5 | 175       | 9,20  |
| TL 14M-48S- 68  | 48868048 | 48       | 5F    | 3020  |    | 75       | 213,9          | 211,11         | 226                   | -      | 171  | 84 | 51  | 33   | 180       | 11,30 |
| TL 14M-50S- 68  | 48868050 | 50       | 7F    | 3525  |    | 100      | 222,82         | 220,02         | 240                   | -      | 180  | 84 | 65  | 9,5  | 169       | 15,50 |
| TL 14M-56S- 68  | 48868056 | 56       | 7F    | 3525  |    | 100      | 249,55         | 246,76         | 256                   | -      | 207  | 84 | 65  | 9,5  | 182       | 16,80 |
| TL 14M-60S- 68  | 48868060 | 60       | 6     | 3525  |    | 100      | 267,38         | 264,58         | -                     | -      | 224  | 84 | 65  | 9,5  | -         | 20,40 |
| TL 14M-64S- 68  | 48868064 | 64       | 6     | 3525  |    | 100      | 285,21         | 282,41         | -                     | -      | 242  | 84 | 65  | 9,5  | -         | 23,60 |
| TL 14M-72S- 68  | 48868072 | 72       | 8     | 3525  |    | 100      | 320,86         | 318,06         | -                     | 178    | 278  | 84 | 65  | 9,5  | -         | 20,30 |
| TL 14M-80S- 68  | 48868080 | 80       | 10    | 3525  |    | 100      | 356,51         | 353,71         | -                     | 178    | 314  | 84 | 65  | 9,5  | -         | 21,30 |
| TL 14M-90S- 68  | 48868090 | 90       | 10    | 3525  |    | 100      | 401,07         | 398,27         | -                     | 178    | 360  | 84 | 65  | 9,5  | -         | 24,40 |
| TL 14M-112S- 68 | 48868112 | 112      | 10    | 3525  |    | 100      | 499,11         | 496,31         | -                     | 178    | 456  | 84 | 65  | 9,5  | -         | 32,70 |
| TL 14M-140S- 68 | 48868140 | 140      | 10    | 3525  |    | 100      | 623,89         | 621,09         | -                     | 206    | 581  | 84 | 65  | 9,5  | -         | 55,00 |
| TL 14M-168S- 68 | 48868168 | 168      | 10    | 3525  |    | 100      | 748,66         | 745,87         | -                     | 206    | 706  | 84 | 65  | 9,5  | -         | 71,00 |
| TL 14M-192S- 68 | 48868192 | 192      | 10    | 4030  |    | 115      | 855,61         | 852,82         | -                     | 215    | 812  | 84 | 76  | 4    | -         | 80,50 |



## TYPE 14M-90

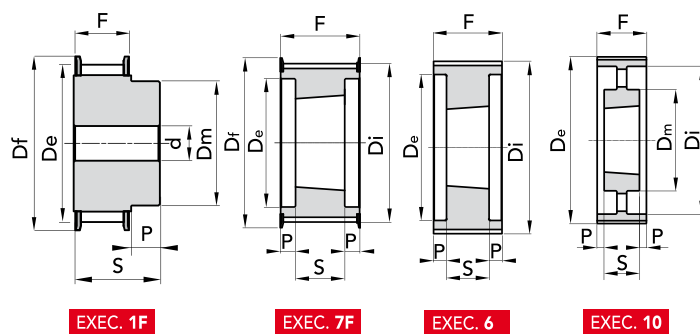
TAPER LOCK<sup>®</sup>

Different pitch of teeth available on demand.

## MATERIAL

C45 EN 10083

CAST-IRON G20/25 EN 1561



| TYPE           | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>p</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F   | S   | P  | N. FLANGE | Kg     |
|----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|-----|-----|----|-----------|--------|
| 14M-36S-90     | 48890036 | 36       | 1F    | -     | 50 | 110      | 160,43         | 157,63         | 168                   | 131    | -    | 106 | 136 | 30 | 168       | 14,50  |
| 14M-38S-90     | 48890038 | 38       | 1F    | -     | 50 | 115      | 169,34         | 166,54         | 183                   | 141    | -    | 106 | 136 | 30 | 172       | 17,50  |
| 14M-40S-90     | 48890040 | 40       | 1F    | -     | 50 | 125      | 178,25         | 175,45         | 188                   | 156    | -    | 106 | 136 | 30 | 174       | 19,10  |
| 14M-44S-90     | 48890044 | 44       | 1F    | -     | 50 | 140      | 196,08         | 193,28         | 211                   | 169    | -    | 106 | 136 | 30 | 175       | 23,90  |
| TL 14M-48S-90  | 48890048 | 48       | 7F    | 3525  |    | 100      | 213,9          | 211,11         | 226                   | -      | 171  | 106 | 66  | 20 | 180       | 12,70  |
| TL 14M-50S-90  | 48890050 | 50       | 7F    | 3525  |    | 100      | 222,82         | 220,02         | 240                   | -      | 180  | 106 | 66  | 20 | 169       | 14,50  |
| TL 14M-56S-90  | 48890056 | 56       | 7F    | 3525  |    | 100      | 249,55         | 246,76         | 256                   | -      | 207  | 106 | 66  | 20 | 182       | 19,00  |
| TL 14M-60S-90  | 48890060 | 60       | 6     | 3525  |    | 100      | 267,38         | 264,58         | -                     | -      | 224  | 106 | 66  | 20 | -         | 22,50  |
| TL 14M-64S-90  | 48890064 | 64       | 6     | 3525  |    | 100      | 285,21         | 282,41         | -                     | -      | 242  | 106 | 66  | 20 | -         | 24,00  |
| TL 14M-72S-90  | 48890072 | 72       | 10    | 3525  |    | 100      | 320,86         | 318,06         | -                     | 178    | 278  | 106 | 66  | 20 | -         | 22,60  |
| TL 14M-80S-90  | 48890080 | 80       | 10    | 4030  |    | 115      | 356,51         | 353,71         | -                     | 215    | 314  | 106 | 76  | 15 | -         | 27,00  |
| TL 14M-90S-90  | 48890090 | 90       | 10    | 4030  |    | 115      | 401,07         | 398,27         | -                     | 215    | 360  | 106 | 76  | 15 | -         | 34,10  |
| TL 14M-112S-90 | 48890112 | 112      | 10    | 4535  |    | 125      | 499,11         | 496,31         | -                     | 215    | 456  | 106 | 90  | 8  | -         | 46,00  |
| TL 14M-140S-90 | 48890140 | 140      | 10    | 4535  |    | 125      | 623,89         | 621,09         | -                     | 215    | 581  | 106 | 90  | 8  | -         | 61,00  |
| TL 14M-168S-90 | 48890168 | 168      | 10    | 5040  |    | 130      | 748,66         | 745,87         | -                     | 267    | 706  | 106 | 102 | 2  | -         | 90,00  |
| TL 14M-192S-90 | 48890192 | 192      | 10    | 5040  |    | 130      | 855,61         | 852,82         | -                     | 267    | 812  | 106 | 102 | 2  | -         | 108,50 |



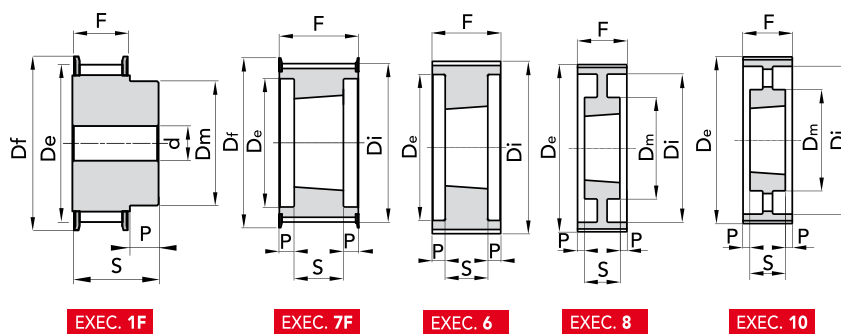
## TYPE 14M-125

### TAPER LOCK®

Different pitch of teeth available on demand.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| TYPE            | CODE     | N. TEETH | EXEC. | BUSH. | d  | BORE MAX | d <sub>h</sub> | d <sub>e</sub> | d <sub>f</sub> FLANGE | Dm HUB | Ø Di | F   | S   | P    | N. FLANGE | Kg     |
|-----------------|----------|----------|-------|-------|----|----------|----------------|----------------|-----------------------|--------|------|-----|-----|------|-----------|--------|
| 14M-38S-125     | 48892038 | 38       | 1F    | -     | 50 | 115      | 169,34         | 166,54         | 183                   | 141    | -    | 141 | 161 | 20   | 172       | 20,30  |
| 14M-40S-125     | 48892040 | 40       | 1F    | -     | 50 | 125      | 178,25         | 175,45         | 188                   | 156    | -    | 141 | 161 | 20   | 174       | 23,00  |
| 14M-44S-125     | 48892044 | 44       | 1F    | -     | 50 | 140      | 196,08         | 193,28         | 211                   | 169    | -    | 141 | 161 | 20   | 175       | 28,80  |
| 14M-48S-125     | 48892048 | 48       | 1F    | -     | 50 | 160      | 213,9          | 211,11         | 226                   | 185    | -    | 141 | 161 | 20   | 180       | 34,60  |
| TL 14M-50S-125  | 48892050 | 50       | 7F    | 3525  |    | 90       | 222,82         | 220,02         | 240                   | -      | 180  | 141 | 65  | 38   | 169       | 16,80  |
| TL 14M-56S-125  | 48892056 | 56       | 7F    | 3525  |    | 90       | 249,55         | 246,76         | 256                   | -      | 207  | 141 | 65  | 38   | 182       | 21,60  |
| TL 14M-60S-125  | 48892060 | 60       | 6     | 4030  |    | 105      | 267,38         | 264,58         | -                     | -      | 224  | 141 | 76  | 32,5 | -         | 25,60  |
| TL 14M-64S-125  | 48892064 | 64       | 6     | 4030  |    | 105      | 285,21         | 282,41         | -                     | -      | 242  | 141 | 76  | 32,5 | -         | 29,70  |
| TL 14M-72S-125  | 48892072 | 72       | 8     | 4030  |    | 105      | 320,86         | 318,06         | -                     | 215    | 278  | 141 | 76  | 32,5 | -         | 30,00  |
| TL 14M-80S-125  | 48892080 | 80       | 8     | 4030  |    | 105      | 356,51         | 353,71         | -                     | 215    | 314  | 141 | 76  | 32,5 | -         | 33,40  |
| TL 14M-90S-125  | 48892090 | 90       | 10    | 4030  |    | 105      | 401,07         | 398,27         | -                     | 215    | 360  | 141 | 76  | 32,5 | -         | 39,40  |
| TL 14M-112S-125 | 48892112 | 112      | 10    | 4535  |    | 100      | 499,11         | 496,31         | -                     | 215    | 456  | 141 | 89  | 26   | -         | 56,00  |
| TL 14M-140S-125 | 48892140 | 140      | 10    | 4535  |    | 100      | 623,89         | 621,09         | -                     | 215    | 581  | 141 | 89  | 26   | -         | 73,00  |
| TL 14M-168S-125 | 48892168 | 168      | 10    | 5040  |    | 125      | 748,66         | 745,87         | -                     | 267    | 706  | 141 | 102 | 19,5 | -         | 101,00 |
| TL 14M-192S-125 | 48892192 | 192      | 10    | 5040  |    | 125      | 855,61         | 852,82         | -                     | 267    | 802  | 141 | 102 | 19,5 | -         | 121,50 |





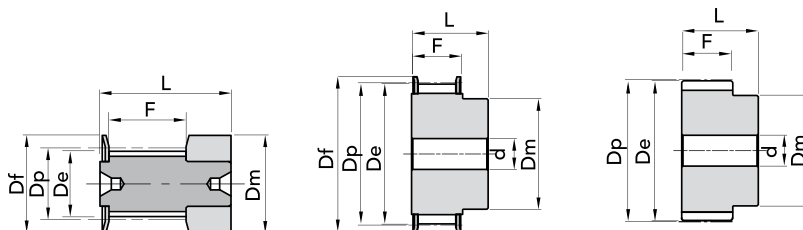
## TYPE T 2.5

PITCH 2.5 mm

for belt width 6mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 0F

EXEC. 1F

EXEC. 2

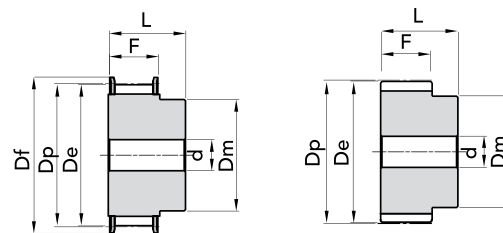
| TYPE       | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 16 T2,5 12 | 45021612 | 0F    | 12       | 9,60           | 9,00           | 13,0                  | 13                 | 9  | 16 | - | 501       | 0,01 |
| 16 T2,5 14 | 45021614 | 0F    | 14       | 11,20          | 10,60          | 15,0                  | 15                 | 9  | 16 | - | 502       | 0,01 |
| 16 T2,5 15 | 45021615 | 0F    | 15       | 12,00          | 11,40          | 15,0                  | 15                 | 9  | 16 | - | 502       | 0,01 |
| 16 T2,5 16 | 45021616 | 0F    | 16       | 12,80          | 12,20          | 16,0                  | 16                 | 9  | 16 | - | 503       | 0,01 |
| 16 T2,5 18 | 45021618 | 1F    | 18       | 14,40          | 13,80          | 17,5                  | 10                 | 10 | 16 | - | 504       | 0,01 |
| 16 T2,5 19 | 45021619 | 1F    | 19       | 15,20          | 14,60          | 20,0                  | 10                 | 10 | 16 | - | 505       | 0,01 |
| 16 T2,5 20 | 45021620 | 1F    | 20       | 16,00          | 15,40          | 20,0                  | 11                 | 10 | 16 | - | 505       | 0,01 |
| 16 T2,5 22 | 45021622 | 1F    | 22       | 17,60          | 17,00          | 22,0                  | 11                 | 10 | 16 | - | 512       | 0,01 |
| 16 T2,5 24 | 45021624 | 1F    | 24       | 19,15          | 18,55          | 22,0                  | 12                 | 10 | 16 | 4 | 512       | 0,01 |
| 16 T2,5 25 | 45021625 | 1F    | 25       | 19,95          | 19,35          | 25,0                  | 13                 | 10 | 16 | 4 | 506       | 0,01 |
| 16 T2,5 26 | 45021626 | 1F    | 26       | 20,75          | 20,15          | 26,0                  | 14                 | 10 | 16 | 4 | 507       | 0,01 |
| 16 T2,5 28 | 45021628 | 1F    | 28       | 22,35          | 21,75          | 26,0                  | 14                 | 10 | 16 | 4 | 507       | 0,02 |
| 16 T2,5 30 | 45021630 | 1F    | 30       | 23,95          | 23,35          | 26,0                  | 16                 | 10 | 16 | 6 | 508       | 0,02 |
| 16 T2,5 32 | 45021632 | 1F    | 32       | 25,55          | 24,95          | 32,0                  | 16                 | 10 | 16 | 6 | 509       | 0,02 |
| 16 T2,5 36 | 45021636 | 1F    | 36       | 28,75          | 28,10          | 36,0                  | 20                 | 10 | 16 | 6 | 510       | 0,03 |
| 16 T2,5 40 | 45021640 | 1F    | 40       | 31,90          | 31,30          | 38,0                  | 22                 | 10 | 16 | 6 | 511       | 0,03 |
| 16 T2,5 44 | 45021644 | 2     | 44       | 35,10          | 34,50          | -                     | 24                 | 10 | 16 | 6 | -         | 0,04 |
| 16 T2,5 48 | 45021648 | 2     | 48       | 38,30          | 37,70          | -                     | 26                 | 10 | 16 | 6 | -         | 0,05 |
| 16 T2,5 60 | 45021660 | 2     | 60       | 47,85          | 47,25          | -                     | 34                 | 10 | 16 | 8 | -         | 0,07 |



## TYPE T 5

PITCH 5 mm

for belt width 10mm

**T20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE     | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>p</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 21 T5 10 | 45052110 | 1F    | 10       | 15,92          | 15,05          | 19,5                  | 8                  | 15 | 21 | - | 3         | 0,01 |
| 21 T5 12 | 45052112 | 1F    | 12       | 19,10          | 18,25          | 23,0                  | 11                 | 15 | 21 | - | 1         | 0,01 |
| 21 T5 14 | 45052114 | 1F    | 14       | 22,29          | 21,45          | 25,0                  | 13                 | 15 | 21 | - | 2         | 0,02 |
| 21 T5 15 | 45052115 | 1F    | 15       | 23,88          | 23,05          | 28,0                  | 16                 | 15 | 21 | 6 | 4         | 0,02 |
| 21 T5 16 | 45052116 | 1F    | 16       | 25,47          | 24,60          | 32,0                  | 18                 | 15 | 21 | 6 | 5         | 0,03 |
| 21 T5 18 | 45052118 | 1F    | 18       | 28,65          | 27,80          | 32,0                  | 20                 | 15 | 21 | 6 | 6         | 0,03 |
| 21 T5 19 | 45052119 | 1F    | 19       | 30,25          | 29,40          | 36,0                  | 22                 | 15 | 21 | 6 | 8         | 0,04 |
| 21 T5 20 | 45052120 | 1F    | 20       | 31,83          | 31,00          | 36,0                  | 23                 | 15 | 21 | 6 | 8         | 0,04 |
| 21 T5 22 | 45052122 | 1F    | 22       | 35,02          | 34,15          | 38,0                  | 24                 | 15 | 21 | 6 | 9         | 0,05 |
| 21 T5 24 | 45052124 | 1F    | 24       | 38,21          | 37,40          | 42,0                  | 26                 | 15 | 21 | 6 | 13        | 0,06 |
| 21 T5 25 | 45052125 | 1F    | 25       | 29,80          | 29,80          | 44,0                  | 26                 | 15 | 21 | 6 | 12        | 0,06 |
| 21 T5 26 | 45052126 | 1F    | 26       | 41,39          | 40,60          | 44,0                  | 26                 | 15 | 21 | 6 | 12        | 0,06 |
| 21 T5 27 | 45052127 | 1F    | 27       | 42,98          | 42,20          | 48,0                  | 30                 | 15 | 21 | 8 | 11        | 0,07 |
| 21 T5 28 | 45052128 | 1F    | 28       | 44,58          | 43,75          | 48,0                  | 32                 | 15 | 21 | 8 | 11        | 0,07 |
| 21 T5 30 | 45052130 | 1F    | 30       | 47,76          | 46,95          | 51,0                  | 34                 | 15 | 21 | 8 | 16        | 0,07 |
| 21 T5 32 | 45052132 | 1F    | 32       | 50,94          | 50,10          | 54,0                  | 38                 | 15 | 21 | 8 | 18        | 0,09 |
| 21 T5 36 | 45052136 | 1F    | 36       | 57,31          | 56,45          | 64,0                  | 38                 | 15 | 21 | 8 | 23        | 0,11 |
| 21 T5 40 | 45052140 | 1F    | 40       | 63,66          | 62,85          | 66,5                  | 40                 | 15 | 21 | 8 | 24        | 0,14 |
| 21 T5 42 | 45052142 | 1F    | 42       | 66,86          | 66,00          | 70,0                  | 40                 | 15 | 21 | 8 | 26        | 0,18 |
| 21 T5 44 | 45052144 | 2     | 44       | 70,05          | 69,20          | -                     | 45                 | 15 | 21 | 8 | -         | 0,18 |
| 21 T5 48 | 45052148 | 2     | 48       | 76,42          | 75,55          | -                     | 50                 | 15 | 21 | 8 | -         | 0,20 |
| 21 T5 60 | 45052160 | 2     | 60       | 95,52          | 94,65          | -                     | 65                 | 15 | 21 | 8 | -         | 0,31 |



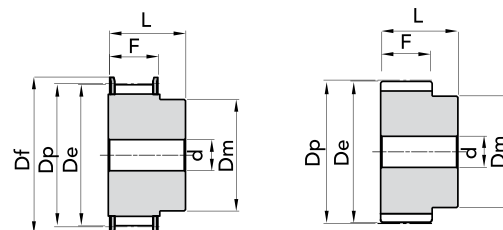
## TYPE T 5

PITCH 5 mm

for belt width 16mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

| TYPE     | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 27 T5 10 | 45052710 | 1F    | 10       | 15,92          | 15,05          | 19,5                  | 8                  | 21 | 27 | - | 3         | 0,02 |
| 27 T5 12 | 45052712 | 1F    | 12       | 19,10          | 18,25          | 23,0                  | 11                 | 21 | 27 | - | 1         | 0,02 |
| 27 T5 14 | 45052714 | 1F    | 14       | 22,29          | 21,45          | 25,0                  | 13                 | 21 | 27 | - | 2         | 0,03 |
| 27 T5 15 | 45052715 | 1F    | 15       | 23,88          | 23,05          | 28,0                  | 16                 | 21 | 27 | 6 | 4         | 0,03 |
| 27 T5 16 | 45052716 | 1F    | 16       | 25,47          | 24,60          | 32,0                  | 18                 | 21 | 27 | 6 | 5         | 0,04 |
| 27 T5 18 | 45052718 | 1F    | 18       | 28,65          | 27,80          | 32,0                  | 20                 | 21 | 27 | 6 | 6         | 0,04 |
| 27 T5 19 | 45052719 | 1F    | 19       | 30,25          | 29,40          | 36,0                  | 22                 | 21 | 27 | 6 | 8         | 0,05 |
| 27 T5 20 | 45052720 | 1F    | 20       | 31,83          | 31,00          | 36,0                  | 23                 | 21 | 27 | 6 | 8         | 0,06 |
| 27 T5 22 | 45052722 | 1F    | 22       | 35,02          | 34,15          | 38,0                  | 24                 | 21 | 27 | 6 | 9         | 0,06 |
| 27 T5 24 | 45052724 | 1F    | 24       | 38,21          | 37,40          | 42,0                  | 26                 | 21 | 27 | 6 | 13        | 0,08 |
| 27 T5 25 | 45052725 | 1F    | 25       | 39,80          | 38,95          | 44,0                  | 26                 | 21 | 27 | 6 | 12        | 0,08 |
| 27 T5 26 | 45052726 | 1F    | 26       | 41,39          | 40,60          | 44,0                  | 26                 | 21 | 27 | 6 | 12        | 0,09 |
| 27 T5 27 | 45052727 | 1F    | 27       | 42,98          | 42,20          | 48,0                  | 30                 | 21 | 27 | 8 | 11        | 0,09 |
| 27 T5 28 | 45052728 | 1F    | 28       | 44,58          | 43,75          | 48,0                  | 32                 | 21 | 27 | 8 | 11        | 0,09 |
| 27 T5 30 | 45052730 | 1F    | 30       | 47,76          | 46,95          | 51,0                  | 34                 | 21 | 27 | 8 | 16        | 0,10 |
| 27 T5 32 | 45052732 | 1F    | 32       | 50,94          | 50,10          | 54,0                  | 38                 | 21 | 27 | 8 | 18        | 0,12 |
| 27 T5 36 | 45052736 | 1F    | 36       | 57,31          | 56,45          | 64,0                  | 38                 | 21 | 27 | 8 | 23        | 0,16 |
| 27 T5 40 | 45052740 | 1F    | 40       | 63,66          | 62,85          | 66,5                  | 40                 | 21 | 27 | 8 | 24        | 0,19 |
| 27 T5 42 | 45052742 | 1F    | 42       | 66,86          | 66,00          | 70,0                  | 40                 | 21 | 27 | 8 | 26        | 0,20 |
|          |          |       |          |                |                |                       |                    |    |    |   |           |      |
| 27 T5 44 | 45052744 | 2     | 44       | 70,05          | 69,20          | -                     | 45                 | 21 | 27 | 8 | -         | 0,23 |
| 27 T5 48 | 45052748 | 2     | 48       | 76,42          | 75,55          | -                     | 50                 | 21 | 27 | 8 | -         | 0,28 |
| 27 T5 60 | 45052760 | 2     | 60       | 95,52          | 94,65          | -                     | 65                 | 21 | 27 | 8 | -         | 0,43 |



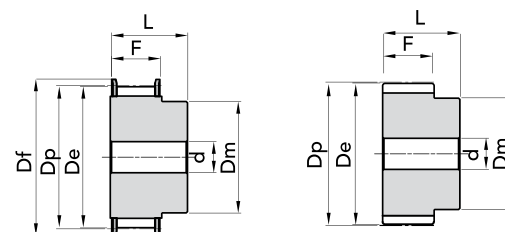
## TYPE T 5

PITCH 5 mm

for belt width 25mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

| TYPE     | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>p</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 36 T5 10 | 45053610 | 1F    | 10       | 15,92          | 15,05          | 19,5                  | 8                  | 30 | 36 | - | 3         | 0,02 |
| 36 T5 12 | 45053612 | 1F    | 12       | 19,10          | 18,25          | 23,0                  | 11                 | 30 | 36 | - | 1         | 0,03 |
| 36 T5 14 | 45053614 | 1F    | 14       | 22,29          | 21,45          | 25,0                  | 13                 | 30 | 36 | - | 2         | 0,04 |
| 36 T5 15 | 45053615 | 1F    | 15       | 23,88          | 23,05          | 28,0                  | 16                 | 30 | 36 | 6 | 4         | 0,04 |
| 36 T5 16 | 45053616 | 1F    | 16       | 25,47          | 24,60          | 32,0                  | 18                 | 30 | 36 | 6 | 5         | 0,05 |
| 36 T5 18 | 45053618 | 1F    | 18       | 28,65          | 27,80          | 32,0                  | 20                 | 30 | 36 | 6 | 6         | 0,06 |
| 36 T5 19 | 45053619 | 1F    | 19       | 30,25          | 29,40          | 36,0                  | 22                 | 30 | 36 | 6 | 8         | 0,07 |
| 36 T5 20 | 45053620 | 1F    | 20       | 31,83          | 31,00          | 36,0                  | 23                 | 30 | 36 | 6 | 8         | 0,08 |
| 36 T5 22 | 45053622 | 1F    | 22       | 35,02          | 34,15          | 38,0                  | 24                 | 30 | 36 | 6 | 9         | 0,08 |
| 36 T5 24 | 45053624 | 1F    | 24       | 38,21          | 37,40          | 42,0                  | 26                 | 30 | 36 | 8 | 13        | 0,11 |
| 36 T5 25 | 45053625 | 1F    | 25       | 39,80          | 38,95          | 44,0                  | 26                 | 30 | 36 | 8 | 12        | 0,12 |
| 36 T5 26 | 45053626 | 1F    | 26       | 41,39          | 40,60          | 44,0                  | 26                 | 30 | 36 | 8 | 12        | 0,12 |
| 36 T5 27 | 45053627 | 1F    | 27       | 42,98          | 42,20          | 48,0                  | 30                 | 30 | 36 | 8 | 11        | 0,13 |
| 36 T5 28 | 45053628 | 1F    | 28       | 44,58          | 43,75          | 48,0                  | 32                 | 30 | 36 | 8 | 11        | 0,14 |
| 36 T5 30 | 45053630 | 1F    | 30       | 47,76          | 46,95          | 51,0                  | 34                 | 30 | 36 | 8 | 16        | 0,15 |
| 36 T5 32 | 45053632 | 1F    | 32       | 50,94          | 50,10          | 54,0                  | 38                 | 30 | 36 | 8 | 18        | 0,18 |
| 36 T5 36 | 45053636 | 1F    | 36       | 57,31          | 56,45          | 64,0                  | 38                 | 30 | 36 | 8 | 23        | 0,23 |
| 36 T5 40 | 45053640 | 1F    | 40       | 63,66          | 62,85          | 66,5                  | 40                 | 30 | 36 | 8 | 24        | 0,28 |
| 36 T5 42 | 45053642 | 1F    | 42       | 66,86          | 66,00          | 70,0                  | 40                 | 30 | 36 | 8 | 26        | 0,29 |
| 36 T5 44 | 45053644 | 2     | 44       | 70,05          | 69,20          | -                     | 45                 | 30 | 36 | 8 | -         | 0,31 |
| 36 T5 48 | 45053648 | 2     | 48       | 76,42          | 75,55          | -                     | 50                 | 30 | 36 | 8 | -         | 0,40 |
| 36 T5 60 | 45053660 | 2     | 60       | 95,52          | 94,65          | -                     | 65                 | 30 | 36 | 8 | -         | 0,61 |





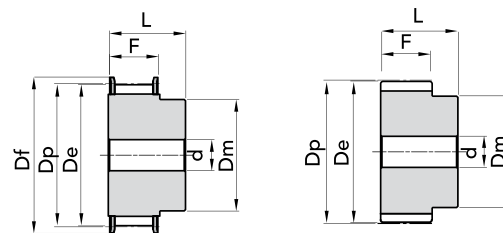
## TYPE T 10

PITCH 10 mm

for belt width 16mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

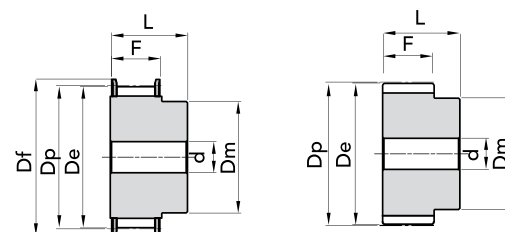
| TYPE      | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|-----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 31 T10 12 | 45103112 | 1F    | 12       | 38,20          | 36,35          | 42,0                  | 28                 | 21 | 31 | 6  | 13        | 0,08 |
| 31 T10 14 | 45103114 | 1F    | 14       | 44,56          | 42,70          | 48,0                  | 32                 | 21 | 31 | 8  | 11        | 0,10 |
| 31 T10 15 | 45103115 | 1F    | 15       | 47,75          | 45,90          | 51,0                  | 32                 | 21 | 31 | 8  | 16        | 0,12 |
| 31 T10 16 | 45103116 | 1F    | 16       | 50,93          | 49,10          | 54,0                  | 35                 | 21 | 31 | 8  | 18        | 0,13 |
| 31 T10 18 | 45103118 | 1F    | 18       | 57,29          | 55,45          | 60,0                  | 40                 | 21 | 31 | 8  | 21        | 0,17 |
| 31 T10 19 | 45103119 | 1F    | 19       | 60,48          | 58,65          | 66,0                  | 44                 | 21 | 31 | 8  | 24        | 0,18 |
| 31 T10 20 | 45103120 | 1F    | 20       | 63,66          | 61,80          | 66,0                  | 46                 | 21 | 31 | 8  | 24        | 0,21 |
| 31 T10 22 | 45103122 | 1F    | 22       | 70,03          | 68,20          | 75,0                  | 52                 | 21 | 31 | 8  | 27        | 0,25 |
| 31 T10 24 | 45103124 | 1F    | 24       | 76,39          | 74,55          | 83,0                  | 58                 | 21 | 31 | 8  | 29        | 0,29 |
| 31 T10 25 | 45103125 | 1F    | 25       | 79,58          | 77,75          | 83,0                  | 60                 | 21 | 31 | 8  | 29        | 0,31 |
| 31 T10 26 | 45103126 | 1F    | 26       | 82,76          | 80,90          | 87,0                  | 60                 | 21 | 31 | 8  | 31        | 0,36 |
| 31 T10 27 | 45103127 | 1F    | 27       | 85,95          | 84,10          | 91,0                  | 60                 | 21 | 31 | 8  | 32        | 0,37 |
| 31 T10 28 | 45103128 | 1F    | 28       | 89,12          | 87,25          | 93,0                  | 60                 | 21 | 31 | 8  | 33        | 0,40 |
| 31 T10 30 | 45103130 | 1F    | 30       | 95,49          | 93,65          | 97,0                  | 60                 | 21 | 31 | 8  | 35        | 0,44 |
| 31 T10 32 | 45103132 | 1F    | 32       | 101,86         | 100,00         | 106,0                 | 65                 | 21 | 31 | 10 | 38        | 0,49 |
| 31 T10 36 | 45103136 | 1F    | 36       | 114,59         | 112,75         | 119,0                 | 70                 | 21 | 31 | 10 | 43        | 0,62 |
| 31 T10 40 | 45103140 | 1F    | 40       | 127,32         | 125,45         | 131,0                 | 80                 | 21 | 31 | 10 | 47        | 0,77 |
| 31 T10 44 | 45103144 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 21 | 31 | 10 | -         | 1,00 |
| 31 T10 48 | 45103148 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 21 | 31 | 16 | -         | 1,10 |
| 31 T10 60 | 45103160 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 21 | 31 | 16 | -         | 1,70 |



## TYPE T 10

PITCH 10 mm

for belt width 25mm

**T20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE      | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>p</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|-----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 40 T10 12 | 45104012 | 1F    | 12       | 38,20          | 36,35          | 42,0                  | 28                 | 30 | 40 | 6  | 13        | 0,10 |
| 40 T10 14 | 45104014 | 1F    | 14       | 44,56          | 42,70          | 48,0                  | 32                 | 30 | 40 | 8  | 11        | 0,13 |
| 40 T10 15 | 45104015 | 1F    | 15       | 47,75          | 45,90          | 51,0                  | 32                 | 30 | 40 | 8  | 16        | 0,15 |
| 40 T10 16 | 45104016 | 1F    | 16       | 50,93          | 49,10          | 54,0                  | 35                 | 30 | 40 | 8  | 18        | 0,18 |
| 40 T10 18 | 45104018 | 1F    | 18       | 57,29          | 55,45          | 60,0                  | 40                 | 30 | 40 | 8  | 21        | 0,22 |
| 40 T10 19 | 45104019 | 1F    | 19       | 60,48          | 58,65          | 66,0                  | 44                 | 30 | 40 | 8  | 24        | 0,25 |
| 40 T10 20 | 45104020 | 1F    | 20       | 63,66          | 61,80          | 66,0                  | 46                 | 30 | 40 | 8  | 24        | 0,28 |
| 40 T10 22 | 45104022 | 1F    | 22       | 70,03          | 68,20          | 75,0                  | 52                 | 30 | 40 | 8  | 27        | 0,34 |
| 40 T10 24 | 45104024 | 1F    | 24       | 76,39          | 74,55          | 83,0                  | 58                 | 30 | 40 | 8  | 29        | 0,39 |
| 40 T10 25 | 45104025 | 1F    | 25       | 79,58          | 77,75          | 83,0                  | 60                 | 30 | 40 | 8  | 29        | 0,42 |
| 40 T10 26 | 45104026 | 1F    | 26       | 82,76          | 80,90          | 87,0                  | 60                 | 30 | 40 | 8  | 31        | 0,48 |
| 40 T10 27 | 45104027 | 1F    | 27       | 85,95          | 84,10          | 91,0                  | 60                 | 30 | 40 | 8  | 32        | 0,54 |
| 40 T10 28 | 45104028 | 1F    | 28       | 89,12          | 87,25          | 93,0                  | 60                 | 30 | 40 | 8  | 33        | 0,55 |
| 40 T10 30 | 45104030 | 1F    | 30       | 95,49          | 93,65          | 97,0                  | 60                 | 30 | 40 | 8  | 35        | 0,64 |
| 40 T10 32 | 45104032 | 1F    | 32       | 101,86         | 100,00         | 106,0                 | 65                 | 30 | 40 | 10 | 38        | 0,69 |
| 40 T10 36 | 45104036 | 1F    | 36       | 114,59         | 112,75         | 119,0                 | 70                 | 30 | 40 | 10 | 43        | 0,87 |
| 40 T10 40 | 45104040 | 1F    | 40       | 127,32         | 125,45         | 131,0                 | 80                 | 30 | 40 | 10 | 47        | 1,07 |
| 40 T10 44 | 45104044 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 30 | 40 | 10 | -         | 1,35 |
| 40 T10 48 | 45104048 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 30 | 40 | 16 | -         | 1,52 |
| 40 T10 60 | 45104060 | 2     | 60       | 190,98         | 189,15         | -                     | 110                | 30 | 40 | 16 | -         | 2,34 |



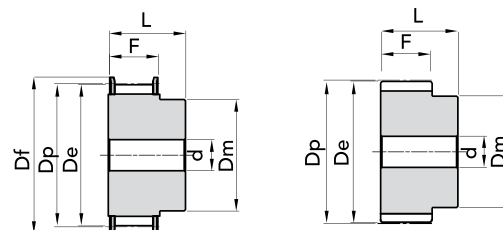
## TYPE T 10

PITCH 10 mm

for belt width 32mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

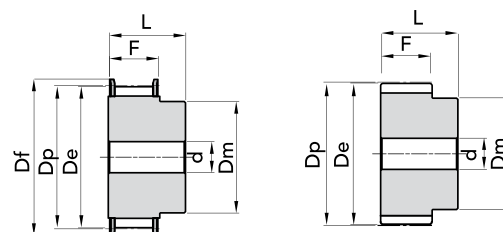
| TYPE      | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|-----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 47 T10 18 | 45104718 | 1F    | 18       | 57,29          | 55,45          | 60,0                  | 40                 | 37 | 47 | 10 | 21        | 0,25 |
| 47 T10 19 | 45104719 | 1F    | 19       | 60,48          | 58,60          | 66,0                  | 44                 | 37 | 47 | 10 | 24        | 0,29 |
| 47 T10 20 | 45104720 | 1F    | 20       | 63,66          | 61,80          | 66,0                  | 46                 | 37 | 47 | 12 | 24        | 0,32 |
| 47 T10 22 | 45104722 | 1F    | 22       | 70,03          | 68,20          | 75,0                  | 52                 | 37 | 47 | 12 | 27        | 0,39 |
| 47 T10 24 | 45104724 | 1F    | 24       | 76,39          | 74,55          | 83,0                  | 58                 | 37 | 47 | 12 | 29        | 0,47 |
| 47 T10 25 | 45104725 | 1F    | 25       | 79,58          | 77,75          | 83,0                  | 60                 | 37 | 47 | 12 | 29        | 0,53 |
| 47 T10 26 | 45104726 | 1F    | 26       | 82,76          | 80,90          | 87,0                  | 60                 | 37 | 47 | 12 | 31        | 0,56 |
| 47 T10 27 | 45104727 | 1F    | 27       | 85,95          | 84,10          | 91,0                  | 60                 | 37 | 47 | 12 | 32        | 0,60 |
| 47 T10 28 | 45104728 | 1F    | 28       | 89,12          | 87,25          | 93,0                  | 60                 | 37 | 47 | 12 | 33        | 0,64 |
| 47 T10 30 | 45104730 | 1F    | 30       | 95,49          | 93,65          | 97,0                  | 60                 | 37 | 47 | 12 | 35        | 0,74 |
| 47 T10 32 | 45104732 | 1F    | 32       | 101,86         | 100,00         | 106,0                 | 65                 | 37 | 47 | 12 | 38        | 0,84 |
| 47 T10 36 | 45104736 | 1F    | 36       | 114,59         | 112,75         | 119,0                 | 70                 | 37 | 47 | 16 | 43        | 1,06 |
| 47 T10 40 | 45104740 | 1F    | 40       | 127,32         | 125,45         | 131,0                 | 80                 | 37 | 47 | 16 | 47        | 1,32 |
| 47 T10 44 | 45104744 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 37 | 47 | 16 | -         | 1,61 |
| 47 T10 48 | 45104748 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 37 | 47 | 16 | -         | 1,93 |
| 47 T10 60 | 45104760 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 37 | 47 | 16 | -         | 3,00 |



## TYPE T 10

PITCH 10 mm

for belt width 50mm

**T20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE      | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|-----------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 66 T10 18 | 45106618 | 1F    | 18       | 57,29          | 55,45          | 60,0                  | 40                 | 56 | 66 | 10 | 21        | 0,42 |
| 66 T10 19 | 45106619 | 1F    | 19       | 60,48          | 58,65          | 66,0                  | 44                 | 56 | 66 | 10 | 24        | 0,47 |
| 66 T10 20 | 45106620 | 1F    | 20       | 63,66          | 61,80          | 66,0                  | 46                 | 56 | 66 | 12 | 24        | 0,52 |
| 66 T10 22 | 45106622 | 1F    | 22       | 70,03          | 68,20          | 75,0                  | 52                 | 56 | 66 | 12 | 27        | 0,57 |
| 66 T10 24 | 45106624 | 1F    | 24       | 76,39          | 74,55          | 83,0                  | 58                 | 56 | 66 | 12 | 29        | 0,74 |
| 66 T10 25 | 45106625 | 1F    | 25       | 79,58          | 77,70          | 83,0                  | 60                 | 56 | 66 | 12 | 29        | 0,77 |
| 66 T10 26 | 45106626 | 1F    | 26       | 82,76          | 80,90          | 87,0                  | 60                 | 56 | 66 | 12 | 31        | 0,82 |
| 66 T10 27 | 45106627 | 1F    | 27       | 85,95          | 84,10          | 91,0                  | 60                 | 56 | 66 | 12 | 32        | 0,95 |
| 66 T10 28 | 45106628 | 1F    | 28       | 89,12          | 87,25          | 93,0                  | 60                 | 56 | 66 | 12 | 33        | 0,96 |
| 66 T10 30 | 45106630 | 1F    | 30       | 95,49          | 93,65          | 97,0                  | 60                 | 56 | 66 | 12 | 35        | 1,17 |
| 66 T10 32 | 45106632 | 1F    | 32       | 101,86         | 100,00         | 106,0                 | 65                 | 56 | 66 | 12 | 38        | 1,30 |
| 66 T10 36 | 45106636 | 1F    | 36       | 114,59         | 112,75         | 119,0                 | 70                 | 56 | 66 | 16 | 43        | 1,64 |
| 66 T10 40 | 45106640 | 1F    | 40       | 127,32         | 125,45         | 131,0                 | 80                 | 56 | 66 | 16 | 47        | 2,00 |
| 66 T10 44 | 45106644 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 56 | 66 | 16 | -         | 2,36 |
| 66 T10 48 | 45106648 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 56 | 66 | 16 | -         | 2,83 |
| 66 T10 60 | 45106660 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 56 | 66 | 16 | -         | 4,37 |







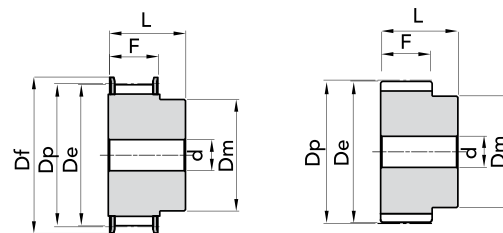
## TYPE CT 5

PITCH 5 mm

for belt width 10mm

CT20 pitch pulleys are  
manufactured on demand.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

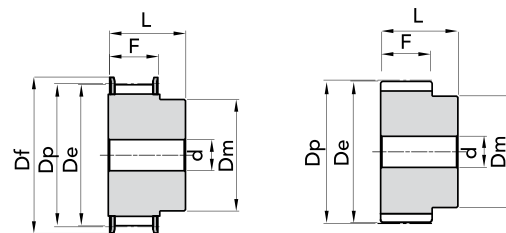
| TYPE         | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|--------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 21 CT 5 Z 12 | 46052112 | 1F    | 12       | 19,10          | 17,85          | 23,0                  | 11                 | 15 | 21 | - | 1         | 0,01 |
| 21 CT 5 Z 14 | 46052114 | 1F    | 14       | 22,29          | 21,05          | 25,0                  | 13                 | 15 | 21 | - | 2         | 0,02 |
| 21 CT 5 Z 15 | 46052115 | 1F    | 15       | 23,88          | 22,65          | 28,0                  | 16                 | 15 | 21 | 6 | 4         | 0,02 |
| 21 CT 5 Z 16 | 46052116 | 1F    | 16       | 25,47          | 24,20          | 32,0                  | 18                 | 15 | 21 | 6 | 5         | 0,03 |
| 21 CT 5 Z 18 | 46052118 | 1F    | 18       | 28,65          | 27,40          | 32,0                  | 20                 | 15 | 21 | 6 | 6         | 0,03 |
| 21 CT 5 Z 19 | 46052119 | 1F    | 19       | 30,25          | 29,00          | 36,0                  | 22                 | 15 | 21 | 6 | 8         | 0,04 |
| 21 CT 5 Z 20 | 46052120 | 1F    | 20       | 31,83          | 30,60          | 36,0                  | 23                 | 15 | 21 | 6 | 8         | 0,04 |
| 21 CT 5 Z 22 | 46052122 | 1F    | 22       | 35,02          | 33,85          | 38,0                  | 24                 | 15 | 21 | 6 | 9         | 0,05 |
| 21 CT 5 Z 24 | 46052124 | 1F    | 24       | 38,21          | 37,00          | 42,0                  | 26                 | 15 | 21 | 6 | 13        | 0,06 |
| 21 CT 5 Z 25 | 46052125 | 1F    | 25       | 39,80          | 38,60          | 44,0                  | 26                 | 15 | 21 | 6 | 12        | 0,06 |
| 21 CT 5 Z 26 | 46052126 | 1F    | 26       | 41,39          | 40,20          | 44,0                  | 26                 | 15 | 21 | 6 | 12        | 0,06 |
| 21 CT 5 Z 27 | 46052127 | 1F    | 27       | 42,98          | 41,80          | 48,0                  | 30                 | 15 | 21 | 8 | 11        | 0,07 |
| 21 CT 5 Z 28 | 46052128 | 1F    | 28       | 44,58          | 43,35          | 48,0                  | 32                 | 15 | 21 | 8 | 11        | 0,07 |
| 21 CT 5 Z 30 | 46052130 | 1F    | 30       | 47,76          | 46,55          | 51,0                  | 34                 | 15 | 21 | 8 | 16        | 0,07 |
| 21 CT 5 Z 32 | 46052132 | 1F    | 32       | 50,94          | 49,70          | 54,0                  | 38                 | 15 | 21 | 8 | 18        | 0,09 |
| 21 CT 5 Z 36 | 46052136 | 1F    | 36       | 57,31          | 56,05          | 64,0                  | 38                 | 15 | 21 | 8 | 23        | 0,11 |
| 21 CT 5 Z 40 | 46052140 | 1F    | 40       | 63,66          | 62,45          | 66,5                  | 40                 | 15 | 21 | 8 | 24        | 0,14 |
| 21 CT 5 Z 42 | 46052142 | 1F    | 42       | 66,86          | 65,60          | 70,0                  | 40                 | 15 | 21 | 8 | 26        | 0,18 |
| 21 CT 5 Z 44 | 46052144 | 2     | 44       | 70,05          | 68,80          | -                     | 45                 | 15 | 21 | 8 | -         | 0,18 |
| 21 CT 5 Z 48 | 46052148 | 2     | 48       | 76,42          | 75,15          | -                     | 50                 | 15 | 21 | 8 | -         | 0,20 |
| 21 CT 5 Z 60 | 46052160 | 2     | 60       | 95,52          | 94,25          | -                     | 65                 | 15 | 21 | 8 | -         | 0,31 |



## TYPE CT 5

PITCH 5 mm

for belt width 16mm

**CT20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE         | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|--------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 27 CT 5 Z 12 | 46052712 | 1F    | 12       | 19,10          | 17,85          | 23,0                  | 11                 | 21 | 27 | - | 1         | 0,02 |
| 27 CT 5 Z 14 | 46052714 | 1F    | 14       | 22,29          | 21,05          | 25,0                  | 13                 | 21 | 27 | - | 2         | 0,03 |
| 27 CT 5 Z 15 | 46052715 | 1F    | 15       | 23,88          | 22,65          | 28,0                  | 16                 | 21 | 27 | 6 | 4         | 0,03 |
| 27 CT 5 Z 16 | 46052716 | 1F    | 16       | 25,47          | 24,20          | 32,0                  | 18                 | 21 | 27 | 6 | 5         | 0,04 |
| 27 CT 5 Z 18 | 46052718 | 1F    | 18       | 28,65          | 27,40          | 32,0                  | 20                 | 21 | 27 | 6 | 6         | 0,04 |
| 27 CT 5 Z 19 | 46052719 | 1F    | 19       | 30,25          | 29,00          | 36,0                  | 22                 | 21 | 27 | 6 | 8         | 0,05 |
| 27 CT 5 Z 20 | 46052720 | 1F    | 20       | 31,83          | 30,60          | 36,0                  | 23                 | 21 | 27 | 6 | 8         | 0,06 |
| 27 CT 5 Z 22 | 46052722 | 1F    | 22       | 35,02          | 33,85          | 38,0                  | 24                 | 21 | 27 | 6 | 9         | 0,06 |
| 27 CT 5 Z 24 | 46052724 | 1F    | 24       | 38,21          | 37,00          | 42,0                  | 26                 | 21 | 27 | 6 | 13        | 0,08 |
| 27 CT 5 Z 25 | 46052725 | 1F    | 25       | 39,80          | 38,60          | 44,0                  | 26                 | 21 | 27 | 6 | 12        | 0,08 |
| 27 CT 5 Z 26 | 46052726 | 1F    | 26       | 41,39          | 40,20          | 44,0                  | 26                 | 21 | 27 | 6 | 12        | 0,09 |
| 27 CT 5 Z 27 | 46052727 | 1F    | 27       | 42,98          | 41,80          | 48,0                  | 30                 | 21 | 27 | 8 | 11        | 0,09 |
| 27 CT 5 Z 28 | 46052728 | 1F    | 28       | 44,58          | 43,35          | 48,0                  | 32                 | 21 | 27 | 8 | 11        | 0,09 |
| 27 CT 5 Z 30 | 46052730 | 1F    | 30       | 47,76          | 46,55          | 51,0                  | 34                 | 21 | 27 | 8 | 16        | 0,10 |
| 27 CT 5 Z 32 | 46052732 | 1F    | 32       | 50,94          | 49,70          | 54,0                  | 38                 | 21 | 27 | 8 | 18        | 0,12 |
| 27 CT 5 Z 36 | 46052736 | 1F    | 36       | 57,31          | 56,05          | 64,0                  | 38                 | 21 | 27 | 8 | 23        | 0,16 |
| 27 CT 5 Z 40 | 46052740 | 1F    | 40       | 63,66          | 62,45          | 66,5                  | 40                 | 21 | 27 | 8 | 24        | 0,19 |
| 27 CT 5 Z 42 | 46052742 | 1F    | 42       | 66,86          | 65,60          | 70,0                  | 40                 | 21 | 27 | 8 | 26        | 0,20 |
| 27 CT 5 Z 44 | 46052744 | 2     | 44       | 70,05          | 68,80          | -                     | 45                 | 21 | 27 | 8 | -         | 0,23 |
| 27 CT 5 Z 48 | 46052748 | 2     | 48       | 76,42          | 75,15          | -                     | 50                 | 21 | 27 | 8 | -         | 0,28 |
| 27 CT 5 Z 60 | 46052760 | 2     | 60       | 95,52          | 94,25          | -                     | 65                 | 21 | 27 | 8 | -         | 0,43 |





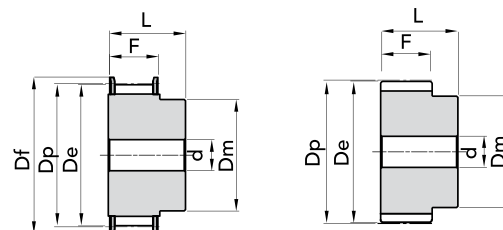
## TYPE CT 5

PITCH 5 mm

for belt width 25mm

CT20 pitch pulleys are  
manufactured on demand.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

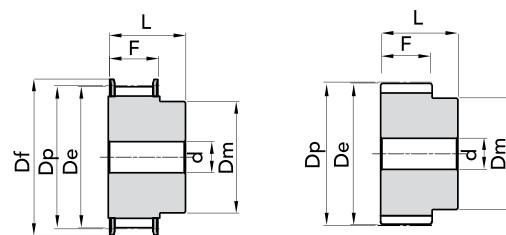
| TYPE         | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d | N. FLANGE | Kg   |
|--------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|---|-----------|------|
| 36 CT 5 Z 12 | 46053612 | 1F    | 12       | 19,10          | 17,85          | 23,0                  | 11                 | 30 | 36 | - | 1         | 0,03 |
| 36 CT 5 Z 14 | 46053614 | 1F    | 14       | 22,29          | 21,05          | 25,0                  | 13                 | 30 | 36 | - | 2         | 0,04 |
| 36 CT 5 Z 15 | 46053615 | 1F    | 15       | 23,88          | 22,65          | 28,0                  | 16                 | 30 | 36 | 6 | 4         | 0,04 |
| 36 CT 5 Z 16 | 46053616 | 1F    | 16       | 25,47          | 24,20          | 32,0                  | 18                 | 30 | 36 | 6 | 5         | 0,05 |
| 36 CT 5 Z 18 | 46053618 | 1F    | 18       | 28,65          | 27,40          | 32,0                  | 20                 | 30 | 36 | 6 | 6         | 0,06 |
| 36 CT 5 Z 19 | 46053619 | 1F    | 19       | 30,25          | 29,00          | 36,0                  | 22                 | 30 | 36 | 6 | 8         | 0,07 |
| 36 CT 5 Z 20 | 46053620 | 1F    | 20       | 31,83          | 30,60          | 36,0                  | 23                 | 30 | 36 | 6 | 8         | 0,08 |
| 36 CT 5 Z 22 | 46053622 | 1F    | 22       | 35,02          | 33,85          | 38,0                  | 24                 | 30 | 36 | 6 | 9         | 0,08 |
| 36 CT 5 Z 24 | 46053624 | 1F    | 24       | 38,21          | 37,00          | 42,0                  | 26                 | 30 | 36 | 6 | 13        | 0,11 |
| 36 CT 5 Z 25 | 46053625 | 1F    | 25       | 39,80          | 38,60          | 44,0                  | 26                 | 30 | 36 | 6 | 12        | 0,12 |
| 36 CT 5 Z 26 | 46053626 | 1F    | 26       | 41,39          | 40,20          | 44,0                  | 26                 | 30 | 36 | 6 | 12        | 0,12 |
| 36 CT 5 Z 27 | 46053627 | 1F    | 27       | 42,98          | 41,80          | 48,0                  | 30                 | 30 | 36 | 8 | 11        | 0,13 |
| 36 CT 5 Z 28 | 46053628 | 1F    | 28       | 44,58          | 43,35          | 48,0                  | 32                 | 30 | 36 | 8 | 11        | 0,14 |
| 36 CT 5 Z 30 | 46053630 | 1F    | 30       | 47,76          | 46,55          | 51,0                  | 34                 | 30 | 36 | 8 | 16        | 0,15 |
| 36 CT 5 Z 32 | 46053632 | 1F    | 32       | 50,94          | 49,70          | 54,0                  | 38                 | 30 | 36 | 8 | 18        | 0,18 |
| 36 CT 5 Z 36 | 46053636 | 1F    | 36       | 57,31          | 56,05          | 64,0                  | 38                 | 30 | 36 | 8 | 23        | 0,23 |
| 36 CT 5 Z 40 | 46053640 | 1F    | 40       | 63,66          | 62,45          | 66,5                  | 40                 | 30 | 36 | 8 | 24        | 0,28 |
| 36 CT 5 Z 42 | 46053642 | 1F    | 42       | 66,86          | 65,60          | 70,0                  | 40                 | 30 | 36 | 8 | 26        | 0,29 |
| 36 CT 5 Z 44 | 46053644 | 2     | 44       | 70,05          | 68,80          | -                     | 45                 | 30 | 36 | 8 | -         | 0,31 |
| 36 CT 5 Z 48 | 46053648 | 2     | 48       | 76,42          | 75,15          | -                     | 50                 | 30 | 36 | 8 | -         | 0,40 |
| 36 CT 5 Z 60 | 46053660 | 2     | 60       | 95,52          | 94,25          | -                     | 65                 | 30 | 36 | 8 | -         | 0,61 |



## TYPE CT 10

PITCH 10 mm

for belt width 16mm

**T20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE       | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 31 CT10 15 | 46103115 | 1F    | 15       | 47,75          | 45,90          | 51                    | 32                 | 21 | 31 | 8  | 16        | 0,12 |
| 31 CT10 16 | 46103116 | 1F    | 16       | 50,93          | 49,05          | 54                    | 35                 | 21 | 31 | 8  | 18        | 0,13 |
| 31 CT10 18 | 46103118 | 1F    | 18       | 57,29          | 55,45          | 60                    | 40                 | 21 | 31 | 8  | 21        | 0,17 |
| 31 CT10 19 | 46103119 | 1F    | 19       | 60,48          | 58,60          | 66,5                  | 44                 | 21 | 31 | 8  | 24        | 0,18 |
| 31 CT10 20 | 46103120 | 1F    | 20       | 63,66          | 61,80          | 66,5                  | 46                 | 21 | 31 | 8  | 24        | 0,21 |
| 31 CT10 22 | 46103122 | 1F    | 22       | 70,03          | 68,15          | 75                    | 52                 | 21 | 31 | 8  | 27        | 0,25 |
| 31 CT10 24 | 46103124 | 1F    | 24       | 76,39          | 74,55          | 83                    | 58                 | 21 | 31 | 8  | 29        | 0,29 |
| 31 CT10 25 | 46103125 | 1F    | 25       | 79,58          | 77,70          | 83                    | 60                 | 21 | 31 | 8  | 29        | 0,31 |
| 31 CT10 26 | 46103126 | 1F    | 26       | 82,76          | 80,90          | 87                    | 60                 | 21 | 31 | 8  | 31        | 0,36 |
| 31 CT10 27 | 46103127 | 1F    | 27       | 85,95          | 84,10          | 91                    | 60                 | 21 | 31 | 8  | 32        | 0,37 |
| 31 CT10 28 | 46103128 | 1F    | 28       | 89,12          | 87,25          | 93                    | 60                 | 21 | 31 | 8  | 33        | 0,40 |
| 31 CT10 30 | 46103130 | 1F    | 30       | 95,49          | 93,65          | 97                    | 60                 | 21 | 31 | 8  | 35        | 0,44 |
| 31 CT10 32 | 46103132 | 1F    | 32       | 101,86         | 100,00         | 106                   | 65                 | 21 | 31 | 10 | 38        | 0,49 |
| 31 CT10 36 | 46103136 | 1F    | 36       | 114,59         | 112,75         | 119                   | 70                 | 21 | 31 | 10 | 43        | 0,62 |
| 31 CT10 40 | 46103140 | 1F    | 40       | 127,32         | 125,45         | 131                   | 80                 | 21 | 31 | 10 | 47        | 0,77 |
| 31 CT10 44 | 46103144 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 21 | 31 | 10 | -         | 1,00 |
| 31 CT10 48 | 46103148 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 21 | 31 | 16 | -         | 1,10 |
| 31 CT10 60 | 46103160 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 21 | 31 | 16 | -         | 1,70 |



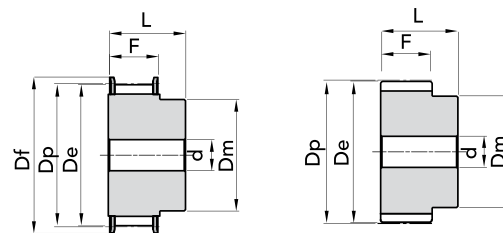
## TYPE CT 10

PITCH 10 mm

for belt width 25mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

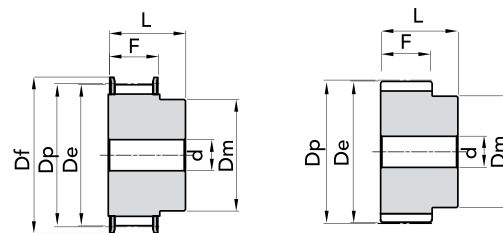
| TYPE       | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 40 CT10 15 | 46104015 | 1F    | 15       | 47,75          | 45,90          | 51                    | 32                 | 30 | 40 | 8  | 16        | 0,15 |
| 40 CT10 16 | 46104016 | 1F    | 16       | 50,93          | 49,05          | 54                    | 35                 | 30 | 40 | 8  | 18        | 0,18 |
| 40 CT10 18 | 46104018 | 1F    | 18       | 57,29          | 55,45          | 60                    | 40                 | 30 | 40 | 8  | 21        | 0,22 |
| 40 CT10 19 | 46104019 | 1F    | 19       | 60,48          | 58,60          | 66,5                  | 44                 | 30 | 40 | 8  | 24        | 0,25 |
| 40 CT10 20 | 46104020 | 1F    | 20       | 63,66          | 61,80          | 66,5                  | 46                 | 30 | 40 | 8  | 24        | 0,28 |
| 40 CT10 22 | 46104022 | 1F    | 22       | 70,03          | 68,15          | 75                    | 52                 | 30 | 40 | 8  | 27        | 0,34 |
| 40 CT10 24 | 46104024 | 1F    | 24       | 76,39          | 74,55          | 83                    | 58                 | 30 | 40 | 8  | 29        | 0,39 |
| 40 CT10 25 | 46104025 | 1F    | 25       | 79,58          | 77,70          | 83                    | 60                 | 30 | 40 | 8  | 29        | 0,42 |
| 40 CT10 26 | 46104026 | 1F    | 26       | 82,76          | 80,90          | 87                    | 60                 | 30 | 40 | 8  | 31        | 0,48 |
| 40 CT10 27 | 46104027 | 1F    | 27       | 85,95          | 84,10          | 91                    | 60                 | 30 | 40 | 8  | 32        | 0,54 |
| 40 CT10 28 | 46104028 | 1F    | 28       | 89,12          | 87,25          | 93                    | 60                 | 30 | 40 | 8  | 33        | 0,55 |
| 40 CT10 30 | 46104030 | 1F    | 30       | 95,49          | 93,65          | 97                    | 60                 | 30 | 40 | 8  | 35        | 0,64 |
| 40 CT10 32 | 46104032 | 1F    | 32       | 101,86         | 100,00         | 106                   | 65                 | 30 | 40 | 10 | 38        | 0,69 |
| 40 CT10 36 | 46104036 | 1F    | 36       | 114,59         | 112,75         | 119                   | 70                 | 30 | 40 | 10 | 43        | 0,87 |
| 40 CT10 40 | 46104040 | 1F    | 40       | 127,32         | 125,45         | 131                   | 80                 | 30 | 40 | 10 | 47        | 1,07 |
| 40 CT10 44 | 46104044 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 30 | 40 | 10 | -         | 1,35 |
| 40 CT10 48 | 46104048 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 30 | 40 | 16 | -         | 1,52 |
| 40 CT10 60 | 46104060 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 30 | 40 | 16 | -         | 2,34 |



## TYPE CT 10

PITCH 10 mm

for belt width 32mm

**T20 pitch pulleys are  
manufactured on demand.****MATERIAL**  
ALUMINIUM 6082-T6 EN 573**EXEC. 1F****EXEC. 2**

| TYPE       | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>p</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 47 CT10 18 | 46104718 | 1F    | 18       | 57,29          | 55,45          | 60                    | 40                 | 37 | 47 | 10 | 21        | 0,25 |
| 47 CT10 19 | 46104719 | 1F    | 19       | 60,48          | 58,60          | 66,5                  | 44                 | 37 | 47 | 10 | 24        | 0,29 |
| 47 CT10 20 | 46104720 | 1F    | 20       | 63,66          | 61,80          | 66,5                  | 46                 | 37 | 47 | 12 | 24        | 0,32 |
| 47 CT10 22 | 46104722 | 1F    | 22       | 70,03          | 68,15          | 75                    | 52                 | 37 | 47 | 12 | 27        | 0,39 |
| 47 CT10 24 | 46104724 | 1F    | 24       | 76,39          | 74,55          | 83                    | 58                 | 37 | 47 | 12 | 29        | 0,47 |
| 47 CT10 25 | 46104725 | 1F    | 25       | 79,58          | 77,70          | 83                    | 60                 | 37 | 47 | 12 | 29        | 0,53 |
| 47 CT10 26 | 46104726 | 1F    | 26       | 82,76          | 80,90          | 87                    | 60                 | 37 | 47 | 12 | 31        | 0,56 |
| 47 CT10 27 | 46104727 | 1F    | 27       | 85,95          | 84,10          | 91                    | 60                 | 37 | 47 | 12 | 32        | 0,60 |
| 47 CT10 28 | 46104728 | 1F    | 28       | 89,12          | 87,25          | 93                    | 60                 | 37 | 47 | 12 | 33        | 0,64 |
| 47 CT10 30 | 46104730 | 1F    | 30       | 95,49          | 93,65          | 97                    | 60                 | 37 | 47 | 12 | 35        | 0,74 |
| 47 CT10 32 | 46104732 | 1F    | 32       | 101,86         | 100,00         | 106                   | 65                 | 37 | 47 | 12 | 38        | 0,84 |
| 47 CT10 36 | 46104736 | 1F    | 36       | 114,59         | 112,75         | 119                   | 70                 | 37 | 47 | 16 | 43        | 1,06 |
| 47 CT10 40 | 46104740 | 1F    | 40       | 127,32         | 125,45         | 131                   | 80                 | 37 | 47 | 16 | 47        | 1,32 |
| 47 CT10 44 | 46104744 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 37 | 47 | 16 | -         | 1,61 |
| 47 CT10 48 | 46104748 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 37 | 47 | 16 | -         | 1,93 |
| 47 CT10 60 | 46104760 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 37 | 47 | 16 | -         | 3,00 |



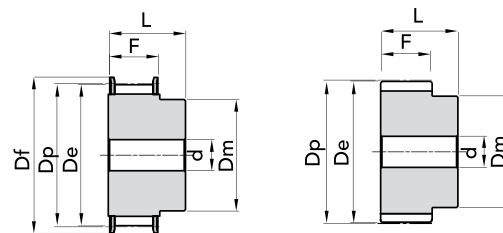
## TYPE CT 10

PITCH 10 mm

for belt width 50mm

**T20 pitch pulleys are  
manufactured on demand.**

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



EXEC. 1F

EXEC. 2

| TYPE       | CODE     | EXEC. | N. TEETH | d <sub>p</sub> | D <sub>e</sub> | d <sub>f</sub> FLANGE | d <sub>m</sub> HUB | F  | L  | d  | N. FLANGE | Kg   |
|------------|----------|-------|----------|----------------|----------------|-----------------------|--------------------|----|----|----|-----------|------|
| 66 CT10 18 | 46106618 | 1F    | 18       | 57,29          | 55,45          | 60                    | 40                 | 56 | 66 | 10 | 21        | 0,42 |
| 66 CT10 19 | 46106619 | 1F    | 19       | 60,48          | 58,60          | 66,5                  | 44                 | 56 | 66 | 10 | 24        | 0,47 |
| 66 CT10 20 | 46106620 | 1F    | 20       | 63,66          | 61,80          | 66,5                  | 46                 | 56 | 66 | 12 | 24        | 0,52 |
| 66 CT10 22 | 46106622 | 1F    | 22       | 70,03          | 68,15          | 75                    | 52                 | 56 | 66 | 12 | 27        | 0,57 |
| 66 CT10 24 | 46106624 | 1F    | 24       | 76,39          | 74,55          | 83                    | 58                 | 56 | 66 | 12 | 29        | 0,74 |
| 66 CT10 25 | 46106625 | 1F    | 25       | 79,58          | 77,70          | 83                    | 60                 | 56 | 66 | 12 | 29        | 0,77 |
| 66 CT10 26 | 46106626 | 1F    | 26       | 82,76          | 80,90          | 87                    | 60                 | 56 | 66 | 12 | 31        | 0,82 |
| 66 CT10 27 | 46106627 | 1F    | 27       | 85,95          | 84,10          | 91                    | 60                 | 56 | 66 | 12 | 32        | 0,95 |
| 66 CT10 28 | 46106628 | 1F    | 28       | 89,12          | 87,25          | 93                    | 60                 | 56 | 66 | 12 | 33        | 0,96 |
| 66 CT10 30 | 46106630 | 1F    | 30       | 95,49          | 93,65          | 97                    | 60                 | 56 | 66 | 12 | 35        | 1,17 |
| 66 CT10 32 | 46106632 | 1F    | 32       | 101,86         | 100,00         | 106                   | 65                 | 56 | 66 | 12 | 38        | 1,30 |
| 66 CT10 36 | 46106636 | 1F    | 36       | 114,59         | 112,75         | 119                   | 70                 | 56 | 66 | 16 | 43        | 1,64 |
| 66 CT10 40 | 46106640 | 1F    | 40       | 127,32         | 125,45         | 131                   | 80                 | 56 | 66 | 16 | 47        | 2,00 |
| 66 CT10 44 | 46106644 | 2     | 44       | 140,05         | 138,20         | -                     | 88                 | 56 | 66 | 16 | -         | 2,36 |
| 66 CT10 48 | 46106648 | 2     | 48       | 152,78         | 150,95         | -                     | 95                 | 56 | 66 | 16 | -         | 2,83 |
| 66 CT10 60 | 46106660 | 2     | 60       | 190,98         | 189,10         | -                     | 110                | 56 | 66 | 16 | -         | 4,37 |

# V-belt pulleys

## LEGEND

PITCH = *PASSO*

# Index

|     |                                           |
|-----|-------------------------------------------|
| 256 | <b>FOR TAPER BUSHES</b>                   |
| 282 | <b>PILOT BORE</b>                         |
| 298 | <b>FOR LOCKING ASSEMBLES RCK 15</b>       |
| 302 | ADJUSTABLE V-BELTS PULLEY <b>PRB TYPE</b> |
| 304 | <b>PPV-J MICRO V DIMENSIONS</b>           |



## V-BELT PULLEY

### CAST IRON V-BELT PULLEYS

All V-Belt pulleys are manufactured according to the applicable Standard and are made of GG 20 Cast Iron with protective phosphating treatment. Standard pulleys are all statically balanced, which is sufficient for the circumferential speed up to 25 m/s. For higher speeds, dynamic balancing is required, which can be provided on request.

Above 35 m/s, cast iron pulleys are no longer suitable and high-strength materials must be used.

$D = \varnothing$  in meters.

$n$  = number of rpm.

$$V_p = \frac{(\pi \cdot D \cdot n)}{60} = \frac{D \cdot n}{19.1} \text{ m/sec.}$$

All dimensions reported on the dimensional tables are not mandatory although they will be followed as far as possible. We reserve the right to make variations and changes without prior notice.

| Features of the gorge |       |     |      |      |    |     |      |      | Band width |     |     |     |      |
|-----------------------|-------|-----|------|------|----|-----|------|------|------------|-----|-----|-----|------|
| PROFILE               | Dp    | a°  | W pg | g    | h  | b   | f    | e    | N° GROOVES | SPZ | SPA | SPB | SPC  |
|                       | mm    |     |      |      |    | mm  |      |      |            |     |     |     |      |
| SPZ                   | < 80  | 34° | 8,5  | 9,7  | 9  | 2   | 8    | 12   | 1          | 16  | 20  | 25  | 34   |
|                       | > 80  | 38° |      |      |    |     |      |      | 2          | 28  | 35  | 44  | 59,5 |
| SPA                   | < 118 | 34° | 11   | 12,7 | 11 | 2,8 | 10   | 15   | 3          | 40  | 50  | 63  | 85   |
|                       | > 118 | 38° |      |      |    |     |      |      | 4          | 52  | 65  | 82  | 111  |
| SPB                   | < 190 | 34° | 14   | 16,3 | 14 | 3,5 | 12,5 | 19   | 5          | 64  | 80  | 101 | 136  |
|                       | > 190 | 38° |      |      |    |     |      |      | 6          |     | 95  | 120 | 162  |
| SPC                   | < 315 | 34° | 19   | 22,0 | 19 | 4,8 | 17   | 25,5 | 8          |     |     | 158 | 213  |
|                       | > 315 | 38° |      |      |    |     |      |      | 10         |     |     | 196 | 264  |







## SPZ/01 TYPE

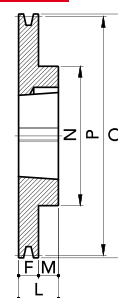
### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

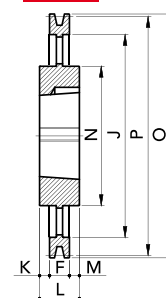
#### MATERIAL

CAST-IRON G20/25 EN 1561

TYPE 1



TYPE 4



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E | F  | J   | K    | L  | M    | N   | Kg   |
|------------|-------------|---------|-----|-----|------|------|----------|---|----|-----|------|----|------|-----|------|
| 91100601   | SPZ60-01    | 1       | 60  | 64  | 1    | 1008 | 25       | - | 22 | -   | -    | 22 | /    | /   | 0,3  |
| 91100631   | SPZ63-01    | 1       | 63  | 67  | 1    | 1108 | 28       | - | 16 | -   | -    | 22 | 6    | 56  | 0,23 |
| 91100671   | SPZ67-01    | 1       | 67  | 71  | 1    | 1108 | 28       | - | 16 | -   | -    | 22 | 6    | 60  | 0,3  |
| 91100711   | SPZ71-01    | 1       | 71  | 75  | 1    | 1108 | 28       | - | 16 | -   | -    | 22 | 6    | 60  | 0,35 |
| 91100751   | SPZ75-01    | 1       | 75  | 79  | 1    | 1108 | 28       | - | 16 | -   | -    | 22 | 6    | 60  | 0,4  |
| 91100801   | SPZ80-01    | 1       | 80  | 84  | 1    | 1210 | 32       | - | 16 | -   | -    | 25 | 9    | 75  | 0,49 |
| 91100851   | SPZ85-01    | 1       | 85  | 89  | 1    | 1210 | 32       | - | 16 | -   | -    | 25 | 9    | 80  | 0,6  |
| 91100901   | SPZ90-01    | 1       | 90  | 94  | 1    | 1210 | 32       | - | 16 | -   | -    | 25 | 9    | 80  | 0,7  |
| 91100951   | SPZ95-01    | 1       | 95  | 99  | 1    | 1210 | 32       | - | 16 | -   | -    | 25 | 9    | 85  | 0,8  |
| 91101001   | SPZ100-01   | 1       | 100 | 104 | 1    | 1210 | 32       | - | 16 | -   | -    | 25 | 9    | 85  | 0,9  |
| 91101061   | SPZ106-01   | 1       | 106 | 110 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 0,92 |
| 91101121   | SPZ112-01   | 1       | 112 | 116 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,03 |
| 91101181   | SPZ118-01   | 1       | 118 | 122 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,16 |
| 91101251   | SPZ125-01   | 1       | 125 | 129 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,3  |
| 91101321   | SPZ132-01   | 1       | 132 | 136 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,45 |
| 91101401   | SPZ140-01   | 1       | 140 | 144 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,65 |
| 91101501   | SPZ150-01   | 1       | 150 | 154 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 1,92 |
| 91101601   | SPZ160-01   | 1       | 160 | 164 | 1    | 1610 | 42       | - | 16 | -   | -    | 25 | 9    | 92  | 2,17 |
| 91101801   | SPZ180-01   | 1       | 180 | 184 | 4    | 1610 | 42       | - | 16 | 152 | -    | 25 | 9    | 92  | 1,9  |
| 91102001   | SPZ200-01   | 1       | 200 | 204 | 4    | 2012 | 50       | - | 16 | 171 | -    | 32 | 16   | 112 | 2,25 |
| 91102241   | SPZ224-01   | 1       | 224 | 228 | 4    | 2012 | 50       | - | 16 | 195 | -    | 32 | 16   | 112 | 2,93 |
| 91102501   | SPZ250-01   | 1       | 250 | 254 | 4    | 2012 | 50       | - | 16 | 221 | 8    | 32 | 8    | 112 | 3,37 |
| 91102801   | SPZ280-01   | 1       | 280 | 284 | 4    | 2012 | 50       | - | 16 | 251 | 8    | 32 | 8    | 112 | 3,7  |
| 91103151   | SPZ315-01   | 1       | 315 | 319 | 4    | 2012 | 50       | - | 16 | 286 | 8    | 32 | 8    | 112 | 4,32 |
| 91103551   | SPZ355-01   | 1       | 355 | 359 | 4    | 2012 | 50       | - | 16 | 326 | 8    | 32 | 8    | 112 | 5,1  |
| 91104001   | SPZ400-01   | 1       | 400 | 404 | 4    | 2012 | 50       | - | 16 | 371 | 8    | 32 | 8    | 112 | 5,99 |
| 91104501   | SPZ450-01   | 1       | 450 | 454 | 4    | 2517 | 65       | - | 16 | 421 | 14,5 | 45 | 14,5 | 124 | 7,19 |
| 91105001   | SPZ500-01   | 1       | 500 | 504 | 4    | 2517 | 65       | - | 16 | 471 | 14,5 | 45 | 14,5 | 124 | 8,5  |



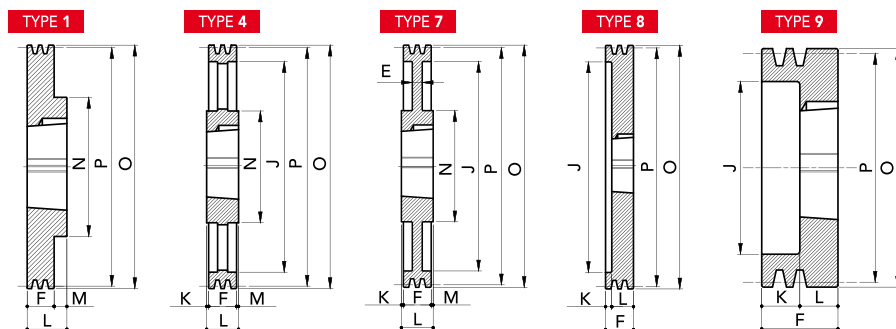
## SPZ/02 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E  | F  | J   | K   | L  | M   | N   | Kg    |
|------------|-------------|---------|-----|-----|------|------|----------|----|----|-----|-----|----|-----|-----|-------|
| 91100602   | SPZ60-02    | 2       | 60  | 64  | 9    | 1108 | 28       | -  | 49 | 36  | 27  | 22 | -   | -   | 0,6   |
| 91100632   | SPZ63-02    | 2       | 63  | 67  | 8    | 1108 | 28       | -  | 28 | 40  | 6   | 22 | -   | -   | 0,3   |
| 91100672   | SPZ67-02    | 2       | 67  | 71  | 8    | 1108 | 28       | -  | 28 | 42  | 6   | 22 | -   | -   | 0,36  |
| 91100712   | SPZ71-02    | 2       | 71  | 75  | 8    | 1108 | 28       | -  | 28 | 42  | 6   | 22 | -   | -   | 0,45  |
| 91100752   | SPZ75-02    | 2       | 75  | 79  | 8    | 1210 | 32       | -  | 28 | 51  | 3   | 25 | -   | -   | 0,41  |
| 91100802   | SPZ80-02    | 2       | 80  | 84  | 8    | 1210 | 32       | -  | 28 | 51  | 3   | 25 | -   | -   | 0,52  |
| 91100852   | SPZ85-02    | 2       | 85  | 89  | 8    | 1610 | 42       | -  | 28 | 60  | 3   | 25 | -   | -   | 0,5   |
| 91100902   | SPZ90-02    | 2       | 90  | 94  | 8    | 1610 | 42       | -  | 28 | 61  | 3   | 25 | -   | -   | 0,63  |
| 91100952   | SPZ95-02    | 2       | 95  | 99  | 8    | 1610 | 42       | -  | 28 | 66  | 3   | 25 | -   | -   | 0,74  |
| 91101002   | SPZ100-02   | 2       | 100 | 104 | 8    | 1610 | 42       | -  | 28 | 71  | 3   | 25 | -   | -   | 0,9   |
| 91101062   | SPZ106-02   | 2       | 106 | 110 | 8    | 1610 | 42       | -  | 28 | 76  | 3   | 25 | -   | -   | 1,05  |
| 91101122   | SPZ112-02   | 2       | 112 | 116 | 8    | 1610 | 42       | -  | 28 | 83  | 3   | 25 | -   | -   | 1,25  |
| 91101182   | SPZ118-02   | 2       | 118 | 122 | 8    | 1610 | 42       | -  | 28 | 90  | 3   | 25 | -   | -   | 1,45  |
| 91101252   | SPZ125-02   | 2       | 125 | 129 | 8    | 1610 | 42       | -  | 28 | 96  | 3   | 25 | -   | -   | 1,65  |
| 91101322   | SPZ132-02   | 2       | 132 | 136 | 8    | 1610 | 42       | -  | 28 | 103 | 3   | 25 | -   | -   | 1,9   |
| 91101402   | SPZ140-02   | 2       | 140 | 144 | 8    | 1610 | 42       | -  | 28 | 111 | 3   | 25 | -   | -   | 2,22  |
| 91101502   | SPZ150-02   | 2       | 150 | 154 | 1    | 2012 | 50       | -  | 28 | -   | -   | 32 | 4   | 112 | 2,74  |
| 91101602   | SPZ160-02   | 2       | 160 | 164 | 1    | 2012 | 50       | -  | 28 | -   | -   | 32 | 4   | 112 | 3,23  |
| 91101802   | SPZ180-02   | 2       | 180 | 184 | 7    | 2012 | 50       | 10 | 28 | 152 | -   | 32 | 4   | 112 | 3,18  |
| 91101902   | SPZ190-02   | 2       | 190 | 194 | 7    | 2012 | 50       | 10 | 28 | 162 | -   | 32 | 4   | 112 | 3,45  |
| 91102002   | SPZ200-02   | 2       | 200 | 204 | 4    | 2012 | 50       | -  | 28 | 171 | -   | 32 | 4   | 112 | 4,2   |
| 91102242   | SPZ224-02   | 2       | 224 | 228 | 4    | 2012 | 50       | -  | 28 | 195 | -   | 32 | 4   | 112 | 3,86  |
| 91102502   | SPZ250-02   | 2       | 250 | 254 | 4    | 2012 | 50       | -  | 28 | 221 | 2   | 32 | 2   | 112 | 4,22  |
| 91102802   | SPZ280-02   | 2       | 280 | 284 | 4    | 2012 | 50       | -  | 28 | 251 | 2   | 32 | 2   | 112 | 4,85  |
| 91103152   | SPZ315-02   | 2       | 315 | 319 | 4    | 2012 | 50       | -  | 28 | 286 | 2   | 32 | 2   | 112 | 5,49  |
| 91103552   | SPZ355-02   | 2       | 355 | 359 | 4    | 2012 | 50       | -  | 28 | 326 | 2   | 32 | 2   | 112 | 6,19  |
| 91104002   | SPZ400-02   | 2       | 400 | 404 | 4    | 2517 | 65       | -  | 28 | 371 | 8,5 | 45 | 8,5 | 124 | 8,95  |
| 91104502   | SPZ450-02   | 2       | 450 | 454 | 4    | 2517 | 65       | -  | 28 | 421 | 8,5 | 45 | 8,5 | 124 | 9,9   |
| 91105002   | SPZ500-02   | 2       | 500 | 504 | 4    | 2517 | 65       | -  | 28 | 471 | 8,5 | 45 | 8,5 | 124 | 10,25 |



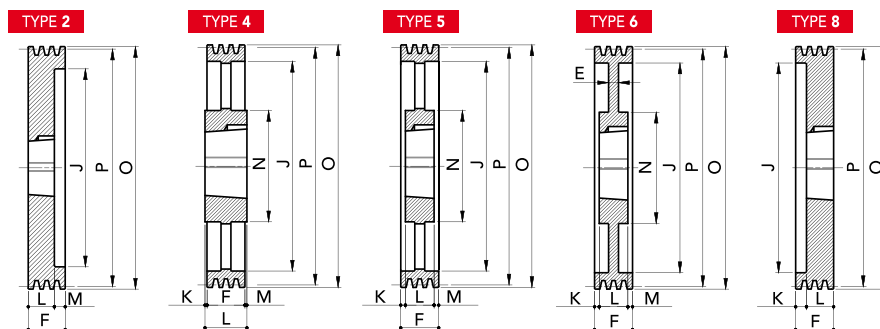


## SPZ/03 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E  | F  | J   | K   | L  | M   | N   | Kg   |
|------------|-------------|---------|-----|-----|------|------|----------|----|----|-----|-----|----|-----|-----|------|
| 91100633   | SPZ63-03    | 3       | 63  | 67  | 8    | 1108 | 28       | -  | 40 | 40  | 18  | 22 | -   | -   | 0,41 |
| 91100673   | SPZ67-03    | 3       | 67  | 71  | 8    | 1108 | 28       | -  | 40 | 42  | 18  | 22 | -   | -   | 0,5  |
| 91100713   | SPZ71-03    | 3       | 71  | 75  | 8    | 1108 | 28       | -  | 40 | 42  | 18  | 22 | -   | -   | 0,53 |
| 91100753   | SPZ75-03    | 3       | 75  | 79  | 8    | 1210 | 32       | -  | 40 | 51  | 15  | 25 | -   | -   | 0,56 |
| 91100803   | SPZ80-03    | 3       | 80  | 84  | 8    | 1210 | 32       | -  | 40 | 51  | 15  | 25 | -   | -   | 0,7  |
| 91100853   | SPZ85-03    | 3       | 85  | 89  | 8    | 1610 | 42       | -  | 40 | 60  | 15  | 25 | -   | -   | 0,65 |
| 91100903   | SPZ90-03    | 3       | 90  | 94  | 8    | 1610 | 42       | -  | 40 | 61  | 15  | 25 | -   | -   | 0,84 |
| 91100953   | SPZ95-03    | 3       | 95  | 99  | 8    | 1610 | 42       | -  | 40 | 66  | 15  | 25 | -   | -   | 0,99 |
| 91101003   | SPZ100-03   | 3       | 100 | 104 | 8    | 1610 | 42       | -  | 40 | 71  | 15  | 25 | -   | -   | 1,12 |
| 91101063   | SPZ106-03   | 3       | 106 | 110 | 8    | 1610 | 42       | -  | 40 | 76  | 15  | 25 | -   | -   | 1,35 |
| 91101123   | SPZ112-03   | 3       | 112 | 116 | 8    | 2012 | 50       | -  | 40 | 83  | 8   | 32 | -   | -   | 1,37 |
| 91101183   | SPZ118-03   | 3       | 118 | 122 | 8    | 2012 | 50       | -  | 40 | 90  | 8   | 32 | -   | -   | 1,65 |
| 91101253   | SPZ125-03   | 3       | 125 | 129 | 2    | 2012 | 50       | -  | 40 | 96  | -   | 32 | 8   | -   | 1,9  |
| 91101323   | SPZ132-03   | 3       | 132 | 136 | 2    | 2012 | 50       | -  | 40 | 103 | -   | 32 | 8   | -   | 2,27 |
| 91101403   | SPZ140-03   | 3       | 140 | 144 | 2    | 2012 | 50       | -  | 40 | 111 | -   | 32 | 8   | -   | 2,7  |
| 91101503   | SPZ150-03   | 3       | 150 | 154 | 2    | 2012 | 50       | -  | 40 | 121 | -   | 32 | 8   | -   | 3,16 |
| 91101603   | SPZ160-03   | 3       | 160 | 164 | 2    | 2012 | 50       | -  | 40 | 131 | -   | 32 | 8   | -   | 3,77 |
| 91101803   | SPZ180-03   | 3       | 180 | 184 | 6    | 2012 | 50       | 7  | 40 | 151 | -   | 32 | 8   | 106 | 3,36 |
| 91101903   | SPZ190-03   | 3       | 190 | 194 | 6    | 2012 | 50       | 10 | 40 | 161 | 4   | 32 | 4   | 112 | 3,95 |
| 91102003   | SPZ200-03   | 3       | 200 | 204 | 5    | 2012 | 50       | -  | 40 | 171 | 4   | 32 | 4   | 112 | 4,15 |
| 91102243   | SPZ224-03   | 3       | 224 | 228 | 5    | 2012 | 50       | -  | 40 | 195 | 4   | 32 | 4   | 112 | 4,68 |
| 91102503   | SPZ250-03   | 3       | 250 | 254 | 5    | 2012 | 50       | -  | 40 | 221 | 4   | 32 | 4   | 112 | 5,35 |
| 91102803   | SPZ280-03   | 3       | 280 | 284 | 4    | 2517 | 65       | -  | 40 | 251 | 2,5 | 45 | 2,5 | 124 | 6,53 |
| 91103153   | SPZ315-03   | 3       | 315 | 319 | 4    | 2517 | 65       | -  | 40 | 286 | 2,5 | 45 | 2,5 | 124 | 7,3  |
| 91103553   | SPZ355-03   | 3       | 355 | 359 | 4    | 2517 | 65       | -  | 40 | 326 | 2,5 | 45 | 2,5 | 124 | 8,86 |
| 91104003   | SPZ400-03   | 3       | 400 | 404 | 4    | 2517 | 65       | -  | 40 | 371 | 2,5 | 45 | 2,5 | 124 | 10,5 |
| 91104503   | SPZ450-03   | 3       | 450 | 454 | 4    | 2517 | 65       | -  | 40 | 421 | 2,5 | 45 | 2,5 | 124 | 11,6 |
| 91105003   | SPZ500-03   | 3       | 500 | 504 | 4    | 2517 | 65       | -  | 40 | 471 | 2,5 | 45 | 2,5 | 124 | 13,3 |



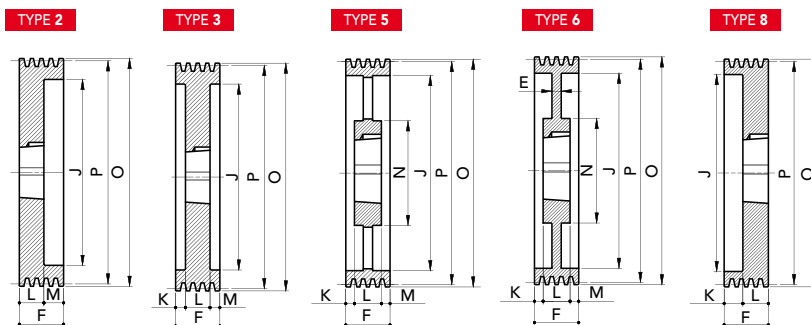
## SPZ/04 TYPE

### TAPER BUSHES

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#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E | F  | J   | K   | L  | M   | N   | Kg    |
|------------|-------------|---------|-----|-----|------|------|----------|---|----|-----|-----|----|-----|-----|-------|
| 91100804   | SPZ80-04    | 4       | 80  | 84  | 8    | 1210 | 32       | - | 52 | 51  | 27  | 25 | -   | -   | 0,87  |
| 91100854   | SPZ85-04    | 4       | 85  | 89  | 8    | 1610 | 42       | - | 52 | 60  | 27  | 25 | -   | -   | 0,84  |
| 91100904   | SPZ90-04    | 4       | 90  | 94  | 8    | 1610 | 42       | - | 52 | 61  | 27  | 25 | -   | -   | 1,08  |
| 91100954   | SPZ95-04    | 4       | 95  | 99  | 8    | 1610 | 42       | - | 52 | 66  | 27  | 25 | -   | -   | 1,21  |
| 91101004   | SPZ100-04   | 4       | 100 | 104 | 8    | 1610 | 42       | - | 52 | 71  | 27  | 25 | -   | -   | 1,38  |
| 91101064   | SPZ106-04   | 4       | 106 | 110 | 8    | 1610 | 42       | - | 52 | 76  | 27  | 25 | -   | -   | 1,6   |
| 91101124   | SPZ112-04   | 4       | 112 | 116 | 8    | 2012 | 50       | - | 52 | 83  | 20  | 32 | -   | -   | 1,65  |
| 91101184   | SPZ118-04   | 4       | 118 | 122 | 8    | 2012 | 50       | - | 52 | 90  | 20  | 32 | -   | -   | 1,97  |
| 91101254   | SPZ125-04   | 4       | 125 | 129 | 2    | 2012 | 50       | - | 52 | 96  | -   | 32 | 20  | -   | 2,24  |
| 91101324   | SPZ132-04   | 4       | 132 | 136 | 2    | 2012 | 50       | - | 52 | 103 | -   | 32 | 20  | -   | 2,6   |
| 91101404   | SPZ140-04   | 4       | 140 | 144 | 2    | 2012 | 50       | - | 52 | 111 | -   | 32 | 20  | -   | 3     |
| 91101504   | SPZ150-04   | 4       | 150 | 154 | 2    | 2517 | 65       | - | 52 | 121 | -   | 45 | 7   | -   | 3,75  |
| 91101604   | SPZ160-04   | 4       | 160 | 164 | 2    | 2517 | 65       | - | 52 | 131 | -   | 45 | 7   | -   | 4,45  |
| 91101804   | SPZ180-04   | 4       | 180 | 184 | 2    | 2517 | 65       | - | 52 | 151 | -   | 45 | 7   | -   | 6,2   |
| 91101904   | SPZ190-04   | 4       | 190 | 194 | 3    | 2517 | 65       | - | 52 | 161 | 3,5 | 45 | 3,5 | -   | 7,1   |
| 91102004   | SPZ200-04   | 4       | 200 | 204 | 6    | 2517 | 65       | 8 | 52 | 171 | 3,5 | 45 | 3,5 | 124 | 5,23  |
| 91102244   | SPZ224-04   | 4       | 224 | 228 | 5    | 2517 | 65       | - | 52 | 195 | 3,5 | 45 | 3,5 | 124 | 6,43  |
| 91102504   | SPZ250-04   | 4       | 250 | 254 | 5    | 2517 | 65       | - | 52 | 221 | 3,5 | 45 | 3,5 | 124 | 7,5   |
| 91102804   | SPZ280-04   | 4       | 280 | 284 | 5    | 2517 | 65       | - | 52 | 251 | 3,5 | 45 | 3,5 | 124 | 9,4   |
| 91103154   | SPZ315-04   | 4       | 315 | 319 | 5    | 2517 | 65       | - | 52 | 286 | 3,5 | 45 | 3,5 | 124 | 8,45  |
| 91103554   | SPZ355-04   | 4       | 355 | 359 | 5    | 2517 | 65       | - | 52 | 326 | 3,5 | 45 | 3,5 | 124 | 10,37 |
| 91104004   | SPZ400-04   | 4       | 400 | 404 | 5    | 2517 | 65       | - | 52 | 371 | 3,5 | 45 | 3,5 | 124 | 12,94 |
| 91104504   | SPZ450-04   | 4       | 450 | 454 | 5    | 3020 | 75       | - | 52 | 421 | 0,5 | 51 | 0,5 | 146 | 15,92 |
| 91105004   | SPZ500-04   | 4       | 500 | 504 | 5    | 3020 | 75       | - | 52 | 471 | 0,5 | 51 | 0,5 | 146 | 18    |





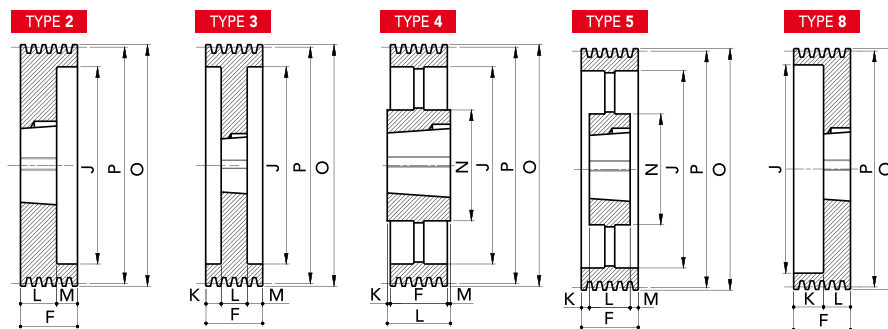
## SPZ/05 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E | F  | J   | K   | L  | M   | N   | Kg    |
|------------|-------------|---------|-----|-----|------|------|----------|---|----|-----|-----|----|-----|-----|-------|
| 91100855   | SPZ85-05    | 5       | 85  | 89  | 8    | 1610 | 42       | - | 64 | 60  | 39  | 25 | -   | -   | 1     |
| 91100905   | SPZ90-05    | 5       | 90  | 94  | 8    | 1610 | 42       | - | 64 | 61  | 39  | 25 | -   | -   | 1,29  |
| 91100955   | SPZ95-05    | 5       | 95  | 99  | 8    | 1610 | 42       | - | 64 | 66  | 39  | 25 | -   | -   | 1,45  |
| 91101005   | SPZ100-05   | 5       | 100 | 104 | 8    | 2012 | 50       | - | 64 | 71  | 32  | 32 | -   | -   | 1,4   |
| 91101065   | SPZ106-05   | 5       | 106 | 110 | 8    | 2012 | 50       | - | 64 | 76  | 32  | 32 | -   | -   | 1,72  |
| 91101125   | SPZ112-05   | 5       | 112 | 116 | 8    | 2012 | 50       | - | 64 | 83  | 32  | 32 | -   | -   | 1,9   |
| 91101185   | SPZ118-05   | 5       | 118 | 122 | 8    | 2012 | 50       | - | 64 | 90  | 32  | 32 | -   | -   | 2,2   |
| 91101255   | SPZ125-05   | 5       | 125 | 129 | 8    | 2012 | 50       | - | 64 | 96  | 32  | 32 | -   | -   | 2,63  |
| 91101325   | SPZ132-05   | 5       | 132 | 136 | 8    | 2517 | 60       | - | 64 | 103 | 19  | 45 | -   | -   | 2,75  |
| 91101405   | SPZ140-05   | 5       | 140 | 144 | 2    | 2517 | 60       | - | 64 | 111 | -   | 45 | 19  | -   | 3,34  |
| 91101505   | SPZ150-05   | 5       | 150 | 154 | 2    | 2517 | 60       | - | 64 | 121 | -   | 45 | 19  | -   | 4,15  |
| 91101605   | SPZ160-05   | 5       | 160 | 164 | 2    | 2517 | 60       | - | 64 | 131 | -   | 45 | 19  | -   | 4,93  |
| 91101805   | SPZ180-05   | 5       | 180 | 184 | 2    | 2517 | 60       | - | 64 | 151 | -   | 45 | 19  | -   | 6,72  |
| 91102005   | SPZ200-05   | 5       | 200 | 204 | 3    | 2517 | 60       | - | 64 | 171 | 9,5 | 45 | 9,5 | -   | 8,63  |
| 91102245   | SPZ224-05   | 5       | 224 | 228 | 5    | 2517 | 60       | - | 64 | 195 | 9,5 | 45 | 9,5 | 124 | 7,59  |
| 91102505   | SPZ250-05   | 5       | 250 | 254 | 5    | 2517 | 60       | - | 64 | 221 | 9,5 | 45 | 9,5 | 124 | 8,3   |
| 91102805   | SPZ280-05   | 5       | 280 | 284 | 5    | 2517 | 60       | - | 64 | 251 | 9,5 | 45 | 9,5 | 124 | 9     |
| 91103155   | SPZ315-05   | 5       | 315 | 319 | 5    | 2517 | 60       | - | 64 | 286 | 9,5 | 45 | 9,5 | 124 | 10,14 |
| 91103555   | SPZ355-05   | 5       | 355 | 359 | 5    | 2517 | 60       | - | 64 | 326 | 9,5 | 45 | 9,5 | 124 | 11,96 |
| 91104005   | SPZ400-05   | 5       | 400 | 404 | 5    | 3020 | 75       | - | 64 | 371 | 6,5 | 51 | 6,5 | 146 | 14,5  |
| 91104505   | SPZ450-05   | 5       | 450 | 454 | 5    | 3020 | 75       | - | 64 | 421 | 6,5 | 51 | 6,5 | 146 | 17,55 |
| 91105005   | SPZ500-05   | 5       | 500 | 504 | 4    | 3030 | 75       | - | 64 | 471 | 6   | 76 | 6   | 146 | 21,15 |



## SPA/01 TYPE

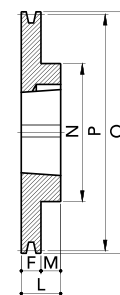
### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

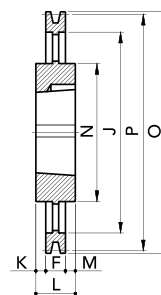
#### MATERIAL

CAST-IRON G20/25 EN 1561

TYPE 1



TYPE 4



| PROD. CODE | PROD. MODEL | GROOVES | P   | O     | TYPE | BUSH | MAX BORE | E | F  | J   | K | L  | M  | N   | Kg   |
|------------|-------------|---------|-----|-------|------|------|----------|---|----|-----|---|----|----|-----|------|
| 91200631   | SPA63-01    | 1       | 63  | 68,5  | 1    | 1008 | 25       | - | 20 | -   | - | 22 | 2  | 56  | 0,26 |
| 91200711   | SPA71-01    | 1       | 71  | 76,5  | 1    | 1108 | 28       | - | 20 | -   | - | 22 | 2  | 60  | 0,35 |
| 91200751   | SPA75-01    | 1       | 75  | 80,5  | 1    | 1108 | 28       | - | 20 | -   | - | 22 | 2  | 60  | 0,4  |
| 91200801   | SPA80-01    | 1       | 80  | 85,5  | 1    | 1210 | 32       | - | 20 | -   | - | 25 | 5  | 75  | 0,46 |
| 91200851   | SPA85-01    | 1       | 85  | 90,5  | 1    | 1210 | 32       | - | 20 | -   | - | 25 | 5  | 80  | 0,55 |
| 91200901   | SPA90-01    | 1       | 90  | 95,5  | 1    | 1210 | 42       | - | 20 | -   | - | 25 | 5  | 80  | 0,65 |
| 91200951   | SPA95-01    | 1       | 95  | 100,5 | 1    | 1210 | 32       | - | 20 | -   | - | 25 | 5  | 85  | 0,79 |
| 91201001   | SPA100-01   | 1       | 100 | 105,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 85  | 0,75 |
| 91201061   | SPA106-01   | 1       | 106 | 111,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 0,92 |
| 91201121   | SPA112-01   | 1       | 112 | 117,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 1,06 |
| 91201181   | SPA118-01   | 1       | 118 | 123,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 1,2  |
| 91201251   | SPA125-01   | 1       | 125 | 130,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 1,41 |
| 91201321   | SPA132-01   | 1       | 132 | 137,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 1,6  |
| 91201401   | SPA140-01   | 1       | 140 | 145,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 1,85 |
| 91201501   | SPA150-01   | 1       | 150 | 155,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 2,15 |
| 91201601   | SPA160-01   | 1       | 160 | 165,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 2,5  |
| 91201701   | SPA170-01   | 1       | 170 | 175,5 | 1    | 1610 | 42       | - | 20 | -   | - | 25 | 5  | 92  | 2,85 |
| 91201801   | SPA180-01   | 1       | 180 | 185,5 | 4    | 1610 | 42       | - | 20 | 145 | - | 25 | 5  | 92  | 2,21 |
| 91201901   | SPA190-01   | 1       | 190 | 195,5 | 4    | 1610 | 42       | - | 20 | 156 | - | 25 | 5  | 92  | 2,31 |
| 91202001   | SPA200-01   | 1       | 200 | 205,5 | 4    | 2012 | 50       | - | 20 | 165 | - | 32 | 12 | 108 | 3    |
| 91202121   | SPA212-01   | 1       | 212 | 217,5 | 4    | 2012 | 50       | - | 20 | 177 | - | 32 | 12 | 110 | 3,1  |
| 91202241   | SPA224-01   | 1       | 224 | 229,5 | 4    | 2012 | 50       | - | 20 | 189 | - | 32 | 12 | 112 | 3,33 |
| 91202361   | SPA236-01   | 1       | 236 | 241,5 | 4    | 2012 | 50       | - | 20 | 202 | - | 32 | 12 | 112 | 3,62 |
| 91202501   | SPA250-01   | 1       | 250 | 255,5 | 4    | 2012 | 50       | - | 20 | 215 | 6 | 32 | 6  | 112 | 3,73 |
| 91202801   | SPA280-01   | 1       | 280 | 285,5 | 4    | 2012 | 50       | - | 20 | 245 | - | 32 | 12 | 112 | 4,08 |
| 91203001   | SPA300-01   | 1       | 300 | 305,5 | 4    | 2012 | 50       | - | 20 | 265 | - | 32 | 12 | 112 | 4,62 |
| 91203151   | SPA315-01   | 1       | 315 | 320,5 | 4    | 2012 | 50       | - | 20 | 280 | - | 32 | 12 | 112 | 4,75 |
| 91203551   | SPA355-01   | 1       | 355 | 360,5 | 4    | 2012 | 50       | - | 20 | 320 | - | 32 | 12 | 112 | 5,57 |
| 91204001   | SPA400-01   | 1       | 400 | 405,5 | 4    | 2012 | 50       | - | 20 | 365 | - | 32 | 12 | 112 | 6,4  |
| 91204501   | SPA450-01   | 1       | 450 | 455,5 | 4    | 2012 | 50       | - | 20 | 415 | - | 32 | 12 | 112 | 7,45 |
| 91205001   | SPA500-01   | 1       | 500 | 505,5 | 4    | 2517 | 65       | - | 20 | 465 | - | 45 | 25 | 124 | 9,3  |
| 91206301   | SPA630-01   | 1       | 630 | 636   | 4    | 2517 | 65       | - | 20 | 595 | - | 45 | 25 | 124 | 12   |





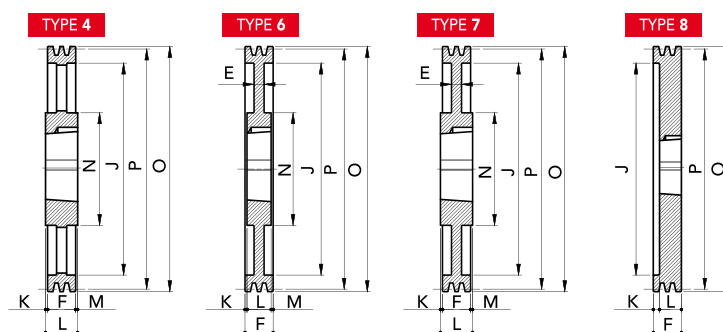
## SPA/02 TYPE

### TAPER BUSHES

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#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O     | TYPE | BUSH | MAX BORE | E  | F  | J   | K   | L  | M   | N   | Kg    |
|------------|-------------|---------|-----|-------|------|------|----------|----|----|-----|-----|----|-----|-----|-------|
| 91200712   | SPA71-02    | 2       | 71  | 76,5  | 8    | 1108 | 28       | -  | 35 | 40  | 13  | 22 | -   | -   | 0,51  |
| 91200752   | SPA75-02    | 2       | 75  | 80,5  | 8    | 1108 | 28       | -  | 35 | 44  | 13  | 22 | -   | -   | 0,59  |
| 91200802   | SPA80-02    | 2       | 80  | 85,5  | 8    | 1210 | 32       | -  | 35 | 50  | 10  | 25 | -   | -   | 0,55  |
| 91200852   | SPA85-02    | 2       | 85  | 90,5  | 8    | 1210 | 32       | -  | 35 | 55  | 10  | 25 | -   | -   | 0,7   |
| 91200902   | SPA90-02    | 2       | 90  | 95,5  | 8    | 1610 | 42       | -  | 35 | 59  | 10  | 25 | -   | -   | 0,7   |
| 91200952   | SPA95-02    | 2       | 95  | 100,5 | 8    | 1610 | 42       | -  | 35 | 63  | 10  | 25 | -   | -   | 0,83  |
| 91201002   | SPA100-02   | 2       | 100 | 105,5 | 8    | 1610 | 42       | -  | 35 | 66  | 10  | 25 | -   | -   | 1     |
| 91201062   | SPA106-02   | 2       | 106 | 111,5 | 8    | 1610 | 42       | -  | 35 | 72  | 10  | 25 | -   | -   | 1,15  |
| 91201122   | SPA112-02   | 2       | 112 | 117,5 | 8    | 1610 | 42       | -  | 35 | 78  | 10  | 25 | -   | -   | 1,39  |
| 91201182   | SPA118-02   | 2       | 118 | 123,5 | 8    | 1610 | 42       | -  | 35 | 84  | 10  | 25 | -   | -   | 1,57  |
| 91201252   | SPA125-02   | 2       | 125 | 130,5 | 8    | 1610 | 42       | -  | 35 | 91  | 10  | 25 | -   | -   | 1,85  |
| 91201322   | SPA132-02   | 2       | 132 | 137,5 | 8    | 2012 | 50       | -  | 35 | 98  | 3   | 32 | -   | -   | 2,1   |
| 91201402   | SPA140-02   | 2       | 140 | 145,5 | 8    | 2012 | 50       | -  | 35 | 106 | 3   | 32 | -   | -   | 2,25  |
| 91201502   | SPA150-02   | 2       | 150 | 155,5 | 8    | 2012 | 50       | -  | 35 | 116 | 3   | 32 | -   | -   | 3     |
| 91201602   | SPA160-02   | 2       | 160 | 165,5 | 8    | 2012 | 50       | -  | 35 | 125 | 3   | 32 | -   | -   | 3,5   |
| 91201702   | SPA170-02   | 2       | 170 | 175,5 | 8    | 2012 | 50       | -  | 35 | 135 | 3   | 32 | -   | -   | 4,1   |
| 91201802   | SPA180-02   | 2       | 180 | 185,5 | 6    | 2012 | 50       | 10 | 35 | 146 | 1,5 | 32 | 1,5 | 108 | 3,54  |
| 91201902   | SPA190-02   | 2       | 190 | 195,5 | 6    | 2012 | 50       | 10 | 35 | 156 | 1,5 | 32 | 1,5 | 108 | 3,84  |
| 91202002   | SPA200-02   | 2       | 200 | 205,5 | 7    | 2517 | 65       | 10 | 35 | 165 | 5   | 45 | 5   | 123 | 4,7   |
| 91202122   | SPA212-02   | 2       | 212 | 217,5 | 4    | 2517 | 65       | -  | 35 | 177 | 5   | 45 | 5   | 123 | 4,93  |
| 91202242   | SPA224-02   | 2       | 224 | 229,5 | 4    | 2517 | 65       | -  | 35 | 189 | -   | 45 | 10  | 124 | 5,17  |
| 91202362   | SPA236-02   | 2       | 236 | 241,5 | 4    | 2517 | 65       | -  | 35 | 202 | -   | 45 | 10  | 124 | 5,2   |
| 91202502   | SPA250-02   | 2       | 250 | 255,5 | 4    | 2517 | 65       | -  | 35 | 215 | 5   | 45 | 5   | 124 | 5,82  |
| 91202802   | SPA280-02   | 2       | 280 | 285,5 | 4    | 2517 | 65       | -  | 35 | 245 | -   | 45 | 10  | 124 | 6,45  |
| 91203002   | SPA300-02   | 2       | 300 | 305,5 | 4    | 2517 | 65       | -  | 35 | 265 | -   | 45 | 10  | 124 | 6,95  |
| 91203152   | SPA315-02   | 2       | 315 | 320,5 | 4    | 2517 | 65       | -  | 35 | 280 | -   | 45 | 10  | 124 | 7,34  |
| 91203552   | SPA355-02   | 2       | 355 | 360,5 | 4    | 2517 | 65       | -  | 35 | 320 | -   | 45 | 10  | 124 | 9,36  |
| 91204002   | SPA400-02   | 2       | 400 | 405,5 | 4    | 2517 | 65       | -  | 35 | 365 | -   | 45 | 10  | 124 | 10,2  |
| 91204502   | SPA450-02   | 2       | 450 | 455,5 | 4    | 2517 | 65       | -  | 35 | 415 | -   | 45 | 10  | 124 | 11,64 |
| 91205002   | SPA500-02   | 2       | 500 | 505,5 | 4    | 2517 | 65       | -  | 35 | 465 | -   | 45 | 10  | 125 | 13,25 |
| 91206302   | SPA630-02   | 2       | 630 | 635,5 | 4    | 3020 | 75       | -  | 35 | 595 | 8   | 51 | 8   | 159 | 19,1  |



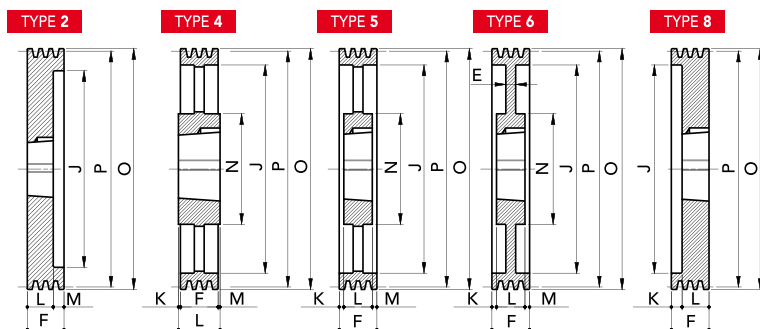
## SPA/03 TYPE

## TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

## MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | 3 | 71  | 76,5  | 8 | 1108 | 28 | -  | 50 | 40  | 28   | 22 | -    | -   | 0,7   |
|------------|-------------|---|-----|-------|---|------|----|----|----|-----|------|----|------|-----|-------|
| 91200713   | SPA71-03    | 3 | 71  | 76,5  | 8 | 1108 | 28 | -  | 50 | 40  | 28   | 22 | -    | -   | 0,7   |
| 91200753   | SPA75-03    | 3 | 75  | 80,5  | 8 | 1108 | 28 | -  | 50 | 44  | 28   | 22 | -    | -   | 0,8   |
| 91200803   | SPA80-03    | 3 | 80  | 85,5  | 8 | 1210 | 32 | -  | 50 | 50  | 25   | 25 | -    | -   | 0,8   |
| 91200853   | SPA85-03    | 3 | 85  | 90,5  | 8 | 1210 | 32 | -  | 50 | 55  | 25   | 25 | -    | -   | 0,94  |
| 91200903   | SPA90-03    | 3 | 90  | 95,5  | 8 | 1610 | 42 | -  | 50 | 59  | 25   | 25 | -    | -   | 0,95  |
| 91200953   | SPA95-03    | 3 | 95  | 100,5 | 8 | 1610 | 42 | -  | 50 | 63  | 25   | 25 | -    | -   | 1,12  |
| 91201003   | SPA100-03   | 3 | 100 | 105,5 | 2 | 1610 | 42 | -  | 50 | 66  | -    | 25 | 25   | -   | 1,3   |
| 91201063   | SPA106-03   | 3 | 106 | 111,5 | 2 | 1610 | 42 | -  | 50 | 72  | -    | 25 | 25   | -   | 1,52  |
| 91201123   | SPA112-03   | 3 | 112 | 117,5 | 8 | 2012 | 50 | -  | 50 | 78  | 18   | 32 | -    | -   | 1,57  |
| 91201183   | SPA118-03   | 3 | 118 | 123,5 | 2 | 2012 | 50 | -  | 50 | 84  | -    | 32 | 18   | -   | 1,85  |
| 91201253   | SPA125-03   | 3 | 125 | 130,5 | 2 | 2012 | 50 | -  | 50 | 91  | -    | 32 | 18   | -   | 2,2   |
| 91201323   | SPA132-03   | 3 | 132 | 137,5 | 2 | 2012 | 50 | -  | 50 | 98  | -    | 32 | 18   | -   | 2,53  |
| 91201403   | SPA140-03   | 3 | 140 | 145,5 | 8 | 2517 | 65 | -  | 50 | 106 | 5    | 45 | -    | -   | 2,87  |
| 91201503   | SPA150-03   | 3 | 150 | 155,5 | 8 | 2517 | 60 | -  | 50 | 116 | 5    | 45 | -    | -   | 3,55  |
| 91201603   | SPA160-03   | 3 | 160 | 165,5 | 8 | 2517 | 65 | -  | 50 | 125 | 5    | 45 | -    | -   | 4,33  |
| 91201703   | SPA170-03   | 3 | 170 | 175,5 | 8 | 2517 | 65 | -  | 50 | 135 | 5    | 45 | -    | -   | 5,1   |
| 91201803   | SPA180-03   | 3 | 180 | 185,5 | 8 | 2517 | 65 | -  | 50 | 146 | 5    | 45 | -    | -   | 6     |
| 91201903   | SPA190-03   | 3 | 190 | 195,5 | 8 | 2517 | 65 | -  | 50 | 156 | 5    | 45 | -    | -   | 6,92  |
| 91202003   | SPA200-03   | 3 | 200 | 205,5 | 6 | 2517 | 65 | 20 | 50 | 165 | 2,5  | 45 | 2,5  | 123 | 6,15  |
| 91202123   | SPA212-03   | 3 | 212 | 217,5 | 5 | 2517 | 65 | -  | 50 | 177 | 2,5  | 45 | 2,5  | 123 | 6,03  |
| 91202243   | SPA224-03   | 3 | 224 | 229,5 | 5 | 2517 | 65 | -  | 50 | 189 | 2,5  | 45 | 2,5  | 124 | 6,4   |
| 91202363   | SPA236-03   | 3 | 236 | 241,5 | 5 | 2517 | 65 | -  | 50 | 202 | 2,5  | 45 | 2,5  | 124 | 6,8   |
| 91202503   | SPA250-03   | 3 | 250 | 255,5 | 5 | 2517 | 65 | -  | 50 | 215 | 2,5  | 45 | 2,5  | 124 | 7,25  |
| 91202803   | SPA280-03   | 3 | 280 | 285,5 | 5 | 2517 | 65 | -  | 50 | 245 | 2,5  | 45 | 2,5  | 124 | 8,15  |
| 91203003   | SPA300-03   | 3 | 300 | 305,5 | 4 | 3020 | 75 | -  | 50 | 265 | 0,5  | 51 | 0,5  | 150 | 10,04 |
| 91203153   | SPA315-03   | 3 | 315 | 320,5 | 4 | 3020 | 75 | -  | 50 | 280 | 0,5  | 51 | 0,5  | 159 | 11,32 |
| 91203353   | SPA335-03   | 3 | 335 | 340,5 | 4 | 3020 | 75 | -  | 50 | 300 | 0,5  | 51 | 0,5  | 159 | 12,04 |
| 91203553   | SPA355-03   | 3 | 355 | 360,5 | 4 | 3020 | 75 | -  | 50 | 320 | 0,5  | 51 | 0,5  | 159 | 12,75 |
| 91204003   | SPA400-03   | 3 | 400 | 405,5 | 4 | 3020 | 75 | -  | 50 | 365 | -    | 51 | 1    | 159 | 14,46 |
| 91204503   | SPA450-03   | 3 | 450 | 455,5 | 4 | 3020 | 75 | -  | 50 | 415 | -    | 51 | 1    | 159 | 16,7  |
| 91205003   | SPA500-03   | 3 | 500 | 505,5 | 4 | 3020 | 75 | -  | 50 | 465 | -    | 51 | 1    | 159 | 19,17 |
| 91205603   | SPA560-03   | 3 | 560 | 565,5 | 4 | 3020 | 75 | -  | 50 | 525 | -    | 51 | 1    | 159 | 21,45 |
| 91206303   | SPA630-03   | 3 | 630 | 635,5 | 4 | 3020 | 75 | -  | 50 | 595 | -    | 51 | 1    | 159 | 25,2  |
| 91208003   | SPA800-03   | 3 | 800 | 805,5 | 4 | 3535 | 90 | -  | 50 | 765 | 19,5 | 89 | 19,5 | 175 | 40    |







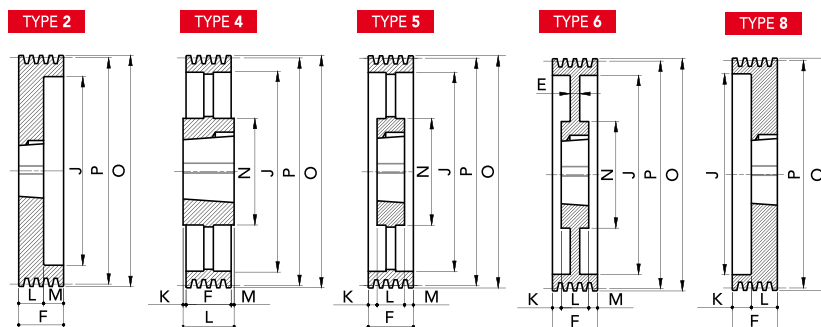
## SPA/04 TYPE

### TAPER BUSHES

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#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O     | TYPE | BUSH | MAX BORE | E  | F  | J   | K  | L  | M  | N   | Kg    |
|------------|-------------|---------|-----|-------|------|------|----------|----|----|-----|----|----|----|-----|-------|
| 91200904   | SPA90-04    | 4       | 90  | 96    | 8    | 1615 | 42       | -  | 65 | 59  | 27 | 38 | -  | -   | 1,25  |
| 91200954   | SPA95-04    | 4       | 95  | 100,5 | 8    | 1615 | 42       | -  | 65 | 63  | 27 | 38 | -  | -   | 1,5   |
| 91201004   | SPA100-04   | 4       | 100 | 105,5 | 2    | 1615 | 42       | -  | 65 | 66  | -  | 38 | 27 | -   | 1,75  |
| 91201064   | SPA106-04   | 4       | 106 | 111,5 | 8    | 2012 | 50       | -  | 65 | 72  | 33 | 32 | -  | -   | 1,66  |
| 91201124   | SPA112-04   | 4       | 112 | 117,5 | 8    | 2012 | 50       | -  | 65 | 78  | 33 | 32 | -  | -   | 1,9   |
| 91201184   | SPA118-04   | 4       | 118 | 123,5 | 2    | 2012 | 50       | -  | 65 | 84  | -  | 32 | 33 | -   | 2,22  |
| 91201254   | SPA125-04   | 4       | 125 | 130,5 | 2    | 2012 | 50       | -  | 65 | 91  | -  | 32 | 33 | -   | 2,63  |
| 91201324   | SPA132-04   | 4       | 132 | 137,5 | 2    | 2517 | 65       | -  | 65 | 98  | -  | 45 | 20 | -   | 2,79  |
| 91201404   | SPA140-04   | 4       | 140 | 145,5 | 2    | 2517 | 65       | -  | 65 | 106 | -  | 45 | 20 | -   | 3,35  |
| 91201504   | SPA150-04   | 4       | 150 | 155,5 | 2    | 2517 | 65       | -  | 65 | 116 | -  | 45 | 20 | -   | 4,05  |
| 91201604   | SPA160-04   | 4       | 160 | 165,5 | 2    | 2517 | 65       | -  | 65 | 125 | -  | 45 | 20 | -   | 4,9   |
| 91201704   | SPA170-04   | 4       | 170 | 175,5 | 2    | 2517 | 65       | -  | 65 | 135 | -  | 45 | 20 | -   | 5,75  |
| 91201804   | SPA180-04   | 4       | 180 | 185,5 | 2    | 2517 | 65       | -  | 65 | 146 | -  | 45 | 20 | -   | 6,65  |
| 91201904   | SPA190-04   | 4       | 190 | 195,5 | 2    | 2517 | 65       | -  | 65 | 156 | -  | 45 | 20 | -   | 7,55  |
| 91202004   | SPA200-04   | 4       | 200 | 205,5 | 2    | 3020 | 75       | -  | 65 | 165 | -  | 51 | 14 | -   | 8,1   |
| 91202124   | SPA212-04   | 4       | 212 | 217,5 | 2    | 3020 | 75       | -  | 65 | 177 | -  | 51 | 14 | -   | 9,55  |
| 91202244   | SPA224-04   | 4       | 224 | 229,5 | 2    | 3020 | 75       | -  | 65 | 189 | -  | 51 | 14 | -   | 11,06 |
| 91202364   | SPA236-04   | 4       | 236 | 241,5 | 6    | 3020 | 75       | 20 | 56 | 202 | -  | 51 | 14 | 159 | 9,85  |
| 91202504   | SPA250-04   | 4       | 250 | 255,5 | 5    | 3020 | 75       | -  | 65 | 215 | 7  | 51 | 7  | 159 | 9,95  |
| 91202804   | SPA280-04   | 4       | 280 | 285,5 | 5    | 3020 | 75       | -  | 65 | 245 | 7  | 51 | 7  | 159 | 11,4  |
| 91203004   | SPA300-04   | 4       | 300 | 305,5 | 5    | 3020 | 75       | -  | 65 | 265 | 7  | 51 | 7  | 159 | 12,25 |
| 91203154   | SPA315-04   | 4       | 315 | 320,5 | 5    | 3020 | 75       | -  | 65 | 280 | 7  | 51 | 7  | 159 | 12,95 |
| 91203354   | SPA335-04   | 4       | 335 | 340,5 | 5    | 3020 | 75       | -  | 65 | 300 | 7  | 51 | 7  | 159 | 13,5  |
| 91203554   | SPA355-04   | 4       | 355 | 360,5 | 5    | 3020 | 75       | -  | 65 | 320 | 7  | 51 | 7  | 159 | 14,48 |
| 91204004   | SPA400-04   | 4       | 400 | 405,5 | 5    | 3020 | 75       | -  | 65 | 365 | 7  | 51 | 7  | 159 | 16,42 |
| 91204504   | SPA450-04   | 4       | 450 | 455,5 | 5    | 3020 | 75       | -  | 65 | 415 | 7  | 51 | 7  | 159 | 19,45 |
| 91205004   | SPA500-04   | 4       | 500 | 505,5 | 5    | 3020 | 75       | -  | 65 | 465 | 7  | 51 | 7  | 159 | 21,9  |
| 91205604   | SPA560-04   | 4       | 560 | 565,5 | 4    | 3535 | 90       | -  | 65 | 525 | 12 | 89 | 12 | 175 | 28,5  |
| 91206304   | SPA630-04   | 4       | 630 | 635,5 | 4    | 3535 | 90       | -  | 65 | 595 | 12 | 89 | 12 | 175 | 32,55 |
| 91208004   | SPA800-04   | 4       | 800 | 805,5 | 4    | 3535 | 90       | -  | 65 | 765 | 12 | 89 | 12 | 175 | 45,05 |



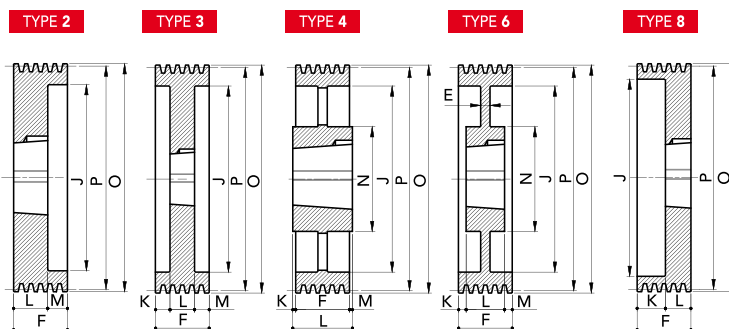
## SPA/05 TYPE

## TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

## MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O     | TYPE | BUSH | MAX BORE | E  | F  | J   | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|-----|-------|------|------|----------|----|----|-----|------|-----|------|-----|-------|
| 91201005   | SPA100-05   | 5       | 100 | 105,5 | 2    | 1615 | 42       | -  | 80 | 66  | -    | 38  | 42   | -   | 2,06  |
| 91201065   | SPA106-05   | 5       | 106 | 111,5 | 8    | 2012 | 50       | -  | 80 | 72  | 48   | 32  | -    | -   | 2,01  |
| 91201125   | SPA112-05   | 5       | 112 | 117,5 | 8    | 2012 | 50       | -  | 80 | 78  | 48   | 32  | -    | -   | 2,31  |
| 91201185   | SPA118-05   | 5       | 118 | 123,5 | 2    | 2012 | 50       | -  | 80 | 84  | -    | 32  | 48   | -   | 2,6   |
| 91201255   | SPA125-05   | 5       | 125 | 130,5 | 3    | 2012 | 50       | -  | 80 | 91  | 24   | 32  | 24   | -   | 3,1   |
| 91201325   | SPA132-05   | 5       | 132 | 137,5 | 3    | 2517 | 65       | -  | 80 | 98  | 17,5 | 45  | 17,5 | -   | 3,24  |
| 91201405   | SPA140-05   | 5       | 140 | 145,5 | 3    | 2517 | 65       | -  | 80 | 106 | 17,5 | 45  | 17,5 | -   | 3,85  |
| 91201505   | SPA150-05   | 5       | 150 | 155,5 | 3    | 2517 | 65       | -  | 80 | 116 | 17,5 | 45  | 17,5 | -   | 4,62  |
| 91201605   | SPA160-05   | 5       | 160 | 165,5 | 3    | 2517 | 65       | -  | 80 | 125 | 17,5 | 45  | 17,5 | -   | 5,55  |
| 91201705   | SPA170-05   | 5       | 170 | 175,5 | 3    | 2517 | 65       | -  | 80 | 135 | 17,5 | 45  | 17,5 | -   | 6,45  |
| 91201805   | SPA180-05   | 5       | 180 | 185,5 | 3    | 3020 | 75       | -  | 80 | 146 | 14,5 | 51  | 14,5 | -   | 6,6   |
| 91201905   | SPA190-05   | 5       | 190 | 195,5 | 2    | 3020 | 75       | -  | 80 | 156 | -    | 51  | 29   | -   | 7,7   |
| 91202005   | SPA200-05   | 5       | 200 | 205,5 | 3    | 3020 | 75       | -  | 80 | 165 | 14,5 | 51  | 14,5 | -   | 8,94  |
| 91202125   | SPA212-05   | 5       | 212 | 217,5 | 2    | 3020 | 75       | -  | 80 | 177 | -    | 51  | 29   | -   | 10,35 |
| 91202245   | SPA224-05   | 5       | 224 | 229,5 | 2    | 3020 | 75       | -  | 80 | 189 | -    | 51  | 29   | -   | 11,95 |
| 91202365   | SPA236-05   | 5       | 236 | 241,5 | 2    | 3020 | 75       | -  | 80 | 202 | -    | 51  | 29   | -   | 13,6  |
| 91202505   | SPA250-05   | 5       | 250 | 255,5 | 6    | 3020 | 75       | 20 | 80 | 215 | 14,5 | 51  | 14,5 | 159 | 12,06 |
| 91202805   | SPA280-05   | 5       | 280 | 285,5 | 4    | 3535 | 90       | -  | 80 | 245 | 4,5  | 89  | 4,5  | 175 | 16,25 |
| 91203005   | SPA300-05   | 5       | 300 | 305,5 | 4    | 3535 | 90       | -  | 80 | 265 | 4,5  | 89  | 4,5  | 175 | 17,12 |
| 91203155   | SPA315-05   | 5       | 315 | 320,5 | 4    | 3535 | 90       | -  | 80 | 280 | 4,5  | 89  | 4,5  | 175 | 17,86 |
| 91203355   | SPA335-05   | 5       | 335 | 340,5 | 4    | 3535 | 90       | -  | 80 | 300 | 4,5  | 89  | 4,5  | 175 | 19,31 |
| 91203555   | SPA355-05   | 5       | 355 | 360,5 | 4    | 3535 | 90       | -  | 80 | 320 | 4,5  | 89  | 4,5  | 175 | 20,75 |
| 91204005   | SPA400-05   | 5       | 400 | 405,5 | 4    | 3535 | 90       | -  | 80 | 365 | 4,5  | 89  | 4,5  | 175 | 22,83 |
| 91204505   | SPA450-05   | 5       | 450 | 455,5 | 4    | 3535 | 90       | -  | 80 | 415 | 4,5  | 89  | 4,5  | 175 | 25,28 |
| 91205005   | SPA500-05   | 5       | 500 | 505,5 | 4    | 3535 | 90       | -  | 80 | 465 | 4,5  | 89  | 4,5  | 175 | 29,5  |
| 91205605   | SPA560-05   | 5       | 560 | 565,5 | 4    | 3535 | 90       | -  | 80 | 525 | 4,5  | 89  | 4,5  | 175 | 33,5  |
| 91206305   | SPA630-05   | 5       | 630 | 635,5 | 4    | 3535 | 90       | -  | 80 | 595 | 4,5  | 89  | 4,5  | 175 | 37,04 |
| 91208005   | SPA800-05   | 5       | 800 | 805,5 | 4    | 4040 | 110      | -  | 80 | 765 | 11   | 102 | 11   | 210 | 50    |



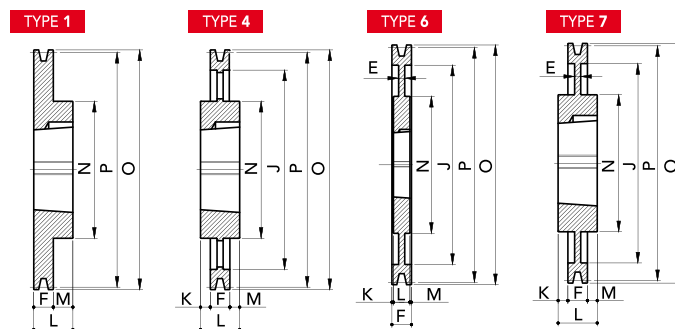
## SPB/01 TYPE

### TAPER BUSHES

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#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E  | F  | J   | K   | L  | M   | N   | Kg   |
|------------|-------------|---------|-----|-----|------|------|----------|----|----|-----|-----|----|-----|-----|------|
| 91301001   | SPB100-01   | 1       | 100 | 107 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 0,76 |
| 91301061   | SPB106-01   | 1       | 106 | 113 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 0,9  |
| 91301121   | SPB112-01   | 1       | 112 | 119 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 1,1  |
| 91301181   | SPB118-01   | 1       | 118 | 125 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 1,25 |
| 91301251   | SPB125-01   | 1       | 125 | 132 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 1,5  |
| 91301321   | SPB132-01   | 1       | 132 | 139 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 1,7  |
| 91301401   | SPB140-01   | 1       | 140 | 147 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 2    |
| 91301501   | SPB150-01   | 1       | 150 | 157 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 2,4  |
| 91301601   | SPB160-01   | 1       | 160 | 167 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 2,8  |
| 91301701   | SPB170-01   | 1       | 170 | 177 | 1    | 1610 | 42       | -  | 25 | -   | -   | 25 | -   | -   | 3,2  |
| 91301801   | SPB180-01   | 1       | 180 | 187 | 6    | 1610 | 42       | 12 | 25 | 132 | -   | 25 | -   | 90  | 3,03 |
| 91301901   | SPB190-01   | 1       | 190 | 197 | 7    | 2012 | 50       | 12 | 25 | 147 | 3,5 | 32 | 3,5 | 104 | 3,45 |
| 91302001   | SPB200-01   | 1       | 200 | 207 | 4    | 2012 | 50       | -  | 25 | 157 | 3,5 | 32 | 3,5 | 104 | 3,52 |
| 91302121   | SPB212-01   | 1       | 212 | 219 | 4    | 2012 | 50       | -  | 25 | 169 | 3,5 | 32 | 3,5 | 104 | 3,75 |
| 91302241   | SPB224-01   | 1       | 224 | 231 | 4    | 2012 | 50       | -  | 25 | 181 | 3,5 | 32 | 3,5 | 104 | 4    |
| 91302361   | SPB236-01   | 1       | 236 | 243 | 4    | 2012 | 50       | -  | 25 | 193 | 3,5 | 32 | 3,5 | 104 | 4,1  |
| 91302501   | SPB250-01   | 1       | 250 | 257 | 4    | 2012 | 50       | -  | 25 | 207 | 3,5 | 32 | 3,5 | 104 | 4,45 |
| 91302801   | SPB280-01   | 1       | 280 | 287 | 4    | 2012 | 50       | -  | 25 | 237 | 3,5 | 32 | 3,5 | 104 | 5,17 |
| 91303001   | SPB300-01   | 1       | 300 | 307 | 4    | 2012 | 50       | -  | 25 | 258 | 3,5 | 32 | 3,5 | 104 | 5,45 |
| 91303151   | SPB315-01   | 1       | 315 | 322 | 4    | 2012 | 50       | -  | 25 | 272 | 3,5 | 32 | 3,5 | 104 | 6,05 |



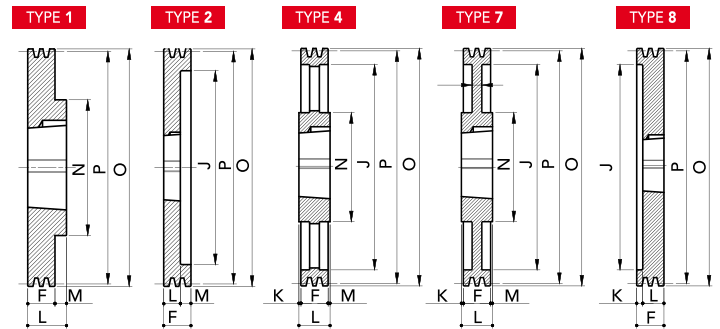
## SPB/02 TYPE

### TAPER BUSHES

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#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P   | O   | TYPE | BUSH | MAX BORE | E  | F  | J   | K   | L  | M   | N   | Kg    |
|------------|-------------|---------|-----|-----|------|------|----------|----|----|-----|-----|----|-----|-----|-------|
| 91301002   | SPB100-02   | 2       | 100 | 107 | 8    | 1610 | 42       | -  | 44 | 62  | 19  | 25 | -   | -   | 1,16  |
| 91301062   | SPB106-02   | 2       | 106 | 113 | 8    | 1610 | 42       | -  | 44 | 67  | 19  | 25 | -   | -   | 1,35  |
| 91301122   | SPB112-02   | 2       | 112 | 119 | 8    | 1610 | 42       | -  | 44 | 72  | 19  | 25 | -   | -   | 1,6   |
| 91301182   | SPB118-02   | 2       | 118 | 125 | 2    | 1610 | 42       | -  | 44 | 78  | -   | 25 | 19  | -   | 1,83  |
| 91301252   | SPB125-02   | 2       | 125 | 132 | 2    | 2012 | 50       | -  | 44 | 82  | -   | 32 | 12  | -   | 2,2   |
| 91301322   | SPB132-02   | 2       | 132 | 139 | 2    | 2012 | 50       | -  | 44 | 89  | -   | 32 | 12  | -   | 2,33  |
| 91301402   | SPB140-02   | 2       | 140 | 147 | 2    | 2012 | 50       | -  | 44 | 97  | -   | 32 | 12  | -   | 2,71  |
| 91301502   | SPB150-02   | 2       | 150 | 157 | 2    | 2012 | 50       | -  | 44 | 107 | -   | 32 | 12  | -   | 3,25  |
| 91301602   | SPB160-02   | 2       | 160 | 167 | 2    | 2012 | 50       | -  | 44 | 117 | -   | 32 | 12  | -   | 3,8   |
| 91301702   | SPB170-02   | 2       | 170 | 177 | 2    | 2012 | 50       | -  | 44 | 127 | -   | 32 | 12  | -   | 4,4   |
| 91301802   | SPB180-02   | 2       | 180 | 187 | 1    | 2517 | 65       | -  | 44 | -   | -   | 45 | 1   | 120 | 5,45  |
| 91301902   | SPB190-02   | 2       | 190 | 197 | 1    | 2517 | 65       | -  | 44 | -   | -   | 45 | 1   | 120 | 6,3   |
| 91302002   | SPB200-02   | 2       | 200 | 207 | 1    | 2517 | 65       | -  | 44 | -   | -   | 45 | 1   | 117 | 7,3   |
| 91302122   | SPB212-02   | 2       | 212 | 219 | 7    | 2517 | 65       | 15 | 44 | 169 | -   | 45 | 1   | 117 | 6,05  |
| 91302242   | SPB224-02   | 2       | 224 | 231 | 4    | 2517 | 65       | -  | 44 | 181 | -   | 45 | 1   | 117 | 5,84  |
| 91302362   | SPB236-02   | 2       | 236 | 243 | 4    | 2517 | 65       | -  | 44 | 193 | -   | 45 | 1   | 117 | 6,28  |
| 91302502   | SPB250-02   | 2       | 250 | 257 | 4    | 2517 | 65       | -  | 44 | 207 | -   | 45 | 1   | 125 | 7     |
| 91302802   | SPB280-02   | 2       | 280 | 287 | 4    | 2517 | 65       | -  | 44 | 237 | -   | 45 | 1   | 125 | 8,06  |
| 91303002   | SPB300-02   | 2       | 300 | 307 | 4    | 2517 | 65       | -  | 44 | 257 | -   | 45 | 1   | 125 | 8,67  |
| 91303152   | SPB315-02   | 2       | 315 | 322 | 4    | 2517 | 65       | -  | 44 | 272 | -   | 45 | 1   | 125 | 9,15  |
| 91303352   | SPB335-02   | 2       | 335 | 342 | 4    | 2517 | 65       | -  | 44 | 292 | -   | 45 | 1   | 125 | 9,82  |
| 91303552   | SPB355-02   | 2       | 355 | 362 | 4    | 3020 | 75       | -  | 44 | 312 | 3,5 | 51 | 3,5 | 144 | 10,98 |
| 91304002   | SPB400-02   | 2       | 400 | 407 | 4    | 3020 | 75       | -  | 44 | 357 | 3,5 | 51 | 3,5 | 150 | 13,6  |
| 91304502   | SPB450-02   | 2       | 450 | 457 | 4    | 3020 | 75       | -  | 44 | 407 | 3,5 | 51 | 3,5 | 150 | 15,2  |
| 91305002   | SPB500-02   | 2       | 500 | 507 | 4    | 3020 | 75       | -  | 44 | 457 | 3,5 | 51 | 3,5 | 150 | 17,14 |
| 91305602   | SPB560-02   | 2       | 560 | 567 | 4    | 3030 | 75       | -  | 44 | 517 | 4   | 76 | 28  | 150 | 21,55 |



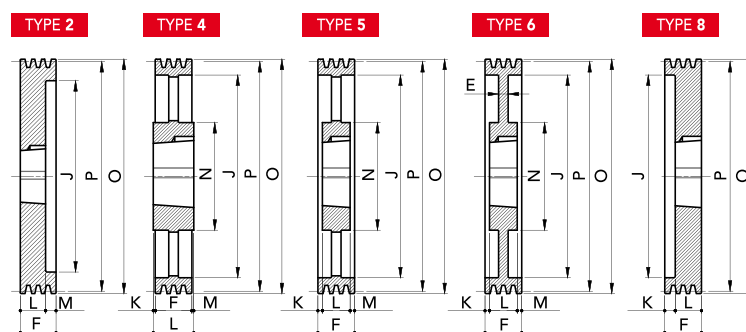
## SPB/03 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E  | F  | J    | K    | L   | M    | N   | Kg     |
|------------|-------------|---------|------|------|------|------|----------|----|----|------|------|-----|------|-----|--------|
| 91301063   | SPB106-03   | 3       | 106  | 113  | 8    | 1610 | 42       | -  | 63 | 67   | 38   | 25  | -    | -   | 1,80   |
| 91301123   | SPB112-03   | 3       | 112  | 119  | 8    | 1610 | 42       | -  | 63 | 72   | 38   | 25  | -    | -   | 2,08   |
| 91301183   | SPB118-03   | 3       | 118  | 125  | 2    | 1610 | 42       | -  | 63 | 78   | -    | 25  | 38   | -   | 2,35   |
| 91301253   | SPB125-03   | 3       | 125  | 132  | 2    | 2012 | 50       | -  | 63 | 82   | -    | 32  | 31   | -   | 2,60   |
| 91301323   | SPB132-03   | 3       | 132  | 139  | 2    | 2012 | 50       | -  | 63 | 89   | -    | 32  | 31   | -   | 3,00   |
| 91301403   | SPB140-03   | 3       | 140  | 147  | 2    | 2012 | 50       | -  | 63 | 97   | -    | 32  | 31   | -   | 3,45   |
| 91301503   | SPB150-03   | 3       | 150  | 157  | 2    | 2517 | 65       | -  | 63 | 107  | -    | 45  | 18   | -   | 3,9    |
| 91301603   | SPB160-03   | 3       | 160  | 167  | 2    | 2517 | 65       | -  | 63 | 117  | -    | 45  | 18   | -   | 4,72   |
| 91301703   | SPB170-03   | 3       | 170  | 177  | 2    | 2517 | 65       | -  | 63 | 127  | -    | 45  | 18   | -   | 5,55   |
| 91301803   | SPB180-03   | 3       | 180  | 187  | 2    | 2517 | 65       | -  | 63 | 137  | -    | 45  | 18   | -   | 6,42   |
| 91301903   | SPB190-03   | 3       | 190  | 197  | 2    | 2517 | 65       | -  | 63 | 147  | -    | 45  | 18   | -   | 7,37   |
| 91302003   | SPB200-03   | 3       | 200  | 207  | 2    | 2517 | 65       | -  | 63 | 157  | -    | 45  | 18   | -   | 8,55   |
| 91302123   | SPB212-03   | 3       | 212  | 219  | 6    | 2517 | 65       | 15 | 63 | 169  | -    | 45  | 18   | 117 | 7,37   |
| 91302243   | SPB224-03   | 3       | 224  | 231  | 5    | 2517 | 65       | -  | 63 | 181  | -    | 45  | 18   | 117 | 7,47   |
| 91302363   | SPB236-03   | 3       | 236  | 243  | 5    | 2517 | 65       | -  | 63 | 193  | -    | 45  | 18   | 117 | 7,95   |
| 91302503   | SPB250-03   | 3       | 250  | 257  | 5    | 3020 | 75       | -  | 63 | 207  | -    | 51  | 12   | 144 | 9,53   |
| 91302803   | SPB280-03   | 3       | 280  | 287  | 5    | 3020 | 75       | -  | 63 | 237  | 6    | 51  | 6    | 144 | 10,86  |
| 91303003   | SPB300-03   | 3       | 300  | 307  | 5    | 3020 | 75       | -  | 63 | 257  | 6    | 51  | 6    | 144 | 11,45  |
| 91303153   | SPB315-03   | 3       | 315  | 322  | 5    | 3020 | 75       | -  | 63 | 272  | 6    | 51  | 6    | 144 | 12,25  |
| 91303353   | SPB335-03   | 3       | 335  | 342  | 5    | 3020 | 75       | -  | 63 | 292  | 6    | 51  | 6    | 144 | 12,75  |
| 91303553   | SPB355-03   | 3       | 355  | 362  | 5    | 3020 | 75       | -  | 63 | 312  | 6    | 51  | 6    | 144 | 14,85  |
| 91304003   | SPB400-03   | 3       | 400  | 407  | 4    | 3535 | 90       | -  | 63 | 357  | 13   | 89  | 13   | 175 | 20,95  |
| 91304253   | SPA425-03   | 3       | 425  | 432  | 4    | 3535 | 90       | -  | 63 | 382  | -    | 89  | 26   | 175 | 23,07  |
| 91304503   | SPB450-03   | 3       | 450  | 457  | 4    | 3535 | 90       | -  | 63 | 407  | -    | 89  | 26   | 175 | 24,50  |
| 91305003   | SPB500-03   | 3       | 500  | 507  | 4    | 3535 | 90       | -  | 63 | 457  | -    | 89  | 26   | 175 | 27,50  |
| 91305603   | SPB560-03   | 3       | 560  | 567  | 4    | 3535 | 90       | -  | 63 | 517  | -    | 89  | 26   | 175 | 29,32  |
| 91306303   | SPB630-03   | 3       | 630  | 637  | 4    | 3535 | 90       | -  | 63 | 587  | -    | 89  | 26   | 175 | 35,10  |
| 91307103   | SPB710-03   | 3       | 710  | 717  | 4    | 3535 | 90       | -  | 63 | 664  | 13   | 89  | 13   | 175 | 42,30  |
| 91308003   | SPB800-03   | 3       | 800  | 807  | 4    | 3535 | 90       | -  | 63 | 754  | 13   | 89  | 13   | 175 | 48,75  |
| 91309003   | SPB900-03   | 3       | 900  | 907  | 4    | 3535 | 90       | -  | 63 | 854  | 13   | 89  | 13   | 175 | 55,50  |
| 91310003   | SPB1000-03  | 3       | 1000 | 1007 | 4    | 4040 | 110      | -  | 63 | 954  | 19,5 | 102 | 19,5 | 210 | 76,40  |
| 91312503   | SPB1250-03  | 3       | 1250 | 1257 | 4    | 4040 | 110      | -  | 63 | 1204 | 19,5 | 102 | 19,5 | 210 | 102,00 |



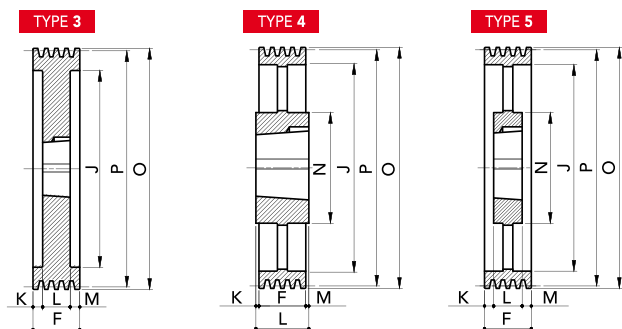
## SPB/04 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E | F  | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|------|------|------|----------|---|----|------|------|-----|------|-----|-------|
| 91301254   | SPB125-04   | 4       | 125  | 132  | 3    | 2012 | 50       | - | 82 | 82   | 25   | 32  | 25   | -   | 3,27  |
| 91301324   | SPB132-04   | 4       | 132  | 139  | 3    | 2012 | 50       | - | 82 | 89   | 25   | 32  | 25   | -   | 3,65  |
| 91301404   | SPB140-04   | 4       | 140  | 147  | 3    | 2517 | 65       | - | 82 | 100  | 18,5 | 45  | 18,5 | -   | 3,76  |
| 91301504   | SPB150-04   | 4       | 150  | 157  | 3    | 2517 | 65       | - | 82 | 107  | 18,5 | 45  | 18,5 | -   | 4,7   |
| 91301604   | SPB160-04   | 4       | 160  | 167  | 3    | 2517 | 65       | - | 82 | 117  | 18,5 | 45  | 18,5 | -   | 5,55  |
| 91301704   | SPB170-04   | 4       | 170  | 177  | 3    | 2517 | 65       | - | 82 | 127  | 18,5 | 45  | 18,5 | -   | 6,48  |
| 91301804   | SPB180-04   | 4       | 180  | 187  | 3    | 2517 | 65       | - | 82 | 137  | 18,5 | 45  | 18,5 | -   | 7,4   |
| 91301904   | SPB190-04   | 4       | 190  | 197  | 3    | 2517 | 65       | - | 82 | 147  | 18,5 | 45  | 18,5 | -   | 8,4   |
| 91302004   | SPB200-04   | 4       | 200  | 207  | 3    | 3020 | 75       | - | 82 | 157  | 15,5 | 51  | 15,5 | -   | 9,14  |
| 91302124   | SPB212-04   | 4       | 212  | 219  | 3    | 3020 | 75       | - | 82 | 169  | 15,5 | 51  | 15,5 | -   | 10,6  |
| 91302244   | SPB224-04   | 4       | 224  | 231  | 3    | 3020 | 75       | - | 82 | 181  | 15,5 | 51  | 15,5 | -   | 12,1  |
| 91302364   | SPB236-04   | 4       | 236  | 243  | 3    | 3020 | 75       | - | 82 | 193  | 15,5 | 51  | 15,5 | -   | 13,8  |
| 91302504   | SPB250-04   | 4       | 250  | 257  | 5    | 3020 | 75       | - | 82 | 207  | 15,5 | 51  | 15,5 | 144 | 11,2  |
| 91302804   | SPB280-04   | 4       | 280  | 287  | 5    | 3020 | 75       | - | 82 | 237  | 15,5 | 51  | 15,5 | 144 | 12,95 |
| 91303004   | SPB300-04   | 4       | 300  | 307  | 4    | 3535 | 90       | - | 82 | 257  | -    | 89  | 7    | 175 | 18,25 |
| 91303154   | SPB315-04   | 4       | 315  | 322  | 4    | 3535 | 90       | - | 82 | 272  | 3,5  | 89  | 3,5  | 175 | 19,25 |
| 91303354   | SPB335-04   | 4       | 335  | 342  | 4    | 3535 | 90       | - | 82 | 292  | 3,5  | 89  | 3,5  | 175 | 20,75 |
| 91303554   | SPB355-04   | 4       | 355  | 362  | 4    | 3535 | 90       | - | 82 | 312  | 3,5  | 89  | 3,5  | 175 | 21,62 |
| 91303754   | SPB375-04   | 4       | 375  | 382  | 4    | 3535 | 90       | - | 82 | 332  | 3,5  | 89  | 3,5  | 175 | 23,05 |
| 91304004   | SPB400-04   | 4       | 400  | 407  | 4    | 3535 | 90       | - | 82 | 357  | 3,5  | 89  | 3,5  | 175 | 24,76 |
| 91304504   | SPB450-04   | 4       | 450  | 457  | 4    | 3535 | 90       | - | 82 | 407  | -    | 89  | 7    | 175 | 27,83 |
| 91305004   | SPB500-04   | 4       | 500  | 507  | 4    | 3535 | 90       | - | 82 | 457  | -    | 89  | 7    | 175 | 30,84 |
| 91305604   | SPB560-04   | 4       | 560  | 567  | 4    | 3535 | 90       | - | 82 | 517  | -    | 89  | 7    | 175 | 36,05 |
| 91306304   | SPB630-04   | 4       | 630  | 637  | 4    | 3535 | 90       | - | 82 | 587  | -    | 89  | 7    | 175 | 40,12 |
| 91307104   | SPB710-04   | 4       | 710  | 717  | 4    | 3535 | 90       | - | 82 | 664  | 3,5  | 89  | 3,5  | 175 | 47,5  |
| 91308004   | SPB800-04   | 4       | 800  | 807  | 4    | 4040 | 110      | - | 82 | 754  | 10   | 102 | 10   | 210 | 63,4  |
| 91309004   | SPB900-04   | 4       | 900  | 907  | 4    | 4040 | 110      | - | 82 | 854  | 10   | 102 | 10   | 210 | 75    |
| 91310004   | SPB1000-04  | 4       | 1000 | 1007 | 4    | 4040 | 110      | - | 82 | 954  | 10   | 102 | 10   | 210 | 86,15 |
| 91312504   | SPB1250-04  | 4       | 1250 | 1257 | 4    | 4545 | 110      | - | 82 | 1204 | 16   | 114 | 16   | 242 | 116   |





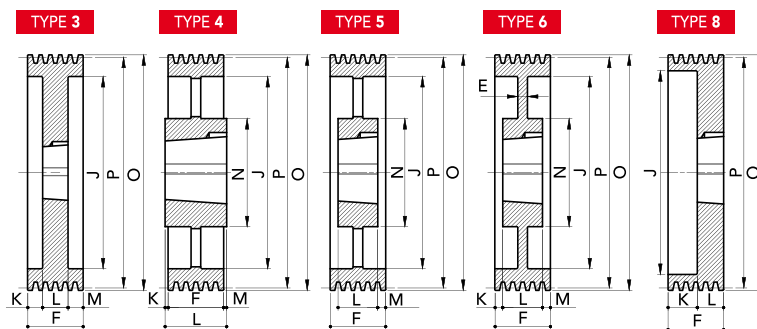
## SPB/05 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E  | F   | J    | K   | L   | M   | N   | Kg    |
|------------|-------------|---------|------|------|------|------|----------|----|-----|------|-----|-----|-----|-----|-------|
| 91301255   | SPB125-05   | 5       | 125  | 132  | 8    | 2012 | 50       | -  | 101 | 87   | 69  | 32  | -   | -   | 3,55  |
| 91301325   | SPB132-05   | 5       | 132  | 139  | 8    | 2517 | 60       | -  | 101 | 94   | 56  | 45  | -   | -   | 3,65  |
| 91301405   | SPB140-05   | 5       | 140  | 147  | 3    | 2517 | 60       | -  | 101 | 97   | 28  | 45  | 28  | -   | 4,6   |
| 91301505   | SPB150-05   | 5       | 150  | 157  | 3    | 2517 | 60       | -  | 101 | 107  | 28  | 45  | 28  | -   | 5,5   |
| 91301605   | SPB160-05   | 5       | 160  | 167  | 3    | 2517 | 60       | -  | 101 | 117  | 28  | 45  | 28  | -   | 6,45  |
| 91301705   | SPB170-05   | 5       | 170  | 177  | 3    | 3020 | 75       | -  | 101 | 127  | 25  | 51  | 25  | -   | 6,53  |
| 91301805   | SPB180-05   | 5       | 180  | 187  | 3    | 3020 | 75       | -  | 101 | 137  | 25  | 51  | 25  | -   | 7,55  |
| 91301905   | SPB190-05   | 5       | 190  | 197  | 3    | 3020 | 75       | -  | 101 | 147  | 25  | 51  | 25  | -   | 8,81  |
| 91302005   | SPB200-05   | 5       | 200  | 207  | 3    | 3020 | 75       | -  | 101 | 157  | 25  | 51  | 25  | -   | 10,25 |
| 91302125   | SPB212-05   | 5       | 212  | 219  | 3    | 3020 | 75       | -  | 101 | 169  | 25  | 51  | 25  | -   | 11,8  |
| 91302245   | SPB224-05   | 5       | 224  | 231  | 3    | 3020 | 75       | -  | 101 | 181  | 25  | 51  | 25  | -   | 13,5  |
| 91302365   | SPB236-05   | 5       | 236  | 243  | 3    | 3535 | 90       | -  | 101 | 193  | 6   | 89  | 6   | -   | 19,08 |
| 91302505   | SPB250-05   | 5       | 250  | 257  | 3    | 3535 | 90       | -  | 101 | 207  | 6   | 89  | 6   | -   | 20,32 |
| 91302805   | SPB280-05   | 5       | 280  | 287  | 6    | 3535 | 90       | 25 | 101 | 237  | 6   | 89  | 6   | 175 | 20,9  |
| 91303005   | SPB300-05   | 5       | 300  | 307  | 5    | 3535 | 90       | -  | 101 | 257  | 6   | 89  | 6   | 175 | 19,45 |
| 91303155   | SPB315-05   | 5       | 315  | 322  | 5    | 3535 | 90       | -  | 101 | 272  | 6   | 89  | 6   | 175 | 20,2  |
| 91303355   | SPB335-05   | 5       | 335  | 342  | 5    | 3535 | 90       | -  | 101 | 292  | 6   | 89  | 6   | 175 | 22,7  |
| 91303555   | SPB355-05   | 5       | 355  | 362  | 5    | 3535 | 90       | -  | 101 | 312  | 6   | 89  | 6   | 175 | 24,3  |
| 91304005   | SPB400-05   | 5       | 400  | 407  | 5    | 3535 | 90       | -  | 101 | 357  | 6   | 89  | 6   | 175 | 27,78 |
| 91304255   | SPB425-05   | 5       | 425  | 432  | 5    | 3535 | 90       | -  | 101 | 382  | 6   | 89  | 6   | 175 | 29,40 |
| 91304505   | SPB450-05   | 5       | 450  | 457  | 5    | 3535 | 90       | -  | 101 | 407  | -   | 89  | 12  | 175 | 31,35 |
| 91305005   | SPB500-05   | 5       | 500  | 507  | 5    | 3535 | 90       | -  | 101 | 457  | -   | 89  | 12  | 175 | 35,15 |
| 91305605   | SPB560-05   | 5       | 560  | 567  | 4    | 4040 | 100      | -  | 101 | 517  | -   | 102 | 1   | 210 | 45,3  |
| 91306305   | SPB630-05   | 5       | 630  | 637  | 4    | 4040 | 100      | -  | 101 | 587  | -   | 102 | 1   | 210 | 50,15 |
| 91307105   | SPB710-05   | 5       | 710  | 717  | 4    | 4040 | 100      | -  | 101 | 664  | -   | 102 | 1   | 210 | 60,2  |
| 91308005   | SPB800-05   | 5       | 800  | 807  | 4    | 4040 | 100      | -  | 101 | 754  | -   | 102 | 1   | 210 | 68    |
| 91310005   | SPB1000-05  | 5       | 1000 | 1007 | 4    | 4545 | 110      | -  | 101 | 954  | 6,5 | 114 | 6,5 | 242 | 99,75 |
| 91312505   | SPB1250-05  | 5       | 1250 | 1257 | 4    | 4545 | 110      | -  | 101 | 1204 | 6,5 | 114 | 6,5 | 242 | 133,2 |



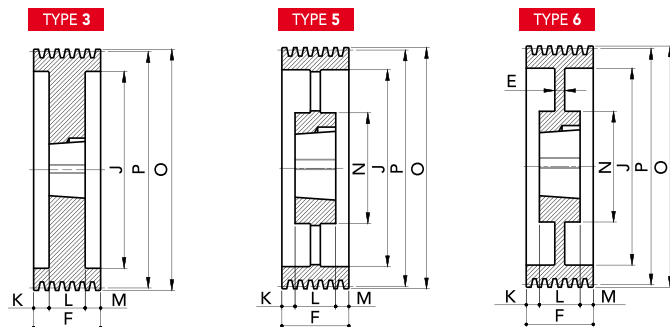
## SPB/06 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91301406   | SPB140-06   | 6       | 140  | 147  | 3    | 2517 | 65       | -  | 120 | 100  | 37,5 | 45  | 37,5 | -   | 5,1   |
| 91301506   | SPB150-06   | 6       | 150  | 157  | 3    | 2517 | 65       | -  | 120 | 107  | 37,5 | 45  | 37,5 | -   | 6,25  |
| 91301606   | SPB160-06   | 6       | 160  | 167  | 3    | 3020 | 75       | -  | 120 | 119  | 34,5 | 51  | 34,5 | -   | 6,18  |
| 91301706   | SPB170-06   | 6       | 170  | 177  | 3    | 3020 | 75       | -  | 120 | 127  | 34,5 | 51  | 34,5 | -   | 7,35  |
| 91301806   | SPB180-06   | 6       | 180  | 187  | 3    | 3020 | 75       | -  | 120 | 137  | 34,5 | 51  | 34,5 | -   | 8,57  |
| 91301906   | SPB190-06   | 6       | 190  | 197  | 3    | 3020 | 75       | -  | 120 | 147  | 34,5 | 51  | 34,5 | -   | 9,75  |
| 91302006   | SPB200-06   | 6       | 200  | 207  | 3    | 3020 | 75       | -  | 120 | 157  | 34,5 | 51  | 34,5 | -   | 11,46 |
| 91302126   | SPB212-06   | 6       | 212  | 219  | 3    | 3535 | 90       | -  | 120 | 169  | 15,5 | 89  | 15,5 | -   | 14,95 |
| 91302246   | SPB224-06   | 6       | 224  | 231  | 3    | 3535 | 90       | -  | 120 | 181  | 15,5 | 89  | 15,5 | -   | 17,57 |
| 91302366   | SPB236-06   | 6       | 236  | 243  | 3    | 3535 | 90       | -  | 120 | 193  | 15,5 | 89  | 15,5 | -   | 20,25 |
| 91302506   | SPB250-06   | 6       | 250  | 257  | 3    | 3535 | 90       | -  | 120 | 207  | 15,5 | 89  | 15,5 | -   | 23,74 |
| 91302806   | SPB280-06   | 6       | 280  | 287  | 6    | 3535 | 90       | 25 | 120 | 237  | 15,5 | 89  | 15,5 | 175 | 22,52 |
| 91303006   | SPB300-06   | 6       | 300  | 307  | 5    | 3535 | 90       | -  | 120 | 257  | 15,5 | 89  | 15,5 | 175 | 22,35 |
| 91303156   | SPB315-06   | 6       | 315  | 322  | 5    | 3535 | 90       | -  | 120 | 272  | 15,5 | 89  | 15,5 | 175 | 23,55 |
| 91303356   | SPB335-06   | 6       | 335  | 342  | 5    | 3535 | 90       | -  | 120 | 292  | 15,5 | 89  | 15,5 | 175 | 25,05 |
| 91303556   | SPB355-06   | 6       | 355  | 362  | 5    | 3535 | 90       | -  | 120 | 312  | 15,5 | 89  | 15,5 | 175 | 26,08 |
| 91304006   | SPB400-06   | 6       | 400  | 407  | 5    | 3535 | 90       | -  | 120 | 357  | 15,5 | 89  | 15,5 | 175 | 29,85 |
| 91304506   | SPB450-06   | 6       | 450  | 457  | 5    | 4040 | 110      | -  | 120 | 407  | -    | 102 | 18   | 210 | 39,3  |
| 91305006   | SPB500-06   | 6       | 500  | 507  | 5    | 4040 | 110      | -  | 120 | 457  | -    | 102 | 18   | 210 | 43,43 |
| 91305606   | SPB560-06   | 6       | 560  | 567  | 5    | 4040 | 110      | -  | 120 | 517  | -    | 102 | 18   | 210 | 48,55 |
| 91306306   | SPB630-06   | 6       | 630  | 637  | 5    | 4040 | 110      | -  | 120 | 587  | -    | 102 | 18   | 210 | 54,7  |
| 91307106   | SPB710-06   | 6       | 710  | 717  | 5    | 4040 | 110      | -  | 120 | 664  | 9    | 102 | 9    | 210 | 65,98 |
| 91308006   | SPB800-06   | 6       | 800  | 807  | 5    | 4545 | 110      | -  | 120 | 754  | 3    | 114 | 3    | 242 | 77,52 |
| 91310006   | SPB1000-06  | 6       | 1000 | 1007 | 5    | 4545 | 110      | -  | 120 | 954  | 3    | 114 | 3    | 242 | 111   |
| 91312506   | SPB1250-06  | 6       | 1250 | 1257 | 5    | 4545 | 110      | -  | 120 | 1204 | 3    | 114 | 3    | 242 | 144   |





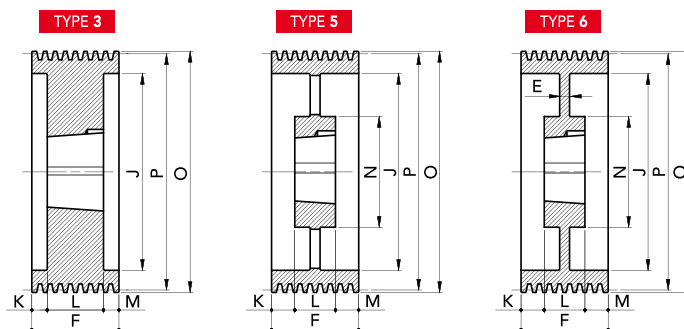
## SPB/08 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91301408   | SPB140-08   | 8       | 140  | 147  | 3    | 2517 | 65       | -  | 158 | 97   | 56,5 | 45  | 56,5 | -   | 6,78  |
| 91301608   | SPB160-08   | 8       | 160  | 167  | 3    | 3020 | 65       | -  | 158 | 118  | 53,5 | 51  | 53,5 | -   | 7,85  |
| 91301808   | SPB180-08   | 8       | 180  | 187  | 3    | 3030 | 75       | -  | 158 | 137  | 41   | 76  | 41   | -   | 12    |
| 91301908   | SPB190-08   | 8       | 190  | 197  | 3    | 3030 | 75       | -  | 158 | 147  | 41   | 76  | 41   | -   | 13,55 |
| 91302008   | SPB200-08   | 8       | 200  | 207  | 3    | 3535 | 75       | -  | 158 | 157  | 34,5 | 89  | 34,5 | -   | 14,6  |
| 91302128   | SPB212-08   | 8       | 212  | 219  | 3    | 3535 | 75       | -  | 158 | 169  | 34,5 | 89  | 34,5 | -   | 17,02 |
| 91302248   | SPB224-08   | 8       | 224  | 231  | 3    | 3535 | 75       | -  | 158 | 181  | 34,5 | 89  | 34,5 | -   | 20,16 |
| 91302368   | SPB236-08   | 8       | 236  | 243  | 3    | 3535 | 90       | -  | 158 | 193  | 34,5 | 89  | 34,5 | -   | 22,9  |
| 91302508   | SPB250-08   | 8       | 250  | 257  | 3    | 3535 | 90       | -  | 158 | 207  | 34,5 | 89  | 34,5 | -   | 26,69 |
| 91302808   | SPB280-08   | 8       | 280  | 287  | 6    | 3535 | 90       | 25 | 158 | 237  | 34,5 | 89  | 34,5 | 175 | 25,87 |
| 91303008   | SPB300-08   | 8       | 300  | 307  | 6    | 3535 | 90       | 25 | 158 | 257  | 34,5 | 89  | 34,5 | 175 | 28,55 |
| 91303158   | SPB315-08   | 8       | 315  | 322  | 5    | 3535 | 90       | -  | 158 | 272  | 34,5 | 89  | 34,5 | 175 | 28,35 |
| 91303358   | SPB335-08   | 8       | 335  | 342  | 5    | 3535 | 90       | -  | 158 | 292  | 34,5 | 89  | 34,5 | 175 | 31,1  |
| 91303558   | SPB355-08   | 8       | 355  | 362  | 5    | 3535 | 90       | -  | 158 | 312  | 34,5 | 89  | 34,5 | 175 | 31,4  |
| 91304008   | SPB400-08   | 8       | 400  | 407  | 5    | 4040 | 110      | -  | 158 | 357  | 28   | 102 | 28   | 210 | 41,5  |
| 91304508   | SPB450-08   | 8       | 450  | 457  | 5    | 4040 | 110      | -  | 158 | 407  | 28   | 102 | 28   | 210 | 46,75 |
| 91305008   | SPB500-08   | 8       | 500  | 507  | 5    | 4040 | 100      | -  | 158 | 457  | 28   | 102 | 28   | 210 | 52,35 |
| 91305608   | SPB560-08   | 8       | 560  | 567  | 5    | 4545 | 110      | -  | 158 | 517  | 22   | 114 | 22   | 242 | 65,7  |
| 91306308   | SPB630-08   | 8       | 630  | 637  | 5    | 4545 | 110      | -  | 158 | 587  | 22   | 114 | 22   | 242 | 72,06 |
| 91307108   | SPB710-08   | 8       | 710  | 717  | 5    | 4545 | 110      | -  | 158 | 664  | 22   | 114 | 22   | 242 | 83    |
| 91308008   | SPB800-08   | 8       | 800  | 807  | 5    | 4545 | 110      | -  | 158 | 754  | 22   | 114 | 22   | 242 | 97,56 |
| 91310008   | SPB1000-08  | 8       | 1000 | 1007 | 5    | 5050 | 125      | -  | 158 | 954  | 15,5 | 127 | 15,5 | 267 | 130   |
| 91312508   | SPB1250-08  | 8       | 1250 | 1257 | 5    | 5050 | 125      | -  | 158 | 1204 | 15,5 | 127 | 15,5 | 267 | 161,4 |

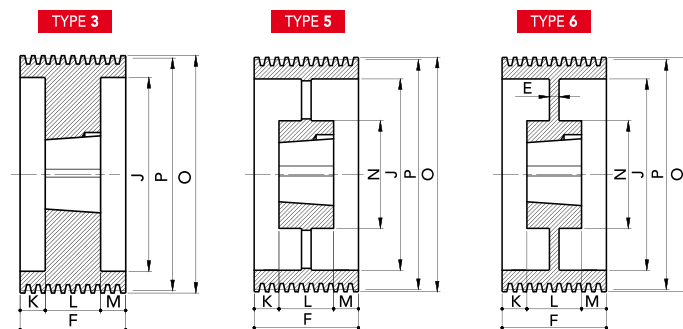


## SPB/10 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O    | TYPE | BUSH | MAX BORE | E | F   | J    | K    | L   | M    | N   | Kg   |
|------------|-------------|---------|------|------|------|------|----------|---|-----|------|------|-----|------|-----|------|
| 91302210   | SPB224-10   | 10      | 224  | 231  | 3    | 3535 | 90       | - | 196 | 181  | 53,5 | 89  | 53,5 | -   | 23,1 |
| 91303510   | SPB355-10   | 10      | 355  | 362  | 5    | 4040 | 110      | - | 196 | 312  | 47   | 102 | 47   | 210 | 43   |
| 91307010   | SPB710-10   | 10      | 710  | 717  | 5    | 4545 | 110      | - | 196 | 664  | 41   | 114 | 41   | 242 | 95,7 |
| 91308010   | SPB800-10   | 10      | 800  | 807  | 5    | 4545 | 110      | - | 196 | 754  | 41   | 114 | 41   | 242 | 112  |
| 91310010   | SPB1000-10  | 10      | 1000 | 1007 | 5    | 5050 | 125      | - | 196 | 954  | 34,5 | 127 | 34,5 | 267 | 150  |
| 91312510   | SPB1250-10  | 10      | 1250 | 1257 | 5    | 5050 | 125      | - | 196 | 1204 | 34,5 | 127 | 34,5 | 267 | 201  |



## SPC/02 TYPE

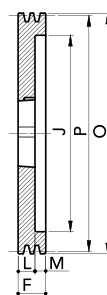
### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

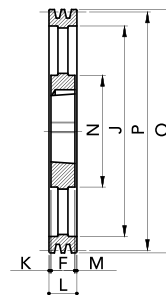
#### MATERIAL

CAST-IRON G20/25 EN 1561

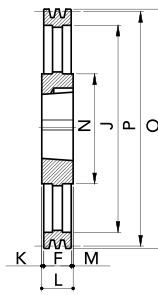
TYPE 2



TYPE 5



TYPE 4



| PROD. CODE | PROD. MODEL | GROOVES | P   | O     | TYPE | BUSH | MAX BORE | E | F    | J   | K     | L  | M     | N   | Kg    |
|------------|-------------|---------|-----|-------|------|------|----------|---|------|-----|-------|----|-------|-----|-------|
| 91402002   | SPC200-02   | 2       | 200 | 209,6 | 2    | 2517 | 60       | - | 59,5 | 144 | -     | 45 | 14,5  | -   | 8,23  |
| 91402242   | SPC224-02   | 2       | 224 | 233,6 | 2    | 3020 | 75       | - | 59,5 | 168 | -     | 51 | 8,5   | -   | 10,3  |
| 91402502   | SPC250-02   | 2       | 250 | 259,6 | 2    | 3020 | 75       | - | 59,5 | 194 | -     | 51 | 8,5   | -   | 13,75 |
| 91402802   | SPC280-02   | 2       | 280 | 289,6 | 2    | 3020 | 75       | - | 59,5 | 224 | -     | 51 | 8,5   | -   | 21,26 |
| 91403002   | SPC300-02   | 2       | 300 | 309,6 | 5    | 3020 | 75       | - | 59,5 | 244 | 4,25  | 51 | 4,25  | 144 | 12,9  |
| 91403152   | SPC315-02   | 2       | 315 | 324,6 | 5    | 3020 | 75       | - | 59,5 | 259 | 4,25  | 51 | 4,25  | 144 | 13,5  |
| 91403352   | SPC335-02   | 2       | 335 | 344,6 | 5    | 3020 | 75       | - | 59,5 | 279 | 4,25  | 51 | 4,25  | 144 | 15,42 |
| 91403552   | SPC355-02   | 2       | 355 | 364,6 | 4    | 3535 | 90       | - | 59,5 | 299 | 14,75 | 89 | 14,75 | 175 | 23,00 |
| 91404002   | SPC400-02   | 2       | 400 | 409,6 | 4    | 3535 | 90       | - | 59,5 | 344 | 14,75 | 89 | 14,75 | 175 | 25,00 |
| 91404502   | SPC450-02   | 2       | 450 | 459,6 | 4    | 3535 | 90       | - | 59,5 | 394 | 14,75 | 89 | 14,75 | 175 | 27,00 |



## SPC/03 TYPE

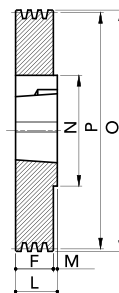
### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

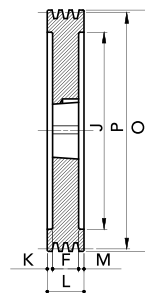
#### MATERIAL

CAST-IRON G20/25 EN 1561

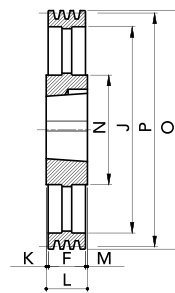
TYPE 1



TYPE 3



TYPE 4



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E | F  | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|--------|------|------|----------|---|----|------|------|-----|------|-----|-------|
| 91401803   | SPC180-03   | 3       | 180  | 189,6  | 3    | 2517 | 65       | - | 85 | 124  | 20   | 45  | 20   | -   | 7,94  |
| 91402003   | SPC200-03   | 3       | 200  | 209,6  | 3    | 2517 | 65       | - | 85 | 144  | 20   | 45  | 20   | -   | 10,06 |
| 91402243   | SPC224-03   | 3       | 224  | 233,6  | 3    | 3020 | 75       | - | 85 | 168  | 17   | 51  | 17   | -   | 12,35 |
| 91402503   | SPC250-03   | 3       | 250  | 259,6  | 3    | 3020 | 75       | - | 85 | 194  | 17   | 51  | 17   | -   | 16,15 |
| 91402803   | SPC280-03   | 3       | 280  | 289,6  | 1    | 3535 | 90       | - | 85 | -    | -    | 89  | 4    | 175 | 27,05 |
| 91403003   | SPC300-03   | 3       | 300  | 309,6  | 4    | 3535 | 90       | - | 85 | 244  | 2    | 89  | 2    | 175 | 20,63 |
| 91403153   | SPC315-03   | 3       | 315  | 324,6  | 4    | 3535 | 90       | - | 85 | 259  | 2    | 89  | 2    | 175 | 21,91 |
| 91403353   | SPC335-03   | 3       | 335  | 344,6  | 4    | 3535 | 90       | - | 85 | 279  | 2    | 89  | 2    | 175 | 23,65 |
| 91403553   | SPC355-03   | 3       | 355  | 364,6  | 4    | 3535 | 90       | - | 85 | 299  | 2    | 89  | 2    | 175 | 24,2  |
| 91404003   | SPC400-03   | 3       | 400  | 409,6  | 4    | 3535 | 90       | - | 85 | 344  | 2    | 89  | 2    | 175 | 27,63 |
| 91404503   | SPC450-03   | 3       | 450  | 459,6  | 4    | 3535 | 90       | - | 85 | 394  | 2    | 89  | 2    | 175 | 31,6  |
| 91405003   | SPC500-03   | 3       | 500  | 509,6  | 4    | 3535 | 90       | - | 85 | 444  | 2    | 89  | 2    | 175 | 36,3  |
| 91405603   | SPC560-03   | 3       | 560  | 569,6  | 4    | 3535 | 90       | - | 85 | 504  | 2    | 89  | 2    | 175 | 40,12 |
| 91406303   | SPC630-03   | 3       | 630  | 639,6  | 4    | 4040 | 110      | - | 85 | 574  | 8,5  | 102 | 8,5  | 210 | 51,45 |
| 91408003   | SPC800-03   | 3       | 800  | 809,6  | 4    | 4545 | 110      | - | 85 | 737  | 14,5 | 114 | 14,5 | 242 | 79    |
| 91410003   | SPC1000-03  | 3       | 1000 | 1009,6 | 4    | 5050 | 125      | - | 85 | 937  | 21   | 127 | 21   | 267 | 120,5 |
| 91412503   | SPC1250-03  | 3       | 1250 | 1259,6 | 4    | 5050 | 125      | - | 85 | 1187 | 21   | 127 | 21   | 267 | 136   |





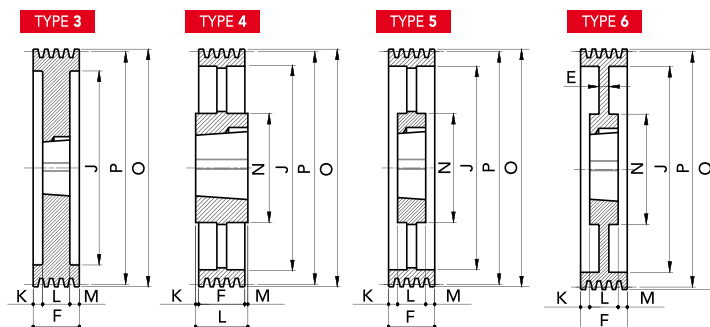
## SPC/04 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E  | F   | J    | K   | L   | M   | N   | Kg     |
|------------|-------------|---------|------|--------|------|------|----------|----|-----|------|-----|-----|-----|-----|--------|
| 91401804   | SPC180-04   | 4       | 180  | 189,6  | 3    | 3020 | 75       | -  | 111 | 124  | 30  | 51  | 30  | -   | 8,65   |
| 91402004   | SPC200-04   | 4       | 200  | 209,6  | 3    | 3020 | 75       | -  | 111 | 144  | 30  | 51  | 30  | -   | 11,15  |
| 91402244   | SPC224-04   | 4       | 224  | 233,6  | 3    | 3535 | 90       | -  | 111 | 168  | 11  | 89  | 11  | -   | 16,30  |
| 91402364   | SPC236-04   | 4       | 236  | 245,6  | 3    | 3535 | 90       | -  | 111 | 180  | 11  | 89  | 11  | -   | 18,90  |
| 91402504   | SPC250-04   | 4       | 250  | 259,6  | 3    | 3535 | 90       | -  | 111 | 194  | 11  | 89  | 11  | -   | 22,00  |
| 91402804   | SPC280-04   | 4       | 280  | 289,6  | 6    | 3535 | 90       | 18 | 111 | 224  | 11  | 89  | 11  | 175 | 22,51  |
| 91403004   | SPC300-04   | 4       | 300  | 309,6  | 6    | 3535 | 90       | 20 | 111 | 244  | 11  | 89  | 11  | 175 | 24,60  |
| 91403154   | SPC315-04   | 4       | 315  | 324,6  | 5    | 3535 | 90       | -  | 111 | 259  | 11  | 89  | 11  | 175 | 24,73  |
| 91403354   | SPC335-04   | 4       | 335  | 344,6  | 5    | 3535 | 90       | -  | 111 | 279  | 11  | 89  | 11  | 175 | 27,45  |
| 91403554   | SPC355-04   | 4       | 355  | 364,6  | 5    | 3535 | 90       | -  | 111 | 299  | 11  | 89  | 11  | 175 | 29,50  |
| 91404004   | SPC400-04   | 4       | 400  | 409,6  | 5    | 3535 | 90       | -  | 111 | 344  | 11  | 89  | 11  | 175 | 33,27  |
| 91404504   | SPC450-04   | 4       | 450  | 459,6  | 5    | 3535 | 90       | -  | 111 | 394  | 11  | 89  | 11  | 175 | 36,80  |
| 91405004   | SPC500-04   | 4       | 500  | 509,6  | 5    | 3535 | 90       | -  | 111 | 444  | 11  | 89  | 11  | 175 | 42,60  |
| 91405604   | SPC560-04   | 4       | 560  | 569,6  | 5    | 4040 | 110      | -  | 111 | 504  | 4,5 | 102 | 4,5 | 210 | 53,15  |
| 91406304   | SPC630-04   | 4       | 630  | 639,6  | 4    | 4545 | 110      | -  | 111 | 574  | 1,5 | 114 | 1,5 | 242 | 68,20  |
| 91407104   | SPC710-04   | 4       | 710  | 719,6  | 4    | 5050 | 125      | -  | 111 | 654  | 8   | 127 | 8   | 267 | 86,16  |
| 91408004   | SPC800-04   | 4       | 800  | 809,6  | 4    | 5050 | 125      | -  | 111 | 737  | 8   | 127 | 8   | 267 | 97,15  |
| 91410004   | SPC1000-04  | 4       | 1000 | 1009,6 | 4    | 5050 | 125      | -  | 111 | 937  | 8   | 127 | 8   | 267 | 125,00 |
| 91412504   | SPC1250-04  | 4       | 1250 | 1259,6 | 4    | 5050 | 125      | -  | 111 | 1187 | 8   | 127 | 8   | 267 | 166,00 |



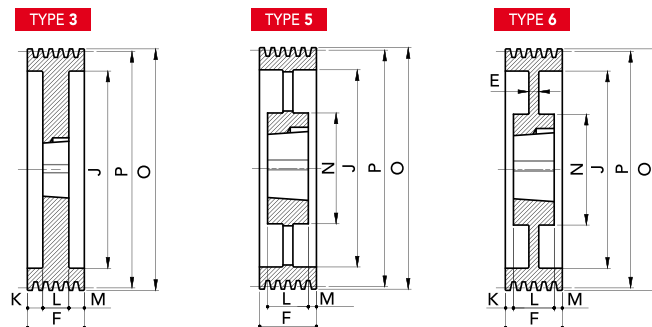
## SPC/05 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|--------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91401805   | SPC180-05   | 5       | 180  | 189,6  | 3    | 3020 | 75       | -  | 136 | 124  | 42,5 | 51  | 42,5 | -   | 9,2   |
| 91402005   | SPC200-05   | 5       | 200  | 209,6  | 3    | 3535 | 90       | -  | 136 | 144  | 23,5 | 89  | 23,5 | -   | 13,07 |
| 91402245   | SPC224-05   | 5       | 224  | 233,6  | 3    | 3535 | 90       | -  | 136 | 168  | 23,5 | 89  | 23,5 | -   | 18,3  |
| 91402505   | SPC250-05   | 5       | 250  | 259,6  | 3    | 3535 | 90       | -  | 136 | 194  | 23,5 | 89  | 23,5 | -   | 24,55 |
| 91402805   | SPC280-05   | 5       | 280  | 289,6  | 3    | 3535 | 90       | -  | 136 | 224  | 23,5 | 89  | 23,5 | -   | 32,81 |
| 91403005   | SPC300-05   | 5       | 300  | 309,6  | 6    | 3535 | 90       | 20 | 136 | 244  | 23,5 | 89  | 23,5 | 175 | 29,8  |
| 91403155   | SPC315-05   | 5       | 315  | 324,6  | 5    | 3535 | 90       | -  | 136 | 259  | 23,5 | 89  | 23,5 | 210 | 28,21 |
| 91403355   | SPC335-05   | 5       | 335  | 344,6  | 5    | 3535 | 90       | -  | 136 | 279  | 23,5 | 89  | 23,5 | 210 | 30,7  |
| 91403555   | SPC355-05   | 5       | 355  | 364,6  | 5    | 3535 | 90       | -  | 136 | 299  | 23,5 | 89  | 23,5 | 242 | 33,12 |
| 91404005   | SPC400-05   | 5       | 400  | 409,6  | 5    | 3535 | 90       | -  | 136 | 344  | 23,5 | 89  | 23,5 | 267 | 37,4  |
| 91404505   | SPC450-05   | 5       | 450  | 459,6  | 5    | 4040 | 110      | -  | 136 | 394  | 17   | 102 | 17   | 267 | 48,1  |
| 91405005   | SPC500-05   | 5       | 500  | 509,6  | 5    | 4040 | 110      | -  | 136 | 444  | 17   | 102 | 17   | 267 | 54    |
| 91405605   | SPC560-05   | 5       | 560  | 569,6  | 5    | 4545 | 110      | -  | 136 | 504  | 11   | 114 | 11   | 267 | 66,77 |
| 91406305   | SPC630-05   | 5       | 630  | 639,6  | 5    | 5050 | 125      | -  | 136 | 574  | 4,5  | 127 | 4,5  | 267 | 82    |
| 91407105   | SPC710-05   | 5       | 710  | 719,6  | 5    | 5050 | 125      | -  | 136 | 654  | 4,5  | 127 | 4,5  | 267 | 93,2  |
| 91408005   | SPC800-05   | 5       | 800  | 809,6  | 5    | 5050 | 125      | -  | 136 | 737  | 4,5  | 127 | 4,5  | 267 | 110   |
| 91410005   | SPC1000-05  | 5       | 1000 | 1009,6 | 5    | 5050 | 125      | -  | 136 | 937  | 4,5  | 127 | 4,5  | 267 | 154   |
| 91412505   | SPC1250-05  | 5       | 1250 | 1259,6 | 5    | 5050 | 125      | -  | 136 | 1187 | 4,5  | 127 | 4,5  | 267 | 188   |



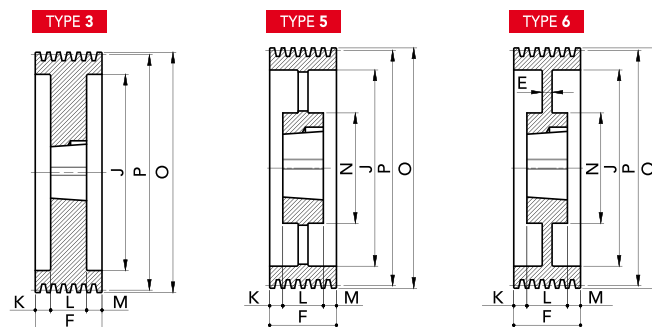
## SPC/06 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|--------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91401806   | SPC180-06   | 6       | 180  | 189,6  | 3    | 3020 | 75       | -  | 162 | 124  | 55,5 | 51  | 55,5 | -   | 11,88 |
| 91402006   | SPC200-06   | 6       | 200  | 209,6  | 3    | 3535 | 90       | -  | 162 | 144  | 36,5 | 89  | 36,5 | -   | 14,8  |
| 91402246   | SPC224-06   | 6       | 224  | 233,6  | 3    | 3535 | 90       | -  | 162 | 168  | 36,5 | 89  | 36,5 | -   | 20,3  |
| 91402366   | SPC236-06   | 6       | 236  | 245,6  | 3    | 3535 | 90       | -  | 162 | 180  | 36,5 | 89  | 36,5 | -   | 23,31 |
| 91402506   | SPC250-06   | 6       | 250  | 259,6  | 3    | 3535 | 90       | -  | 162 | 194  | 36,5 | 89  | 36,5 | -   | 27,17 |
| 91402806   | SPC280-06   | 6       | 280  | 289,6  | 6    | 3535 | 90       | 20 | 162 | 224  | 36,5 | 89  | 36,5 | 175 | 28,9  |
| 91403006   | SPC300-06   | 6       | 300  | 309,6  | 6    | 3535 | 90       | 20 | 162 | 244  | 36,5 | 89  | 36,5 | 175 | 30,35 |
| 91403156   | SPC315-06   | 6       | 315  | 324,6  | 5    | 3535 | 90       | -  | 162 | 259  | 36,5 | 89  | 36,5 | 175 | 31,35 |
| 91403356   | SPC335-06   | 6       | 335  | 344,6  | 5    | 3535 | 90       | -  | 162 | 279  | 36,5 | 89  | 36,5 | 175 | 35    |
| 91403556   | SPC355-06   | 6       | 355  | 364,6  | 5    | 3535 | 90       | -  | 162 | 299  | 36,5 | 89  | 36,5 | 175 | 37,1  |
| 91404006   | SPC400-06   | 6       | 400  | 409,6  | 5    | 4040 | 110      | -  | 162 | 344  | 30   | 102 | 30   | 210 | 47,76 |
| 91404506   | SPC450-06   | 6       | 450  | 459,6  | 5    | 4545 | 110      | -  | 162 | 394  | 24   | 114 | 24   | 242 | 60,98 |
| 91405006   | SPC500-06   | 6       | 500  | 509,6  | 5    | 4545 | 110      | -  | 162 | 444  | 24   | 114 | 24   | 242 | 67,6  |
| 91405606   | SPC560-06   | 6       | 560  | 569,6  | 5    | 5050 | 125      | -  | 162 | 504  | 17,5 | 127 | 17,5 | 267 | 81,4  |
| 91406306   | SPC630-06   | 6       | 630  | 639,6  | 5    | 5050 | 125      | -  | 162 | 574  | 17,5 | 127 | 17,5 | 267 | 89,7  |
| 91407106   | SPC710-06   | 6       | 710  | 719,6  | 5    | 5050 | 125      | -  | 162 | 654  | 17,5 | 127 | 17,5 | 267 | 102,6 |
| 91408006   | SPC800-06   | 6       | 800  | 809,6  | 5    | 5050 | 125      | -  | 162 | 737  | 17,5 | 127 | 17,5 | 267 | 123,6 |
| 91410006   | SPC1000-06  | 6       | 1000 | 1009,6 | 5    | 5050 | 125      | -  | 162 | 937  | 17,5 | 127 | 17,5 | 267 | 160   |
| 91412506   | SPC1250-06  | 6       | 1250 | 1259,6 | 5    | 5050 | 125      | -  | 162 | 1187 | 17,5 | 127 | 17,5 | 267 | 201   |



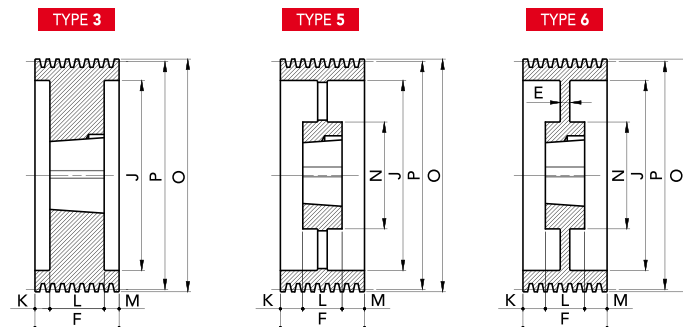
## SPC/08 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|--------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91402008   | SPC200-08   | 8       | 200  | 209,6  | 3    | 3535 | 90       | -  | 213 | 144  | 62   | 89  | 62   | -   | 18,52 |
| 91402248   | SPC224-08   | 8       | 224  | 233,6  | 3    | 3535 | 90       | -  | 213 | 168  | 62   | 89  | 62   | -   | 24,85 |
| 91402508   | SPC250-08   | 8       | 250  | 259,6  | 3    | 3535 | 90       | -  | 213 | 194  | 62   | 89  | 62   | -   | 31,9  |
| 91402808   | SPC280-08   | 8       | 280  | 289,6  | 3    | 3535 | 90       | -  | 213 | 224  | 62   | 89  | 62   | -   | 40,6  |
| 91403008   | SPC300-08   | 8       | 300  | 309,6  | 3    | 4040 | 110      | -  | 213 | 244  | 55,5 | 102 | 55,5 | -   | 47,71 |
| 91403158   | SPC315-08   | 8       | 315  | 324,6  | 3    | 4040 | 110      | -  | 213 | 259  | 55,5 | 102 | 55,5 | -   | 53,92 |
| 91403358   | SPC335-08   | 8       | 335  | 344,6  | 6    | 4040 | 110      | 50 | 213 | 279  | 55,5 | 102 | 55,5 | 210 | 53    |
| 91403558   | SPC355-08   | 8       | 355  | 364,6  | 5    | 4040 | 110      | -  | 213 | 299  | 55,5 | 102 | 55,5 | 210 | 50,67 |
| 91404008   | SPC400-08   | 8       | 400  | 409,6  | 5    | 4545 | 110      | -  | 213 | 344  | 49,5 | 114 | 49,5 | 242 | 65,1  |
| 91404508   | SPC450-08   | 8       | 450  | 459,6  | 5    | 5050 | 125      | -  | 213 | 394  | 43   | 127 | 43   | 267 | 77,33 |
| 91405008   | SPC500-08   | 8       | 500  | 509,6  | 5    | 5050 | 125      | -  | 213 | 444  | 43   | 127 | 43   | 267 | 88,7  |
| 91405608   | SPC560-08   | 8       | 560  | 569,6  | 5    | 5050 | 125      | -  | 213 | 504  | 43   | 127 | 43   | 267 | 95,8  |
| 91406308   | SPC630-08   | 8       | 630  | 639,6  | 5    | 5050 | 125      | -  | 213 | 574  | 43   | 127 | 43   | 267 | 106   |
| 91407108   | SPC710-08   | 8       | 710  | 719,6  | 5    | 5050 | 125      | -  | 213 | 654  | 43   | 127 | 43   | 267 | 124   |
| 91408008   | SPC800-08   | 8       | 800  | 809,6  | 5    | 5050 | 125      | -  | 213 | 737  | 43   | 127 | 43   | 267 | 150   |
| 91410008   | SPC1000-08  | 8       | 1000 | 1009,6 | 5    | 5050 | 125      | -  | 213 | 937  | 43   | 127 | 43   | 267 | 191   |
| 91412508   | SPC1250-08  | 8       | 1250 | 1259,6 | 5    | 5050 | 125      | -  | 213 | 1187 | 43   | 127 | 43   | 267 | 255   |





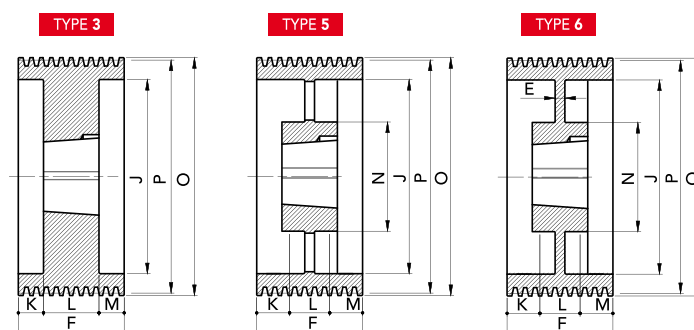
## SPC/10 TYPE

### TAPER BUSHES

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.

#### MATERIAL

CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | GROOVES | P    | O      | TYPE | BUSH | MAX BORE | E  | F   | J    | K    | L   | M    | N   | Kg    |
|------------|-------------|---------|------|--------|------|------|----------|----|-----|------|------|-----|------|-----|-------|
| 91402210   | SPC224-10   | 10      | 224  | 233,6  | 3    | 4040 | 110      | -  | 264 | 168  | 81   | 102 | 81   | -   | 27    |
| 91402510   | SPC250-10   | 10      | 250  | 259,6  | 3    | 4040 | 110      | -  | 264 | 194  | 81   | 102 | 81   | -   | 35,35 |
| 91402810   | SPC280-10   | 10      | 280  | 289,6  | 3    | 4040 | 110      | -  | 264 | 224  | 81   | 102 | 81   | -   | 45,92 |
| 91403010   | SPC300-10   | 10      | 300  | 309,6  | 3    | 4545 | 110      | -  | 264 | 244  | 75   | 114 | 75   | -   | 54    |
| 91403110   | SPC315-10   | 10      | 315  | 324,6  | 3    | 4545 | 110      | -  | 264 | 259  | 75   | 114 | 75   | -   | 59,7  |
| 91403310   | SPC335-10   | 10      | 335  | 344,6  | 3    | 4545 | 110      | -  | 264 | 279  | 75   | 114 | 75   | -   | 71    |
| 91403510   | SPC355-10   | 10      | 355  | 364,6  | 3    | 4545 | 110      | -  | 264 | 299  | 75   | 114 | 75   | -   | 80,5  |
| 91404010   | SPC400-10   | 10      | 400  | 409,6  | 6    | 5050 | 125      | 70 | 264 | 344  | 68,5 | 127 | 68,5 | 267 | 92    |
| 91404510   | SPC450-10   | 10      | 450  | 459,6  | 5    | 5050 | 125      | -  | 264 | 394  | 68,5 | 127 | 68,5 | 267 | 89,4  |
| 91405010   | SPC500-10   | 10      | 500  | 509,6  | 5    | 5050 | 125      | -  | 264 | 444  | 68,5 | 127 | 68,5 | 267 | 100   |
| 91405610   | SPC560-10   | 10      | 560  | 569,6  | 5    | 5050 | 125      | -  | 264 | 504  | 68,5 | 127 | 68,5 | 267 | 114   |
| 91406310   | SPC630-10   | 10      | 630  | 639,6  | 5    | 5050 | 125      | -  | 264 | 574  | 68,5 | 127 | 68,5 | 267 | 128   |
| 91407110   | SPC710-10   | 10      | 710  | 719,6  | 5    | 5050 | 125      | -  | 264 | 654  | 68,5 | 127 | 68,5 | 267 | 148   |
| 91408010   | SPC800-10   | 10      | 800  | 809,6  | 5    | 5050 | 125      | -  | 264 | 737  | 68,5 | 127 | 68,5 | 267 | 174   |
| 91410010   | SPC1000-10  | 10      | 1000 | 1009,6 | 5    | 5050 | 125      | -  | 264 | 937  | 68,5 | 127 | 68,5 | 267 | 222   |
| 91412510   | SPC1250-10  | 10      | 1250 | 1259,6 | 5    | 5050 | 125      | -  | 264 | 1187 | 68,5 | 127 | 68,5 | 267 | 311   |

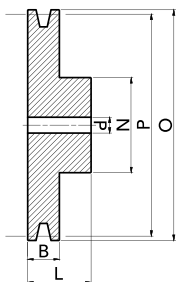


## SPA/1 TYPE

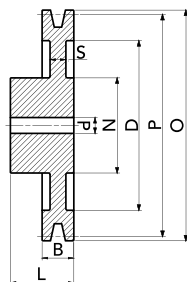
SOLID HUB

MATERIAL  
CAST-IRON G20/25 EN 1561

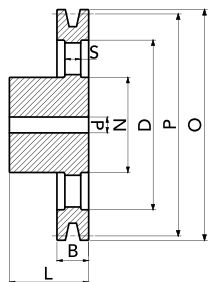
TYPE 1



TYPE 3



TYPE 5



| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|----|------|--------|-------|
| 91220401   | SPA40-1     | 40  | 45,5  | 1       | 40  | 35 | -   | -  | 20 | 1    | 10     | 0,28  |
| 91220501   | SPA50-1     | 50  | 55,5  | 1       | 40  | 35 | -   | -  | 20 | 1    | 10     | 0,37  |
| 91220551   | SPA55-1     | 55  | 60,5  | 1       | 40  | 35 | -   | -  | 20 | 1    | 10     | 0,42  |
| 91220601   | SPA60-1     | 60  | 65,5  | 1       | 40  | 35 | -   | -  | 20 | 1    | 10     | 0,46  |
| 91220631   | SPA63-1     | 63  | 68,5  | 1       | 40  | 35 | -   | -  | 20 | 1    | 10     | 0,48  |
| 91220651   | SPA65-1     | 65  | 70,5  | 1       | 40  | 40 | -   | -  | 20 | 1    | 10     | 0,52  |
| 91220701   | SPA70-1     | 70  | 75,5  | 1       | 40  | 40 | -   | -  | 20 | 1    | 10     | 0,60  |
| 91220751   | SPA75-1     | 75  | 80,5  | 1       | 40  | 40 | -   | -  | 20 | 1    | 10     | 0,74  |
| 91220801   | SPA80-1     | 80  | 85,5  | 1       | 45  | 40 | -   | -  | 20 | 1    | 10     | 0,86  |
| 91220851   | SPA85-1     | 85  | 90,5  | 1       | 45  | 40 | -   | -  | 20 | 1    | 10     | 0,95  |
| 91220901   | SPA90-1     | 90  | 95,5  | 1       | 45  | 40 | -   | -  | 20 | 1    | 10     | 1,05  |
| 91220951   | SPA95-1     | 95  | 100,5 | 1       | 45  | 40 | -   | -  | 20 | 1    | 10     | 1,15  |
| 91221001   | SPA100-1    | 100 | 105,5 | 1       | 48  | 40 | -   | -  | 20 | 1    | 10     | 1,28  |
| 91221051   | SPA105-1    | 105 | 110,5 | 1       | 48  | 40 | -   | -  | 20 | 1    | 10     | 1,38  |
| 91221121   | SPA112-1    | 112 | 117,5 | 1       | 48  | 40 | -   | -  | 20 | 1    | 10     | 1,53  |
| 91221201   | SPA120-1    | 120 | 125,5 | 1       | 60  | 40 | -   | -  | 20 | 1    | 15     | 1,92  |
| 91221251   | SPA125-1    | 125 | 130,5 | 1       | 60  | 40 | -   | -  | 20 | 1    | 15     | 2,08  |
| 91221301   | SPA130-1    | 130 | 135,5 | 1       | 60  | 40 | -   | -  | 20 | 1    | 15     | 2,18  |
| 91221401   | SPA140-1    | 140 | 145,5 | 1       | 60  | 40 | 107 | 10 | 20 | 3    | 15     | 2,00  |
| 91221501   | SPA150-1    | 150 | 155,5 | 1       | 60  | 40 | 117 | 10 | 20 | 3    | 15     | 2,21  |
| 91221601   | SPA160-1    | 160 | 165,5 | 1       | 60  | 40 | 127 | 10 | 20 | 3    | 15     | 2,36  |
| 91221701   | SPA170-1    | 170 | 175,5 | 1       | 60  | 40 | 137 | 10 | 20 | 3    | 15     | 2,75  |
| 91221801   | SPA180-1    | 180 | 185,5 | 1       | 65  | 40 | 147 | 10 | 20 | 3    | 20     | 3,11  |
| 91222001   | SPA200-1    | 200 | 205,5 | 1       | 65  | 45 | 167 | 10 | 20 | 3    | 20     | 3,79  |
| 91222251   | SPA225-1    | 225 | 230,5 | 1       | 65  | 45 | 193 | 10 | 20 | 3    | 20     | 4,57  |
| 91222501   | SPA250-1    | 250 | 255,5 | 1       | 75  | 50 | 217 | 12 | 20 | 3    | 20     | 5,86  |
| 91222801   | SPA280-1    | 280 | 285,5 | 1       | 75  | 50 | 247 | 14 | 20 | 5    | 20     | 4,71  |
| 91223001   | SPA300-1    | 300 | 305,5 | 1       | 75  | 50 | 267 | 14 | 20 | 5    | 20     | 4,92  |
| 91223551   | SPA355-1    | 355 | 360,5 | 1       | 75  | 50 | 322 | 14 | 20 | 5    | 20     | 6,12  |
| 91224001   | SPA400-1    | 400 | 405,5 | 1       | 90  | 50 | 367 | 14 | 20 | 5    | 20     | 7,85  |
| 91224501   | SPA450-1    | 450 | 455,5 | 1       | 90  | 50 | 417 | 14 | 20 | 5    | 20     | 8,67  |
| 91225001   | SPA500-1    | 500 | 505,5 | 1       | 90  | 50 | 467 | 14 | 20 | 5    | 20     | 9,23  |
| 91225601   | SPA560-1    | 560 | 565,5 | 1       | 100 | 50 | 527 | 15 | 20 | 5    | 25     | 15,09 |
| 91226001   | SPA600-1    | 600 | 605,5 | 1       | 100 | 50 | 567 | 16 | 20 | 5    | 25     | 13,52 |



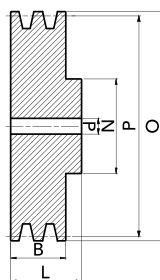


## SPA/2 TYPE

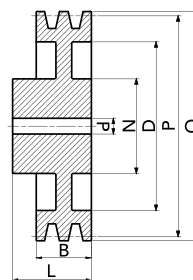
## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561

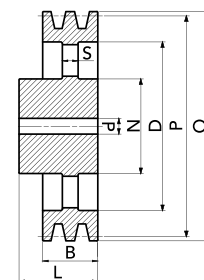
TYPE 1



TYPE 3



TYPE 5



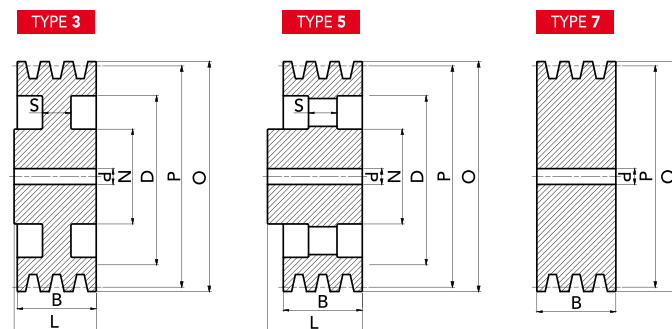
| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|----|------|--------|-------|
| 91220502   | SPA50-2     | 50  | 55,5  | 2       | 40  | 45 | -   | -  | 35 | 1    | 10     | 0,47  |
| 91220552   | SPA55-2     | 55  | 60,5  | 2       | 40  | 45 | -   | -  | 35 | 1    | 10     | 0,56  |
| 91220602   | SPA60-2     | 60  | 65,5  | 2       | 40  | 45 | -   | -  | 35 | 1    | 10     | 0,65  |
| 91220632   | SPA63-2     | 63  | 68,5  | 2       | 40  | 45 | -   | -  | 35 | 1    | 10     | 0,70  |
| 91220652   | SPA65-2     | 65  | 70,5  | 2       | 40  | 45 | -   | -  | 35 | 1    | 10     | 0,82  |
| 91220702   | SPA70-2     | 70  | 75,5  | 2       | 50  | 45 | -   | -  | 35 | 1    | 10     | 0,94  |
| 91220752   | SPA75-2     | 75  | 80,5  | 2       | 50  | 45 | -   | -  | 35 | 1    | 10     | 1,08  |
| 91220802   | SPA80-2     | 80  | 85,5  | 2       | 50  | 45 | -   | -  | 35 | 1    | 10     | 1,20  |
| 91220852   | SPA85-2     | 85  | 90,5  | 2       | 50  | 45 | -   | -  | 35 | 1    | 10     | 1,34  |
| 91220902   | SPA90-2     | 90  | 95,5  | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 1,56  |
| 91220952   | SPA95-2     | 95  | 100,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 1,74  |
| 91221002   | SPA100-2    | 100 | 105,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 1,90  |
| 91221052   | SPA105-2    | 105 | 110,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 2,12  |
| 91221122   | SPA112-2    | 112 | 117,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 2,38  |
| 91221202   | SPA120-2    | 120 | 125,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 2,85  |
| 91221252   | SPA125-2    | 125 | 130,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 2,97  |
| 91221302   | SPA130-2    | 130 | 135,5 | 2       | 60  | 45 | -   | -  | 35 | 1    | 15     | 3,24  |
| 91221402   | SPA140-2    | 140 | 145,5 | 2       | 60  | 45 | 107 | 10 | 35 | 3    | 15     | 2,62  |
| 91221502   | SPA150-2    | 150 | 155,5 | 2       | 60  | 45 | 117 | 10 | 35 | 3    | 15     | 2,94  |
| 91221602   | SPA160-2    | 160 | 165,5 | 2       | 60  | 45 | 127 | 10 | 35 | 3    | 15     | 3,07  |
| 91221702   | SPA170-2    | 170 | 175,5 | 2       | 60  | 45 | 137 | 10 | 35 | 3    | 20     | 3,40  |
| 91221802   | SPA180-2    | 180 | 185,5 | 2       | 70  | 50 | 147 | 12 | 35 | 3    | 20     | 4,11  |
| 91221902   | SPA190-2    | 190 | 195,5 | 2       | 70  | 50 | 157 | 12 | 35 | 3    | 20     | 4,47  |
| 91222002   | SPA200-2    | 200 | 205,5 | 2       | 70  | 50 | 167 | 12 | 35 | 3    | 20     | 4,69  |
| 91222252   | SPA225-2    | 225 | 230,5 | 2       | 70  | 50 | 193 | 12 | 35 | 3    | 20     | 5,71  |
| 91222502   | SPA250-2    | 250 | 255,5 | 2       | 75  | 50 | 217 | 12 | 35 | 3    | 20     | 6,79  |
| 91222802   | SPA280-2    | 280 | 285,5 | 2       | 80  | 50 | 247 | 14 | 35 | 5    | 20     | 6,16  |
| 91223002   | SPA300-2    | 300 | 305,5 | 2       | 80  | 50 | 267 | 14 | 35 | 5    | 20     | 6,73  |
| 91223152   | SPA315-2    | 315 | 320,5 | 2       | 80  | 50 | 282 | 14 | 35 | 5    | 20     | 7,08  |
| 91223552   | SPA355-2    | 355 | 360,5 | 2       | 80  | 50 | 322 | 14 | 35 | 5    | 20     | 8,05  |
| 91224002   | SPA400-2    | 400 | 405,5 | 2       | 90  | 50 | 367 | 14 | 35 | 5    | 20     | 9,54  |
| 91224502   | SPA450-2    | 450 | 455,5 | 2       | 100 | 50 | 417 | 14 | 35 | 5    | 25     | 11,67 |
| 91225002   | SPA500-2    | 500 | 505,5 | 2       | 100 | 50 | 467 | 16 | 35 | 5    | 25     | 13,78 |
| 91225602   | SPA560-2    | 560 | 565,5 | 2       | 100 | 50 | 527 | 18 | 35 | 5    | 25     | 17,40 |
| 91226002   | SPA600-2    | 600 | 605,5 | 2       | 100 | 50 | 567 | 20 | 35 | 5    | 25     | 21,80 |
| 91226302   | SPA630-2    | 630 | 635,5 | 2       | 110 | 50 | 597 | 18 | 35 | 5    | 25     | 22,40 |



# SPA/3 TYPE

## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561



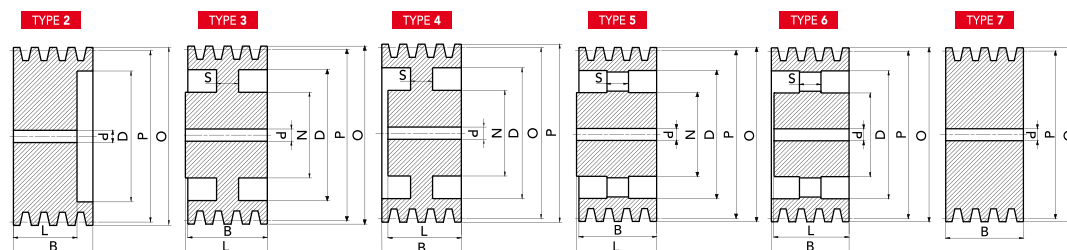
| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|----|------|--------|-------|
| 91220603   | SPA60-3     | 60  | 65,5  | 3       | -   | -  | -   | -  | 50 | 7    | 10     | 0,79  |
| 91220633   | SPA63-3     | 63  | 68,5  | 3       | -   | -  | -   | -  | 50 | 7    | 10     | 0,90  |
| 91220653   | SPA65-3     | 65  | 70,5  | 3       | -   | -  | -   | -  | 50 | 7    | 10     | 0,95  |
| 91220703   | SPA70-3     | 70  | 75,5  | 3       | -   | -  | -   | -  | 50 | 7    | 10     | 1,10  |
| 91220753   | SPA75-3     | 75  | 80,5  | 3       | -   | -  | -   | -  | 50 | 7    | 10     | 1,29  |
| 91220803   | SPA80-3     | 80  | 85,5  | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 1,50  |
| 91220853   | SPA85-3     | 85  | 90,5  | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 1,69  |
| 91220903   | SPA90-3     | 90  | 95,5  | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 1,90  |
| 91220953   | SPA95-3     | 95  | 100,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 2,18  |
| 91221003   | SPA100-3    | 100 | 105,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 2,42  |
| 91221053   | SPA105-3    | 105 | 110,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 2,66  |
| 91221123   | SPA112-3    | 112 | 117,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 3,08  |
| 91221203   | SPA120-3    | 120 | 125,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 3,64  |
| 91221253   | SPA125-3    | 125 | 130,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 3,94  |
| 91221303   | SPA130-3    | 130 | 135,5 | 3       | -   | -  | -   | -  | 50 | 7    | 15     | 4,33  |
| 91221403   | SPA140-3    | 140 | 145,5 | 3       | 65  | 52 | 107 | 18 | 50 | 3    | 20     | 3,55  |
| 91221503   | SPA150-3    | 150 | 155,5 | 3       | 65  | 52 | 117 | 18 | 50 | 3    | 20     | 4,18  |
| 91221603   | SPA160-3    | 160 | 165,5 | 3       | 70  | 52 | 127 | 18 | 50 | 3    | 20     | 4,21  |
| 91221703   | SPA170-3    | 170 | 175,5 | 3       | 70  | 52 | 137 | 18 | 50 | 3    | 20     | 4,56  |
| 91221803   | SPA180-3    | 180 | 185,5 | 3       | 70  | 52 | 147 | 12 | 50 | 3    | 20     | 4,91  |
| 91222003   | SPA200-3    | 200 | 205,5 | 3       | 70  | 52 | 167 | 12 | 50 | 3    | 20     | 5,56  |
| 91222253   | SPA225-3    | 225 | 230,5 | 3       | 80  | 52 | 193 | 12 | 50 | 3    | 20     | 6,87  |
| 91222503   | SPA250-3    | 250 | 255,5 | 3       | 80  | 60 | 217 | 12 | 50 | 3    | 20     | 8,15  |
| 91222803   | SPA280-3    | 280 | 285,5 | 3       | 80  | 60 | 247 | 14 | 50 | 5    | 20     | 7,68  |
| 91223003   | SPA300-3    | 300 | 305,5 | 3       | 80  | 60 | 267 | 14 | 50 | 5    | 20     | 8,65  |
| 91223553   | SPA355-3    | 355 | 360,5 | 3       | 90  | 60 | 322 | 14 | 50 | 5    | 20     | 11,50 |
| 91224003   | SPA400-3    | 400 | 405,5 | 3       | 100 | 60 | 367 | 16 | 50 | 5    | 25     | 13,41 |
| 91224503   | SPA450-3    | 450 | 455,5 | 3       | 100 | 60 | 417 | 16 | 50 | 5    | 25     | 15,14 |
| 91225003   | SPA500-3    | 500 | 505,5 | 3       | 105 | 60 | 467 | 20 | 50 | 5    | 25     | 18,95 |
| 91225603   | SPA560-3    | 560 | 565,5 | 3       | 120 | 65 | 527 | 20 | 50 | 5    | 25     | 22,94 |
| 91226003   | SPA600-3    | 600 | 605,5 | 3       | 104 | 65 | 567 | 22 | 50 | 5    | 25     | 27,85 |
| 91226303   | SPA630-3    | 630 | 635,5 | 3       | 120 | 65 | 597 | 20 | 50 | 5    | 25     | 29,34 |



## SPA/4 TYPE

## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561



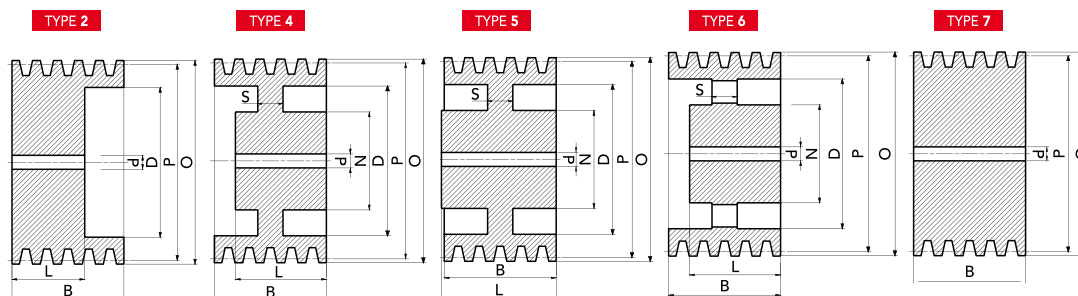
| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|----|------|--------|-------|
| 91220704   | SPA70-4     | 70  | 75,5  | 4       | -   | -  | -   | -  | 65 | 7    | 10     | 1,45  |
| 91220754   | SPA75-4     | 75  | 80,5  | 4       | -   | -  | -   | -  | 65 | 7    | 10     | 1,66  |
| 91220804   | SPA80-4     | 80  | 85,5  | 4       | -   | -  | -   | -  | 65 | 7    | 15     | 1,89  |
| 91220854   | SPA85-4     | 85  | 90,5  | 4       | -   | -  | -   | -  | 65 | 7    | 15     | 2,19  |
| 91220904   | SPA90-4     | 90  | 95,5  | 4       | -   | -  | -   | -  | 65 | 7    | 15     | 2,47  |
| 91220954   | SPA95-4     | 95  | 100,5 | 4       | -   | -  | -   | -  | 65 | 7    | 15     | 2,75  |
| 91221004   | SPA100-4    | 100 | 105,5 | 4       | -   | 52 | 67  | -  | 65 | 2    | 15     | 3,11  |
| 91221054   | SPA105-4    | 105 | 110,5 | 4       | -   | 52 | 72  | -  | 65 | 2    | 15     | 3,09  |
| 91221124   | SPA112-4    | 112 | 117,5 | 4       | -   | 52 | 79  | -  | 65 | 2    | 15     | 3,58  |
| 91221204   | SPA120-4    | 120 | 125,5 | 4       | -   | 52 | 87  | -  | 65 | 2    | 15     | 4,12  |
| 91221254   | SPA125-4    | 125 | 130,5 | 4       | -   | 52 | 97  | -  | 65 | 2    | 15     | 4,48  |
| 91221304   | SPA130-4    | 130 | 135,5 | 4       | -   | 52 | 97  | -  | 65 | 2    | 15     | 4,87  |
| 91221404   | SPA140-4    | 140 | 145,5 | 4       | -   | 52 | 107 | -  | 65 | 2    | 20     | 5,62  |
| 91221504   | SPA150-4    | 150 | 155,5 | 4       | -   | 52 | 117 | -  | 65 | 2    | 20     | 6,67  |
| 91221604   | SPA160-4    | 160 | 165,5 | 4       | 70  | 52 | 127 | 18 | 65 | 4    | 20     | 5,09  |
| 91221704   | SPA170-4    | 170 | 175,5 | 4       | 80  | 52 | 137 | 18 | 65 | 4    | 20     | 5,81  |
| 91221804   | SPA180-4    | 180 | 185,5 | 4       | 80  | 60 | 147 | 18 | 65 | 4    | 20     | 6,62  |
| 91222004   | SPA200-4    | 200 | 205,5 | 4       | 80  | 60 | 167 | 18 | 65 | 4    | 20     | 7,56  |
| 91222254   | SPA225-4    | 225 | 230,5 | 4       | 90  | 60 | 192 | 18 | 65 | 4    | 20     | 9,36  |
| 91222504   | SPA250-4    | 250 | 255,5 | 4       | 90  | 65 | 217 | 18 | 65 | 3    | 20     | 10,96 |
| 91222804   | SPA280-4    | 280 | 285,5 | 4       | 90  | 65 | 247 | 16 | 65 | 5    | 20     | 9,67  |
| 91223004   | SPA300-4    | 300 | 305,5 | 4       | 90  | 65 | 267 | 16 | 65 | 5    | 20     | 10,69 |
| 91223554   | SPA355-4    | 355 | 360,5 | 4       | 90  | 65 | 322 | 16 | 65 | 5    | 25     | 14,71 |
| 91224004   | SPA400-4    | 400 | 405,5 | 4       | 100 | 65 | 367 | 20 | 65 | 5    | 25     | 16,00 |
| 91224504   | SPA450-4    | 450 | 455,5 | 4       | 105 | 65 | 417 | 20 | 65 | 6    | 25     | 19,64 |
| 91225004   | SPA500-4    | 500 | 505,5 | 4       | 105 | 65 | 467 | 20 | 65 | 6    | 25     | 24,05 |
| 91225604   | SPA560-4    | 560 | 565,5 | 4       | 120 | 65 | 527 | 22 | 65 | 5    | 25     | 25,94 |
| 91226004   | SPA600-4    | 600 | 605,5 | 4       | 120 | 65 | 567 | 25 | 65 | 5    | 25     | 29,70 |
| 91226304   | SPA630-4    | 630 | 635,5 | 4       | 120 | 65 | 597 | 22 | 65 | 5    | 25     | 34,10 |



## SPA/5 TYPE

## SOLID HUB

MATERIAL  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|----|------|--------|-------|
| 91220705   | SPA70-5     | 70  | 75,5  | 5       | -   | -  | -   | -  | 80 | 7    | 10     | 1,76  |
| 91220755   | SPA75-5     | 75  | 80,5  | 5       | -   | -  | -   | -  | 80 | 7    | 10     | 2,00  |
| 91220805   | SPA80-5     | 80  | 85,5  | 5       | -   | -  | -   | -  | 80 | 7    | 15     | 2,32  |
| 91220855   | SPA85-5     | 85  | 90,5  | 5       | -   | -  | -   | -  | 80 | 7    | 15     | 2,69  |
| 91220905   | SPA90-5     | 90  | 95,5  | 5       | -   | -  | -   | -  | 80 | 7    | 15     | 2,96  |
| 91220955   | SPA95-5     | 95  | 100,5 | 5       | -   | -  | -   | -  | 80 | 7    | 15     | 3,35  |
| 91221005   | SPA100-5    | 100 | 105,5 | 5       | -   | 52 | 67  | -  | 80 | 2    | 15     | 3,07  |
| 91221055   | SPA105-5    | 105 | 110,5 | 5       | -   | 52 | 72  | -  | 80 | 2    | 15     | 3,40  |
| 91221125   | SPA112-5    | 112 | 117,5 | 5       | -   | 52 | 79  | -  | 80 | 2    | 15     | 3,90  |
| 91221205   | SPA120-5    | 120 | 125,5 | 5       | -   | 52 | 87  | -  | 80 | 2    | 15     | 4,54  |
| 91221305   | SPA130-5    | 130 | 135,5 | 5       | -   | 52 | 97  | -  | 80 | 2    | 15     | 5,25  |
| 91221405   | SPA140-5    | 140 | 145,5 | 5       | -   | 52 | 107 | -  | 80 | 2    | 20     | 6,10  |
| 91221505   | SPA150-5    | 150 | 155,5 | 5       | -   | 52 | 117 | -  | 80 | 2    | 20     | 7,34  |
| 91221605   | SPA160-5    | 160 | 165,5 | 5       | 80  | 52 | 127 | 22 | 80 | 4    | 20     | 5,76  |
| 91221705   | SPA170-5    | 170 | 175,5 | 5       | 80  | 52 | 137 | 18 | 80 | 4    | 20     | 6,50  |
| 91221805   | SPA180-5    | 180 | 185,5 | 5       | 80  | 65 | 147 | 22 | 80 | 4    | 20     | 7,70  |
| 91222005   | SPA200-5    | 200 | 205,5 | 5       | 80  | 65 | 167 | 20 | 80 | 4    | 20     | 8,47  |
| 91222255   | SPA225-5    | 225 | 230,5 | 5       | 90  | 65 | 192 | 20 | 80 | 4    | 20     | 10,58 |
| 91222505   | SPA250-5    | 250 | 255,5 | 5       | 90  | 65 | 217 | 20 | 80 | 4    | 20     | 12,23 |
| 91222805   | SPA280-5    | 280 | 285,5 | 5       | 100 | 65 | 247 | 18 | 80 | 6    | 25     | 11,59 |
| 91223005   | SPA300-5    | 300 | 305,5 | 5       | 100 | 65 | 267 | 18 | 80 | 6    | 25     | 12,92 |
| 91223555   | SPA355-5    | 355 | 360,5 | 5       | 100 | 65 | 322 | 18 | 80 | 6    | 25     | 16,64 |
| 91224005   | SPA400-5    | 400 | 405,5 | 5       | 100 | 65 | 367 | 22 | 80 | 6    | 25     | 18,70 |
| 91224505   | SPA450-5    | 450 | 455,5 | 5       | 105 | 65 | 417 | 22 | 80 | 6    | 25     | 21,88 |
| 91225005   | SPA500-5    | 500 | 505,5 | 5       | 110 | 65 | 467 | 22 | 80 | 6    | 25     | 26,57 |
| 91225605   | SPA560-5    | 560 | 565,5 | 5       | 120 | 80 | 527 | 24 | 80 | 5    | 25     | 33,45 |
| 91226005   | SPA600-5    | 600 | 605,5 | 5       | 120 | 80 | 567 | 26 | 80 | 5    | 25     | 36,40 |
| 91226305   | SPA630-5    | 630 | 635,5 | 5       | 120 | 80 | 597 | 24 | 80 | 5    | 25     | 39,60 |



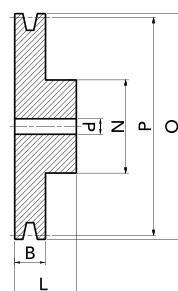


# SPB/1 TYPE

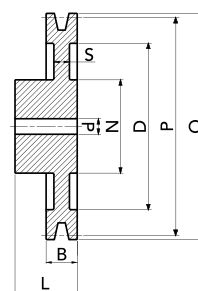
## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561

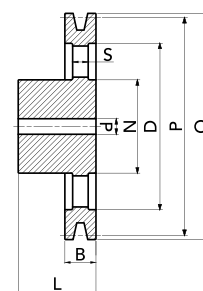
TYPE 1



TYPE 3



TYPE 5



| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|----|-----|----|----|------|--------|-------|
| 91320701   | SPB70-1     | 70  | 77  | 1       | 45  | 45 | -   | -  | 25 | 1    | 10     | 0,80  |
| 91320801   | SPB80-1     | 80  | 87  | 1       | 50  | 45 | -   | -  | 25 | 1    | 10     | 1,04  |
| 91320901   | SPB90-1     | 90  | 97  | 1       | 50  | 45 | -   | -  | 25 | 1    | 10     | 1,27  |
| 91321001   | SPB100-1    | 100 | 107 | 1       | 52  | 45 | -   | -  | 25 | 1    | 10     | 1,53  |
| 91321121   | SPB112-1    | 112 | 119 | 1       | 55  | 45 | -   | -  | 25 | 1    | 15     | 1,90  |
| 91321201   | SPB120-1    | 120 | 127 | 1       | 55  | 45 | -   | -  | 25 | 1    | 15     | 2,17  |
| 91321251   | SPB125-1    | 125 | 132 | 1       | 58  | 45 | -   | -  | 25 | 1    | 15     | 2,34  |
| 91321301   | SPB130-1    | 130 | 137 | 1       | 60  | 45 | -   | -  | 25 | 1    | 15     | 2,55  |
| 91321401   | SPB140-1    | 140 | 147 | 1       | 65  | 45 | -   | -  | 25 | 1    | 20     | 3,00  |
| 91321501   | SPB150-1    | 150 | 157 | 1       | 65  | 45 | -   | -  | 25 | 1    | 20     | 3,38  |
| 91321601   | SPB160-1    | 160 | 167 | 1       | 65  | 45 | 118 | 12 | 25 | 3    | 20     | 2,95  |
| 91321701   | SPB170-1    | 170 | 177 | 1       | 65  | 45 | 128 | 12 | 25 | 3    | 20     | 3,20  |
| 91321801   | SPB180-1    | 180 | 187 | 1       | 65  | 45 | 138 | 12 | 25 | 3    | 20     | 3,40  |
| 91322001   | SPB200-1    | 200 | 207 | 1       | 70  | 45 | 158 | 14 | 25 | 3    | 20     | 4,10  |
| 91322121   | SPB212-1    | 212 | 219 | 1       | 70  | 45 | 170 | 14 | 25 | 3    | 20     | 4,84  |
| 91322251   | SPB225-1    | 225 | 232 | 1       | 70  | 45 | 184 | 14 | 25 | 3    | 20     | 5,39  |
| 91322501   | SPB250-1    | 250 | 257 | 1       | 70  | 50 | 208 | 14 | 25 | 3    | 20     | 6,56  |
| 91322801   | SPB280-1    | 280 | 287 | 1       | 76  | 50 | 238 | 14 | 25 | 3    | 20     | 5,84  |
| 91323001   | SPB300-1    | 300 | 307 | 1       | 76  | 50 | 258 | 15 | 25 | 5    | 20     | 5,50  |
| 91323151   | SPB315-1    | 315 | 322 | 1       | 76  | 50 | 273 | 15 | 25 | 5    | 20     | 6,32  |
| 91323401   | SPB340-1    | 340 | 347 | 1       | 80  | 50 | 298 | 15 | 25 | 5    | 20     | 8,29  |
| 91323551   | SPB355-1    | 355 | 362 | 1       | 80  | 50 | 313 | 15 | 25 | 5    | 20     | 7,50  |
| 91323801   | SPB380-1    | 380 | 387 | 1       | 85  | 55 | 338 | 18 | 25 | 5    | 20     | 11,32 |
| 91324001   | SPB400-1    | 400 | 407 | 1       | 85  | 55 | 358 | 18 | 25 | 5    | 20     | 10,6  |
| 91324501   | SPB450-1    | 450 | 457 | 1       | 90  | 60 | 408 | 18 | 25 | 5    | 20     | 12,0  |
| 91325001   | SPB500-1    | 500 | 507 | 1       | 100 | 60 | 458 | 18 | 25 | 5    | 25     | 14,5  |
| 91325601   | SPB560-1    | 560 | 567 | 1       | 100 | 60 | 518 | 18 | 25 | 5    | 25     | 17,0  |
| 91326001   | SPB600-1    | 600 | 607 | 1       | 100 | 60 | 558 | 18 | 25 | 5    | 25     | 20,00 |
| 91326301   | SPB630-1    | 630 | 637 | 1       | 100 | 60 | 588 | 18 | 25 | 5    | 25     | 20,00 |

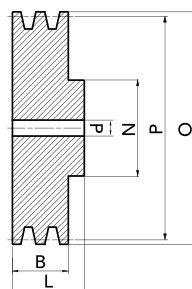


# SPB/2 TYPE

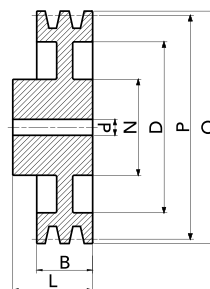
## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561

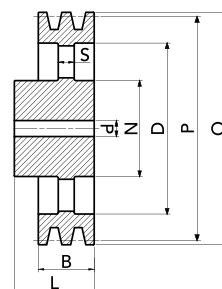
TYPE 1



TYPE 3



TYPE 5



| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|----|-----|----|----|------|--------|-------|
| 91320702   | SPB70-2     | 70  | 77  | 2       | 45  | 55 | -   | -  | 44 | 1    | 10     | 1,05  |
| 91320802   | SPB80-2     | 80  | 87  | 2       | 50  | 55 | -   | -  | 44 | 1    | 10     | 1,41  |
| 91320902   | SPB90-2     | 90  | 97  | 2       | 50  | 55 | -   | -  | 44 | 1    | 10     | 1,80  |
| 91321002   | SPB100-2    | 100 | 107 | 2       | 55  | 55 | -   | -  | 44 | 1    | 15     | 2,22  |
| 91321122   | SPB112-2    | 112 | 119 | 2       | 60  | 55 | -   | -  | 44 | 1    | 15     | 2,85  |
| 91321202   | SPB120-2    | 120 | 127 | 2       | 60  | 55 | -   | -  | 44 | 1    | 15     | 3,24  |
| 91321252   | SPB125-2    | 125 | 132 | 2       | 60  | 55 | -   | -  | 44 | 1    | 15     | 3,54  |
| 91321302   | SPB130-2    | 130 | 137 | 2       | 60  | 55 | -   | -  | 44 | 1    | 15     | 3,83  |
| 91321402   | SPB140-2    | 140 | 147 | 2       | 65  | 55 | -   | -  | 44 | 1    | 20     | 4,51  |
| 91321502   | SPB150-2    | 150 | 157 | 2       | 65  | 55 | -   | -  | 44 | 1    | 20     | 5,19  |
| 91321602   | SPB160-2    | 160 | 167 | 2       | 70  | 55 | 118 | 12 | 44 | 3    | 20     | 4,13  |
| 91321702   | SPB170-2    | 170 | 177 | 2       | 70  | 55 | 128 | 12 | 44 | 3    | 20     | 4,49  |
| 91321802   | SPB180-2    | 180 | 187 | 2       | 70  | 55 | 138 | 12 | 44 | 3    | 20     | 4,62  |
| 91322002   | SPB200-2    | 200 | 207 | 2       | 70  | 55 | 158 | 12 | 44 | 3    | 20     | 5,57  |
| 91322122   | SPB212-2    | 212 | 219 | 2       | 77  | 55 | 170 | 14 | 44 | 3    | 20     | 6,71  |
| 91322252   | SPB225-2    | 225 | 232 | 2       | 77  | 55 | 184 | 14 | 44 | 3    | 20     | 6,87  |
| 91322502   | SPB250-2    | 250 | 257 | 2       | 77  | 55 | 208 | 14 | 44 | 3    | 20     | 8,10  |
| 91322802   | SPB280-2    | 280 | 287 | 2       | 80  | 55 | 238 | 14 | 44 | 3    | 20     | 8,65  |
| 91323002   | SPB300-2    | 300 | 307 | 2       | 80  | 55 | 258 | 15 | 44 | 5    | 20     | 8,20  |
| 91323152   | SPB315-2    | 315 | 322 | 2       | 88  | 60 | 273 | 15 | 44 | 5    | 20     | 9,23  |
| 91323402   | SPB340-2    | 340 | 347 | 2       | 88  | 60 | 298 | 15 | 44 | 5    | 20     | 12,68 |
| 91323552   | SPB355-2    | 355 | 362 | 2       | 88  | 60 | 313 | 15 | 44 | 5    | 20     | 11,27 |
| 91323802   | SPB380-2    | 380 | 387 | 2       | 88  | 60 | 338 | 15 | 44 | 5    | 20     | 13,32 |
| 91324002   | SPB400-2    | 400 | 407 | 2       | 88  | 60 | 358 | 18 | 44 | 5    | 20     | 13,45 |
| 91324502   | SPB450-2    | 450 | 457 | 2       | 90  | 60 | 408 | 18 | 44 | 5    | 20     | 15,00 |
| 91325002   | SPB500-2    | 500 | 507 | 2       | 100 | 65 | 458 | 20 | 44 | 5    | 25     | 18,50 |
| 91325602   | SPB560-2    | 560 | 567 | 2       | 100 | 65 | 518 | 20 | 44 | 5    | 25     | 23,50 |
| 91326002   | SPB600-2    | 600 | 607 | 2       | 100 | 65 | 558 | 20 | 44 | 5    | 25     | 25,50 |
| 91326302   | SPB630-2    | 630 | 637 | 2       | 100 | 65 | 588 | 20 | 44 | 5    | 25     | 31,50 |



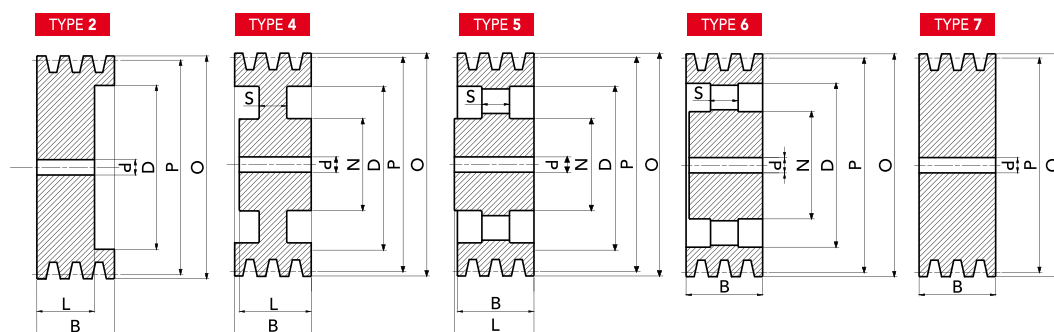




## SPB/3 TYPE

## SOLID HUB

MATERIAL  
CAST-IRON G20/25 EN 1561



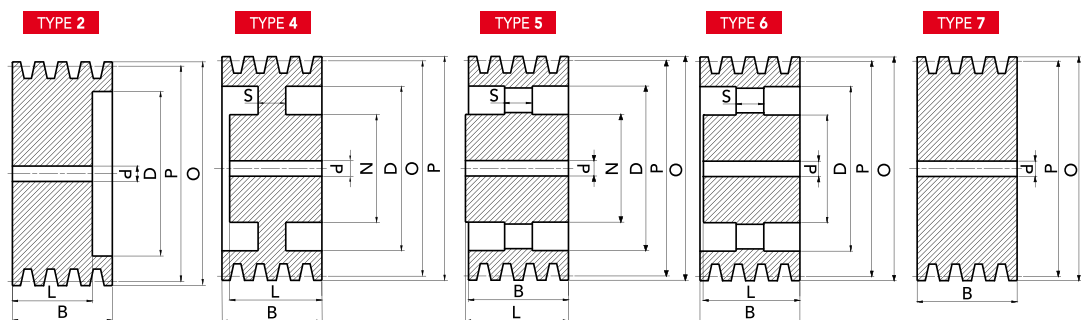
| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|----|-----|----|----|------|--------|-------|
| 91320603   | SPB60-3     | 60  | 67  | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 1,03  |
| 91320703   | SPB70-3     | 70  | 77  | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 1,40  |
| 91320803   | SPB80-3     | 80  | 87  | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 1,77  |
| 91320903   | SPB90-3     | 90  | 97  | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 2,30  |
| 91321003   | SPB100-3    | 100 | 107 | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 2,87  |
| 91321123   | SPB112-3    | 112 | 119 | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 3,59  |
| 91321203   | SPB120-3    | 120 | 127 | 3       | -   | -  | -   | -  | 63 | 7    | 15     | 4,30  |
| 91321253   | SPB125-3    | 125 | 132 | 3       | -   | 60 | 83  | -  | 63 | 2    | 15     | 4,61  |
| 91321303   | SPB130-3    | 130 | 137 | 3       | -   | 60 | 86  | -  | 63 | 2    | 15     | 5,00  |
| 91321403   | SPB140-3    | 140 | 147 | 3       | -   | 60 | 98  | -  | 63 | 2    | 20     | 5,75  |
| 91321503   | SPB150-3    | 150 | 157 | 3       | -   | 60 | 108 | -  | 63 | 2    | 20     | 6,76  |
| 91321603   | SPB160-3    | 160 | 167 | 3       | -   | 60 | 118 | -  | 63 | 2    | 20     | 7,73  |
| 91321703   | SPB170-3    | 170 | 177 | 3       | 70  | 60 | 128 | 30 | 63 | 4    | 20     | 8,76  |
| 91321803   | SPB180-3    | 180 | 187 | 3       | 80  | 60 | 138 | 18 | 63 | 4    | 20     | 6,60  |
| 91322003   | SPB200-3    | 200 | 207 | 3       | 80  | 60 | 158 | 18 | 63 | 4    | 20     | 8,03  |
| 91322123   | SPB212-3    | 212 | 219 | 3       | 80  | 60 | 170 | 18 | 63 | 4    | 20     | 9,25  |
| 91322253   | SPB225-3    | 225 | 232 | 3       | 80  | 60 | 184 | 18 | 63 | 4    | 20     | 9,55  |
| 91322503   | SPB250-3    | 250 | 257 | 3       | 80  | 60 | 208 | 18 | 63 | 4    | 20     | 11,37 |
| 91322803   | SPB280-3    | 280 | 287 | 3       | 90  | 60 | 238 | 18 | 63 | 4    | 20     | 11,09 |
| 91323003   | SPB300-3    | 300 | 307 | 3       | 90  | 60 | 258 | 18 | 63 | 6    | 20     | 11,40 |
| 91323153   | SPB315-3    | 315 | 322 | 3       | 90  | 60 | 273 | 18 | 63 | 6    | 20     | 12,11 |
| 91323403   | SPB340-3    | 340 | 347 | 3       | 92  | 60 | 298 | 18 | 63 | 6    | 25     | 14,14 |
| 91323553   | SPB355-3    | 355 | 362 | 3       | 92  | 60 | 313 | 18 | 63 | 6    | 25     | 14,95 |
| 91323803   | SPB380-3    | 380 | 387 | 3       | 96  | 65 | 338 | 22 | 63 | 6    | 25     | 17,40 |
| 91324003   | SPB400-3    | 400 | 407 | 3       | 96  | 65 | 358 | 22 | 63 | 5    | 25     | 19,51 |
| 91324253   | SPB425-3    | 425 | 432 | 3       | 96  | 65 | 383 | 22 | 63 | 5    | 20     | 20,42 |
| 91324503   | SPB450-3    | 450 | 457 | 3       | 96  | 65 | 408 | 22 | 63 | 5    | 25     | 21,00 |
| 91325003   | SPB500-3    | 500 | 507 | 3       | 104 | 75 | 458 | 24 | 63 | 5    | 25     | 23,00 |
| 91325603   | SPB560-3    | 560 | 567 | 3       | 104 | 75 | 518 | 24 | 63 | 5    | 25     | 28,50 |
| 91326003   | SPB600-3    | 600 | 607 | 3       | 104 | 75 | 558 | 24 | 63 | 5    | 25     | 34,00 |
| 91326303   | SPB630-3    | 637 | 637 | 3       | 105 | 75 | 588 | 26 | 63 | 5    | 25     | 36,00 |



# SPB/4 TYPE

## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|----|-----|----|----|------|--------|-------|
| 91320704   | SPB70-4     | 70  | 77  | 4       | -   | -  | -   | -  | 82 | 7    | 15     | 1,68  |
| 91320804   | SPB80-4     | 80  | 87  | 4       | -   | -  | -   | -  | 82 | 7    | 15     | 2,28  |
| 91320904   | SPB90-4     | 90  | 97  | 4       | -   | -  | -   | -  | 82 | 7    | 15     | 2,95  |
| 91321004   | SPB100-4    | 100 | 107 | 4       | -   | -  | -   | -  | 82 | 7    | 15     | 3,70  |
| 91321124   | SPB112-4    | 112 | 119 | 4       | -   | -  | -   | -  | 82 | 7    | 20     | 4,70  |
| 91321204   | SPB120-4    | 120 | 127 | 4       | -   | -  | -   | -  | 82 | 7    | 20     | 5,59  |
| 91321254   | SPB125-4    | 125 | 132 | 4       | -   | 60 | 83  | -  | 82 | 2    | 20     | 5,04  |
| 91321304   | SPB130-4    | 130 | 137 | 4       | -   | 60 | 88  | -  | 82 | 2    | 20     | 5,67  |
| 91321404   | SPB140-4    | 140 | 147 | 4       | -   | 60 | 98  | -  | 82 | 2    | 20     | 6,60  |
| 91321504   | SPB150-4    | 150 | 157 | 4       | -   | 60 | 108 | -  | 82 | 2    | 20     | 7,49  |
| 91321604   | SPB160-4    | 160 | 167 | 4       | -   | 60 | 118 | -  | 82 | 2    | 20     | 8,60  |
| 91321704   | SPB170-4    | 170 | 177 | 4       | 70  | 60 | 128 | 30 | 82 | 4    | 20     | 9,35  |
| 91321804   | SPB180-4    | 180 | 187 | 4       | 80  | 60 | 138 | 30 | 82 | 4    | 20     | 10,85 |
| 91322004   | SPB200-4    | 200 | 207 | 4       | 88  | 60 | 158 | 25 | 82 | 4    | 20     | 9,80  |
| 91322124   | SPB212-4    | 212 | 219 | 4       | 88  | 60 | 170 | 25 | 82 | 4    | 20     | 10,53 |
| 91322254   | SPB225-4    | 225 | 232 | 4       | 88  | 60 | 184 | 25 | 82 | 4    | 20     | 11,87 |
| 91322364   | SPB236-4    | 236 | 243 | 4       | 88  | 60 | 194 | 25 | 82 | 4    | 20     | 125,6 |
| 91322504   | SPB250-4    | 250 | 257 | 4       | 96  | 65 | 208 | 25 | 82 | 4    | 25     | 14,42 |
| 91322804   | SPB280-4    | 280 | 287 | 4       | 96  | 65 | 238 | 25 | 82 | 4    | 25     | 13,88 |
| 91323004   | SPB300-4    | 300 | 307 | 4       | 96  | 65 | 258 | 20 | 82 | 6    | 25     | 14,71 |
| 91323154   | SPB315-4    | 315 | 322 | 4       | 96  | 65 | 273 | 20 | 82 | 6    | 25     | 15,07 |
| 91323404   | SPB340-4    | 340 | 347 | 4       | 96  | 65 | 298 | 20 | 82 | 6    | 25     | 17,65 |
| 91323554   | SPB355-4    | 355 | 362 | 4       | 96  | 65 | 313 | 20 | 82 | 6    | 25     | 17,22 |
| 91323804   | SPB380-4    | 380 | 387 | 4       | 104 | 75 | 338 | 24 | 82 | 6    | 25     | 21,98 |
| 91324004   | SPB400-4    | 400 | 407 | 4       | 104 | 75 | 358 | 24 | 82 | 6    | 25     | 22,91 |
| 91324254   | SPB425-4    | 425 | 432 | 4       | 104 | 75 | 383 | 24 | 82 | 6    | 25     | 25,50 |
| 91324504   | SPB450-4    | 450 | 457 | 4       | 104 | 75 | 408 | 24 | 82 | 6    | 25     | 25,00 |
| 91325004   | SPB500-4    | 500 | 507 | 4       | 112 | 85 | 458 | 28 | 82 | 5    | 25     | 30,50 |
| 91325604   | SPB560-4    | 560 | 567 | 4       | 112 | 85 | 518 | 28 | 82 | 5    | 25     | 36,00 |
| 91326004   | SPB600-4    | 600 | 607 | 4       | 115 | 85 | 558 | 28 | 82 | 5    | 25     | 41,00 |
| 91326304   | SPB630-4    | 630 | 637 | 4       | 120 | 85 | 588 | 28 | 82 | 5    | 25     | 41,00 |

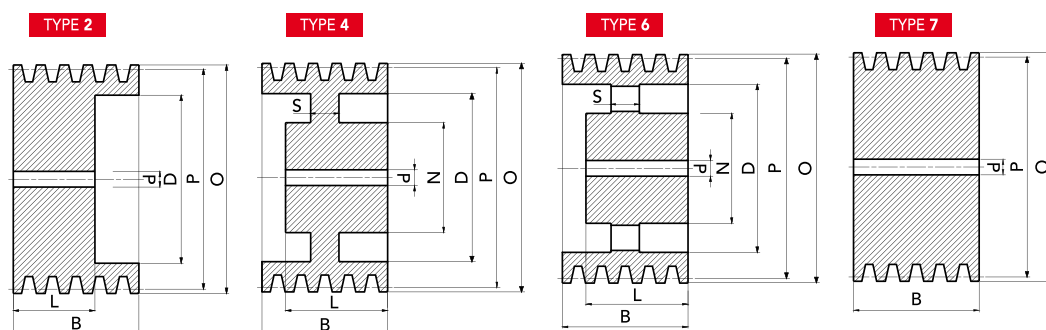




## SPB/5 TYPE

## SOLID HUB

MATERIAL  
CAST-IRON G20/25 EN 1561



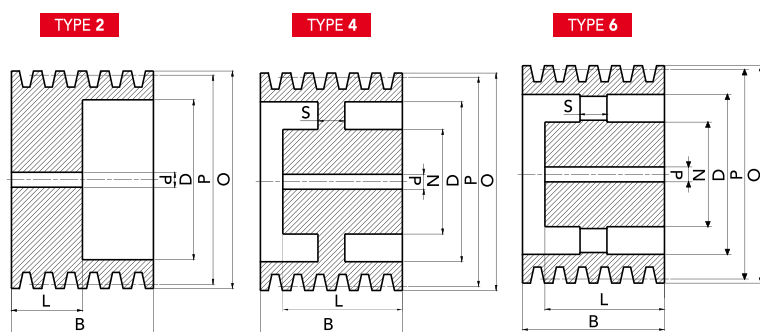
| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L  | D   | S  | B   | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|----|-----|----|-----|------|--------|-------|
| 91320705   | SPB70-5     | 70  | 77  | 5       | -   | -  | -   | -  | 101 | 7    | 15     | 2,00  |
| 91320805   | SPB80-5     | 80  | 87  | 5       | -   | -  | -   | -  | 101 | 7    | 15     | 2,74  |
| 91320905   | SPB90-5     | 90  | 97  | 5       | -   | -  | -   | -  | 101 | 7    | 15     | 3,64  |
| 91321005   | SPB100-5    | 100 | 107 | 5       | -   | -  | -   | -  | 101 | 7    | 15     | 4,55  |
| 91321125   | SPB112-5    | 112 | 119 | 5       | -   | -  | -   | -  | 101 | 7    | 20     | 5,81  |
| 91321205   | SPB120-5    | 120 | 127 | 5       | -   | -  | -   | -  | 101 | 7    | 20     | 6,79  |
| 91321255   | SPB125-5    | 125 | 132 | 5       | -   | 60 | 83  | -  | 101 | 2    | 20     | 5,80  |
| 91321305   | SPB130-5    | 130 | 137 | 5       | -   | 60 | 88  | -  | 101 | 2    | 20     | 6,35  |
| 91321405   | SPB140-5    | 140 | 147 | 5       | -   | 60 | 98  | -  | 101 | 2    | 20     | 7,28  |
| 91321505   | SPB150-5    | 150 | 157 | 5       | -   | 60 | 108 | -  | 101 | 2    | 20     | 8,27  |
| 91321605   | SPB160-5    | 160 | 167 | 5       | -   | 60 | 118 | -  | 101 | 2    | 20     | 9,37  |
| 91321705   | SPB170-5    | 170 | 177 | 5       | 70  | 60 | 128 | 30 | 101 | 4    | 20     | 10,56 |
| 91321805   | SPB180-5    | 180 | 187 | 5       | 80  | 70 | 138 | 30 | 101 | 4    | 20     | 12,90 |
| 91322005   | SPB200-5    | 200 | 207 | 5       | 96  | 70 | 158 | 30 | 101 | 4    | 25     | 11,88 |
| 91322125   | SPB212-5    | 212 | 219 | 5       | 96  | 70 | 170 | 30 | 101 | 4    | 25     | 13,04 |
| 91322255   | SPB225-5    | 225 | 232 | 5       | 96  | 70 | 183 | 25 | 101 | 4    | 25     | 12,04 |
| 91322505   | SPB250-5    | 250 | 257 | 5       | 104 | 75 | 208 | 25 | 101 | 4    | 25     | 17,00 |
| 91322805   | SPB280-5    | 280 | 287 | 5       | 104 | 75 | 238 | 25 | 101 | 4    | 25     | 20,05 |
| 91323005   | SPB300-5    | 300 | 307 | 5       | 104 | 75 | 258 | 22 | 101 | 6    | 25     | 19,31 |
| 91323155   | SPB315-5    | 315 | 322 | 5       | 104 | 75 | 273 | 22 | 101 | 6    | 25     | 18,26 |
| 91323405   | SPB340-5    | 340 | 347 | 5       | 104 | 75 | 298 | 22 | 101 | 6    | 25     | 20,66 |
| 91323555   | SPB355-5    | 355 | 362 | 5       | 104 | 75 | 313 | 22 | 101 | 6    | 25     | 21,39 |
| 91323805   | SPB380-5    | 380 | 387 | 5       | 112 | 85 | 338 | 24 | 101 | 6    | 25     | 25,49 |
| 91324005   | SPB400-5    | 400 | 407 | 5       | 112 | 85 | 358 | 26 | 101 | 6    | 25     | 26,38 |
| 91324255   | SPB425-5    | 425 | 432 | 5       | 112 | 85 | 383 | 26 | 101 | 6    | 25     | 29,50 |
| 91324505   | SPB450-5    | 450 | 457 | 5       | 112 | 85 | 408 | 26 | 101 | 6    | 25     | 31,50 |
| 91325005   | SPB500-5    | 500 | 507 | 5       | 120 | 90 | 458 | 30 | 101 | 6    | 25     | 35,00 |
| 91325605   | SPB560-5    | 560 | 567 | 5       | 120 | 90 | 518 | 30 | 101 | 6    | 25     | 44,50 |
| 91326005   | SPB600-5    | 600 | 607 | 5       | 120 | 90 | 558 | 30 | 101 | 6    | 25     | 46,00 |
| 91326305   | SPB630-5    | 630 | 637 | 5       | 128 | 90 | 588 | 30 | 101 | 6    | 25     | 51,00 |



## SPB/6 TYPE

SOLID HUB

MATERIAL  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | P   | O   | GROOVES | N   | L   | D   | S  | B   | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-----|---------|-----|-----|-----|----|-----|------|--------|-------|
| 91321406   | SPB140-6    | 140 | 147 | 6       | -   | 60  | 98  | -  | 120 | 2    | 20     | 7,92  |
| 91321506   | SPB150-6    | 150 | 157 | 6       | -   | 60  | 108 | -  | 120 | 2    | 20     | 9,13  |
| 91321606   | SPB160-6    | 160 | 167 | 6       | -   | 65  | 118 | -  | 120 | 2    | 20     | 10,47 |
| 91321706   | SPB170-6    | 170 | 177 | 6       | 70  | 65  | 128 | 40 | 120 | 4    | 20     | 8,70  |
| 91321806   | SPB180-6    | 180 | 187 | 6       | 80  | 70  | 138 | 40 | 120 | 4    | 20     | 13,78 |
| 91322006   | SPB200-6    | 200 | 207 | 6       | 96  | 70  | 158 | 40 | 120 | 4    | 25     | 14,50 |
| 91322126   | SPB212-6    | 212 | 219 | 6       | 104 | 80  | 170 | 35 | 120 | 4    | 25     | 14,50 |
| 91322506   | SPB250-6    | 250 | 257 | 6       | 104 | 80  | 208 | 25 | 120 | 4    | 25     | 18,72 |
| 91322806   | SPB280-6    | 280 | 287 | 6       | 104 | 80  | 238 | 25 | 120 | 4    | 25     | 19,32 |
| 91323006   | SPB300-6    | 300 | 307 | 6       | 104 | 80  | 258 | 24 | 120 | 6    | 25     | 21,79 |
| 91323156   | SPB315-6    | 315 | 322 | 6       | 120 | 90  | 273 | 24 | 120 | 6    | 25     | 22,65 |
| 91323406   | SPB340-6    | 340 | 347 | 6       | 120 | 90  | 298 | 24 | 120 | 6    | 25     | 25,00 |
| 91323806   | SPB380-6    | 380 | 387 | 6       | 120 | 100 | 338 | 28 | 120 | 6    | 25     | 31,00 |
| 91324006   | SPB400-6    | 400 | 407 | 6       | 120 | 100 | 358 | 28 | 120 | 6    | 25     | 32,00 |
| 91324256   | SPB425-6    | 425 | 432 | 6       | 120 | 100 | 383 | 28 | 120 | 6    | 25     | 35,00 |
| 91324506   | SPB450-6    | 450 | 457 | 6       | 120 | 100 | 408 | 28 | 120 | 6    | 25     | 37,00 |
| 91325006   | SPB500-6    | 500 | 507 | 6       | 128 | 105 | 458 | 33 | 120 | 6    | 25     | 42,00 |
| 91325606   | SPB560-6    | 560 | 567 | 6       | 128 | 105 | 518 | 33 | 120 | 6    | 25     | 51,00 |



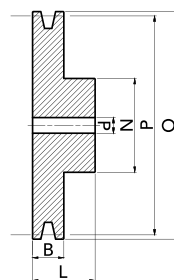


# SPC/1 TYPE

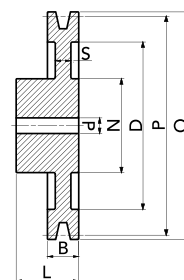
## SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561

TYPE 1



TYPE 3



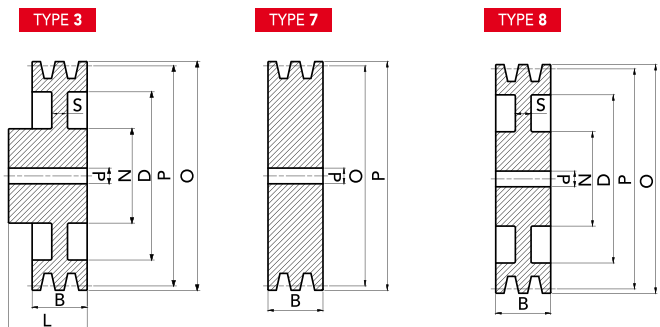
| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N  | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|----|----|-----|----|----|------|--------|-------|
| 91421201   | SPC120-1    | 120 | 129,6 | 1       | 65 | 50 | -   | -  | 34 | 1    | 15     | 2,76  |
| 91421401   | SPC140-1    | 140 | 149,6 | 1       | 70 | 50 | -   | -  | 34 | 1    | 20     | 3,85  |
| 91421501   | SPC150-1    | 150 | 159,6 | 1       | 70 | 50 | -   | -  | 34 | 1    | 20     | 4,22  |
| 91421601   | SPC160-1    | 160 | 169,6 | 1       | 72 | 50 | -   | -  | 34 | 1    | 20     | 4,82  |
| 91421801   | SPC180-1    | 180 | 189,6 | 1       | 76 | 50 | 123 | 16 | 34 | 3    | 20     | 4,44  |
| 91422001   | SPC200-1    | 200 | 209,6 | 1       | 76 | 50 | 143 | 16 | 34 | 3    | 20     | 5,18  |
| 91422251   | SPC225-1    | 225 | 234,6 | 1       | 86 | 50 | 168 | 16 | 34 | 3    | 20     | 7,20  |
| 91422501   | SPC250-1    | 250 | 259,6 | 1       | 86 | 50 | 193 | 16 | 34 | 3    | 20     | 8,50  |
| 91422801   | SPC280-1    | 280 | 289,6 | 1       | 86 | 50 | 223 | 16 | 34 | 3    | 20     |       |
| 91423001   | SPC300-1    | 300 | 309,6 | 1       | 86 | 50 | 243 | 16 | 34 | 3    | 20     | 12,03 |



## SPC/2 TYPE

### SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N  | L  | D   | S  | B    | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|----|----|-----|----|------|------|--------|-------|
| 91421202   | SPC120-2    | 120 | 129,6 | 2       | -  | -  | -   | -  | 59,5 | 7    | 15     | 4,06  |
| 91421402   | SPC140-2    | 140 | 149,6 | 2       | -  | -  | -   | -  | 59,5 | 7    | 20     | 5,42  |
| 91421502   | SPC150-2    | 150 | 159,6 | 2       | -  | -  | -   | -  | 59,5 | 7    | 20     | 6,40  |
| 91421602   | SPC160-2    | 160 | 169,6 | 2       | -  | -  | -   | -  | 59,5 | 7    | 20     | 7,33  |
| 91421802   | SPC180-2    | 180 | 189,6 | 2       | 80 | -  | 123 | 30 | 59,5 | 8    | 20     | 6,69  |
| 91422002   | SPC200-2    | 200 | 209,6 | 2       | 80 | 60 | 143 | 20 | 59,5 | 3    | 20     | 7,68  |
| 91422252   | SPC225-2    | 225 | 234,6 | 2       | 88 | 60 | 169 | 18 | 59,5 | 3    | 20     | 9,55  |
| 91422502   | SPC250-2    | 250 | 259,6 | 2       | 92 | 60 | 193 | 18 | 59,5 | 3    | 20     | 11,00 |
| 91422802   | SPC280-2    | 280 | 289,6 | 2       | 92 | 60 | 223 | 18 | 59,5 | 3    | 20     | 13,33 |
| 91423002   | SPC300-2    | 300 | 309,6 | 2       | 92 | 60 | 243 | 18 | 59,5 | 3    | 20     | 15,35 |





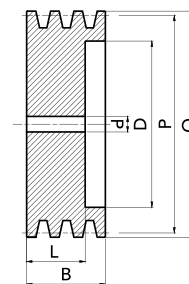
## SPC/3 TYPE

### SOLID HUB

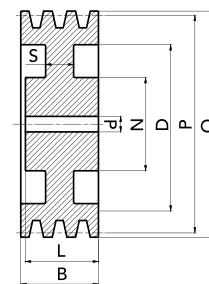
#### MATERIAL

CAST-IRON G20/25 EN 1561

TYPE 2



TYPE 4



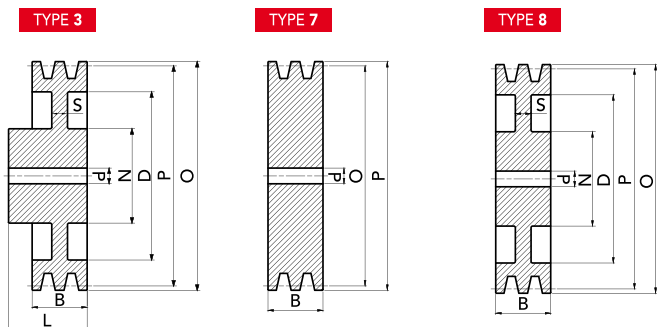
| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N  | L  | D   | S  | B  | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|----|----|-----|----|----|------|--------|-------|
| 91421403   | SPC140-3    | 140 | 149,6 | 3       | -  | 65 | 83  | -  | 85 | 2    | 20     | 6,92  |
| 91421503   | SPC150-3    | 150 | 159,6 | 3       | -  | 65 | 93  | -  | 85 | 2    | 20     | 8,02  |
| 91421603   | SPC160-3    | 160 | 169,6 | 3       | -  | 65 | 103 | -  | 85 | 2    | 20     | 9,00  |
| 91421803   | SPC180-3    | 180 | 189,6 | 3       | 82 | 65 | 123 | 35 | 85 | 4    | 20     | 8,71  |
| 91422003   | SPC200-3    | 200 | 209,6 | 3       | 86 | 65 | 143 | 25 | 85 | 4    | 20     | 10,16 |
| 91422253   | SPC225-3    | 225 | 234,6 | 3       | 90 | 70 | 169 | 21 | 85 | 4    | 20     | 13,11 |
| 91422503   | SPC250-3    | 250 | 259,6 | 3       | 92 | 70 | 193 | 21 | 85 | 4    | 20     | 15,31 |
| 91422803   | SPC280-3    | 280 | 289,6 | 3       | 92 | 70 | 223 | 21 | 85 | 4    | 20     | 18,07 |
| 91423003   | SPC300-3    | 300 | 309,6 | 3       | 92 | 70 | 243 | 21 | 85 | 4    | 20     | 20,79 |



## SPC/4 TYPE

SOLID HUB

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L  | D   | S  | B     | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|----|-----|----|-------|------|--------|-------|
| 91421404   | SPC140-4    | 140 | 149,6 | 4       | -   | 80 | 83  | -  | 110,5 | 2    | 20     | 8,80  |
| 91421504   | SPC150-4    | 150 | 159,6 | 4       | -   | 80 | 93  | -  | 110,5 | 2    | 20     | 10,13 |
| 91421604   | SPC160-4    | 160 | 169,6 | 4       | -   | 80 | 103 | -  | 110,5 | 2    | 20     | 11,42 |
| 91421804   | SPC180-4    | 180 | 189,6 | 4       | 82  | 80 | 123 | 60 | 110,5 | 4    | 20     | 11,18 |
| 91422004   | SPC200-4    | 200 | 209,6 | 4       | 90  | 90 | 143 | 60 | 110,5 | 4    | 20     | 16,51 |
| 91422254   | SPC225-4    | 225 | 234,6 | 4       | 90  | 90 | 169 | 50 | 110,5 | 4    | 25     | 16,33 |
| 91422504   | SPC250-4    | 250 | 259,6 | 4       | 100 | 90 | 193 | 30 | 110,5 | 4    | 25     | 19,34 |
| 91422804   | SPC280-4    | 280 | 289,6 | 4       | 100 | 90 | 223 | 25 | 110,5 | 4    | 25     | 22,77 |
| 91423004   | SPC300-4    | 300 | 309,6 | 4       | 100 | 90 | 243 | 25 | 110,5 | 4    | 25     | 24,98 |





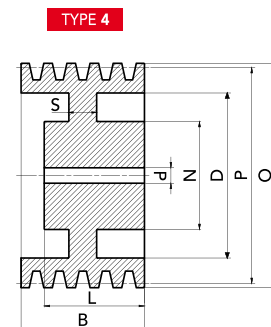
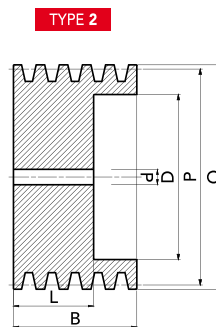


## SPC/5 TYPE

### SOLID HUB

#### MATERIAL

CAST-IRON G20/25 EN 1561

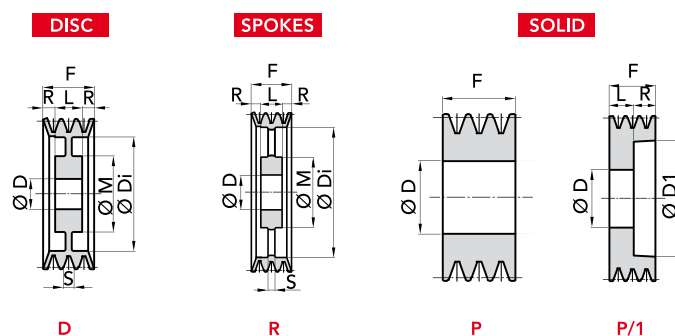


| PROD. CODE | PROD. MODEL | P   | O     | GROOVES | N   | L   | D   | S  | B   | TYPE | d (H9) | Kg    |
|------------|-------------|-----|-------|---------|-----|-----|-----|----|-----|------|--------|-------|
| 91421505   | SPC150-5    | 150 | 159,6 | 5       | -   | 96  | 93  | -  | 136 | 2    | 20     | 12,09 |
| 91421605   | SPC160-5    | 160 | 169,6 | 5       | -   | 96  | 103 | -  | 136 | 2    | 20     | 13,81 |
| 91421805   | SPC180-5    | 180 | 189,6 | 5       | 82  | 96  | 123 | 75 | 136 | 4    | 20     | 13,40 |
| 91422005   | SPC200-5    | 200 | 209,6 | 5       | 90  | 100 | 143 | 80 | 136 | 4    | 25     | 17,69 |
| 91422255   | SPC225-5    | 225 | 234,6 | 5       | 90  | 100 | 169 | 60 | 136 | 4    | 25     | 18,98 |
| 91422505   | SPC250-5    | 250 | 259,6 | 5       | 102 | 100 | 193 | 50 | 136 | 4    | 25     | 23,01 |
| 91422805   | SPC280-5    | 280 | 289,6 | 5       | 102 | 100 | 223 | 40 | 136 | 4    | 25     | 26,02 |
| 91423005   | SPC300-5    | 300 | 309,6 | 5       | 104 | 100 | 243 | 25 | 136 | 4    | 25     | 28,72 |

**SPA TYPE**

FOR LOCKING DEVICES

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| Dp  | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | GROOVES | EXEC. | F  | L  | Ø M | R    | Ø Di | S  | Kg        |
|-----|-------------------|-------------------|-------------------|---------|-------|----|----|-----|------|------|----|-----------|
| 90  | 91250902          |                   |                   | 2       | P     | 35 |    |     |      |      |    | 0,76      |
|     | 91250903          |                   |                   | 3       | P     | 50 |    |     |      |      |    | 1,07      |
|     | 91250905          |                   |                   | 5       | P     | 80 |    |     |      |      |    | 1,68      |
| 95  | 91250952          |                   |                   | 2       | P     | 35 |    |     |      |      |    | 0,93      |
| 100 | 91251001          |                   |                   | 1       | P     | 20 |    |     |      |      |    | 0,50      |
|     | 91251002          | 91261002          |                   | 2       | P     | 35 |    |     |      |      |    | 1,12/0,86 |
|     | 91251003          |                   |                   | 3       | P     | 50 |    |     |      |      |    | 1,54      |
| 105 | 91251052          |                   |                   | 2       | P     | 35 |    |     |      |      |    | 1,31      |
| 120 | 91251202          |                   |                   | 2       | P/1   | 35 | 27 |     | 8    | 88   |    | 1,75      |
| 125 |                   | 91261252          |                   | 2       | P/1   | 35 | 27 |     | 8    | 92   |    | 1,78      |
|     |                   | 91261253          |                   | 3       | P/1   | 50 | 27 |     | 23   | 92   |    | 2,14      |
|     |                   | 91261254          |                   | 4       | P/1   | 65 | 27 |     | 38   | 92   |    | 2,58      |
| 130 |                   | 91261303          |                   | 3       | P/1   | 50 | 27 |     | 23   | 97   |    | 2,43      |
| 140 |                   | 91261403          |                   | 3       | P/1   | 50 | 27 |     | 23   | 107  |    | 2,87      |
| 150 | 91251502          |                   |                   | 2       | P/1   | 35 | 27 |     | 8    | 117  |    | 2,98      |
|     |                   | 91261503          |                   | 3       | P/1   | 50 | 27 |     | 23   | 117  |    | 3,32      |
|     |                   | 91261504          |                   | 4       | P/1   | 65 | 27 |     | 38   | 117  |    | 3,91      |
| 160 | 91251602          | 91261602          |                   | 2       | P/1   | 35 | 27 |     | 8    | 127  |    | 3,5/3,31  |
|     |                   | 91261603          |                   | 3       | P/1   | 50 | 27 |     | 23   | 127  |    | 3,80      |
| 170 | 91251702          |                   |                   | 2       | D     | 35 | 27 |     | 4    | 137  | 27 | 3,94      |
| 180 |                   | 91261802          |                   | 2       | D     | 35 | 27 |     | 4    | 147  | 27 | 4,37      |
|     | 91251803          | 91271803          |                   | 3       | D     | 50 | 27 |     | 11,5 | 147  | 27 | 5,00      |
| 190 |                   | 91261902          |                   | 2       | D     | 35 | 27 | 120 | 4    | 157  | 12 | 4,06      |
|     |                   | 91261903          |                   | 3       | D     | 50 | 27 | 120 | 11,5 | 157  | 12 | 4,97      |
| 200 | 91252002          | 91262002          |                   | 2       | D     | 35 | 27 | 120 | 4    | 167  | 12 | 4,62/4,37 |
|     |                   | 91262003          |                   | 3       | D     | 50 | 27 | 120 | 11,5 | 167  | 14 | 5,34      |
|     |                   | 91262004          |                   | 4       | D     | 65 | 27 | 120 | 19   | 167  | 14 | 6,30      |
| 225 | 91252252          | 91262252          |                   | 2       | D     | 35 | 27 | 120 | 4    | 192  | 12 | 5,20      |
|     | 91252253          | 91262253          |                   | 3       | D     | 50 | 27 | 120 | 11,5 | 192  | 14 | 6,3/6,04  |
| 250 | 91252502          |                   |                   | 2       | R     | 35 | 27 | 130 | 4    | 217  | 14 | 5,84      |
|     |                   | 91282503          |                   | 3       | R     | 50 | 27 | 130 | 11,5 | 217  | 14 | 5,97      |
|     |                   | 91262504          |                   | 4       | R     | 65 | 27 | 130 | 19   | 217  | 14 | 8,58      |
| 300 |                   |                   | 91283004          | 4       | R     | 65 | 27 | 130 | 19   | 267  | 14 | 8,38      |

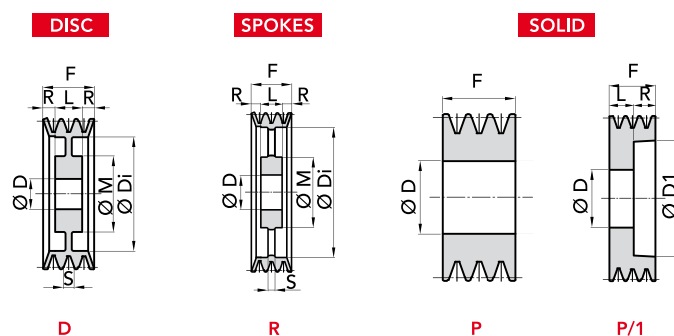




## SPB TYPE

FOR LOCKING DEVICES

**MATERIAL**  
CAST-IRON G20/25 EN 1561

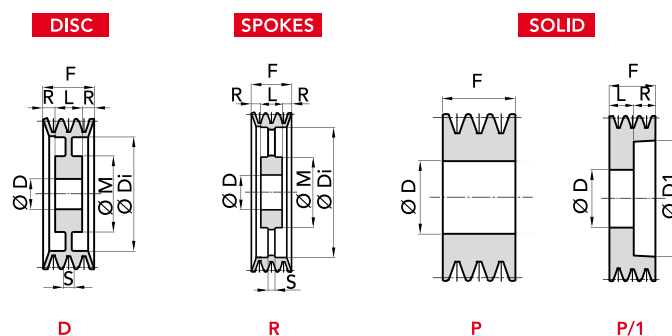


| Dp  | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | GROOVES | EXEC. | F   | L  | Ø M | R    | Ø Di | S  | Kg        |
|-----|-------------------|-------------------|-------------------|---------|-------|-----|----|-----|------|------|----|-----------|
| 112 | 91351121          |                   |                   | 1       | P     | 25  |    |     |      |      |    | 1,11      |
|     | 91351122          |                   |                   | 2       | P/1   | 44  | 27 |     | 17   | 70   |    | 1,71      |
| 120 |                   | 91371202          |                   | 2       | P/1   | 44  | 27 |     | 17   | 78   |    | 1,82      |
|     |                   | 91361203          |                   | 3       | P/1   | 63  | 27 |     | 36   | 78   |    | 2,80      |
|     |                   | 91361204          |                   | 4       | P/1   | 82  | 27 |     | 55   | 78   |    | 2,90      |
| 125 | 91351251          |                   |                   | 1       | P     | 25  |    |     |      |      |    | 1,52      |
|     |                   | 91371252          |                   | 2       | P/1   | 44  | 27 |     | 17   | 83   |    | 2,03      |
|     |                   | 91361253          |                   | 3       | P/1   | 63  | 27 |     | 36   | 83   |    | 2,71      |
| 130 |                   | 91361302          | 91381302          | 2       | P/1   | 44  | 27 |     | 17   | 90   |    | 2,22/1,87 |
|     |                   | 91361303          | 91381303          | 3       | P/1   | 63  | 27 |     | 36   | 90   |    | 2,77/2,43 |
|     |                   | 91361304          | 91381304          | 4       | P/1   | 82  | 27 |     | 55   | 90   |    | 3,49/3,04 |
|     |                   |                   | 91381305          | 5       | P/1   | 101 | 27 |     | 74   | 90   |    | 3,67      |
|     |                   |                   | 91381306          | 6       | P/1   | 120 | 27 |     | 93   | 90   |    | 4,25      |
| 140 |                   | 91361402          | 91381402          | 2       | P/1   | 44  | 27 |     | 17   | 98   |    | 2,68/2,37 |
|     |                   | 91361403          | 91381403          | 3       | P/1   | 63  | 27 |     | 36   | 98   |    | 3,45/3    |
|     |                   | 91361404          | 91381404          | 4       | P/1   | 82  | 27 |     | 55   | 98   |    | 4,15/3,68 |
|     |                   |                   | 91381405          | 5       | P/1   | 101 | 27 |     | 74   | 98   |    | 4,46      |
| 150 | 91351501          | 91361501          |                   | 1       | P     | 25  |    |     |      |      |    | 2,31      |
|     |                   | 91361502          | 91381502          | 2       | P/1   | 44  | 27 |     | 17   | 108  |    | 3,11/2,7  |
|     |                   | 91361503          | 91381503          | 3       | P/1   | 63  | 27 |     | 36   | 108  |    | 3,91/3,54 |
|     |                   | 91361504          | 91381504          | 4       | P/1   | 82  | 27 |     | 55   | 108  |    | 4,64/4,27 |
|     |                   |                   | 91381505          | 5       | P/1   | 101 | 27 |     | 74   | 108  |    | 5,08      |
| 160 | 91351601          | 91361601          |                   | 1       | P     | 25  |    |     |      |      |    | 2,68      |
|     |                   | 91361602          | 91381602          | 2       | P/1   | 44  | 27 |     | 17   | 118  |    | 3,66/3,31 |
|     |                   | 91361603          | 91381603          | 3       | P/1   | 63  | 27 |     | 36   | 118  |    | 4,48/4,11 |
|     |                   |                   | 91381604          | 4       | P/1   | 82  | 27 |     | 55   | 118  |    | 5,04      |
|     |                   |                   | 91381605          | 5       | P/1   | 101 | 27 |     | 74   | 118  |    | 5,71      |
|     |                   |                   | 91381606          | 6       | P/1   | 120 | 27 |     | 93   | 118  |    | 6,62      |
| 170 |                   |                   | 91381702          | 2       | D     | 44  | 27 |     | 8,5  | 128  | 27 | 3,78      |
|     |                   |                   | 91381703          | 3       | D     | 63  | 27 |     | 18   | 128  | 27 | 4,72      |
|     |                   |                   | 91381704          | 4       | D     | 82  | 27 |     | 27,5 | 128  | 27 | 5,54      |
|     |                   |                   | 91381705          | 5       | D     | 101 | 27 |     | 37   | 128  | 27 | 6,35      |
| 180 |                   | 91361802          | 91381802          | 2       | D     | 44  | 27 |     | 8,5  | 138  | 27 | 4,85/4,58 |
|     |                   | 91361803          | 91381803          | 3       | D     | 63  | 27 |     | 18   | 138  | 27 | 5,44/5,3  |
|     |                   | 91361804          | 91381804          | 4       | D     | 82  | 27 |     | 27,5 | 138  | 27 | 6,4/6,29  |
|     |                   |                   | 91381805          | 5       | D     | 101 | 27 |     | 37   | 138  | 27 | 7,30      |
|     |                   |                   | 91381806          | 6       | D     | 120 | 27 |     | 46,5 | 138  | 27 | 8,30      |

**SPB TYPE**

FOR LOCKING DEVICES

**MATERIAL**  
CAST-IRON G20/25 EN 1561



| Dp  | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | GROOVES | EXEC. | F   | L  | Ø M | R    | Ø Di | S  | Kg             |
|-----|-------------------|-------------------|-------------------|---------|-------|-----|----|-----|------|------|----|----------------|
| 190 |                   | 91361901          |                   | 1       | P     | 25  |    |     |      |      |    | 4,2            |
|     |                   |                   | 91381902          | 2       | D     | 44  | 27 |     | 8,5  | 148  | 27 | 4,6            |
|     |                   |                   | 91381903          | 3       | D     | 63  | 27 |     | 18   | 148  | 27 | 6,0            |
|     |                   |                   | 91381904          | 4       | D     | 82  | 27 |     | 27,5 | 148  | 27 | 7,0            |
|     |                   |                   | 91381905          | 5       | D     | 101 | 27 |     | 37   | 148  | 27 | 8,1            |
| 200 |                   | 91362001          | 91382001          | 1       | P     | 25  |    |     |      |      |    | 4,64/4,43      |
|     |                   | 91372002          | 91382002          | 2       | D     | 44  | 27 | 120 | 8,5  | 158  | 15 | 5,34/5,09      |
|     |                   | 91362003          | 91382003          | 3       | D     | 63  | 27 | 120 | 18   | 158  | 15 | 6,15/6,41      |
|     |                   | 91362004          | 91382004          | 4       | D     | 82  | 27 | 120 | 27,5 | 158  | 15 | 7,27/6,9       |
|     |                   |                   | 91382005          | 5       | D     | 101 | 27 | 120 | 37   | 158  | 15 | 8,6            |
|     |                   |                   | 91382006          | 6       | D     | 120 | 27 | 120 | 46,5 | 158  | 18 | 9,9            |
| 212 |                   | 91362122          | 91382122          | 2       | D     | 44  | 27 | 120 | 8,5  | 170  | 15 | 5,64/5,16      |
|     |                   | 91362123          | 91382123          | 3       | D     | 63  | 27 | 120 | 18   | 170  | 15 | 6,87/6,92      |
|     |                   | 91362124          | 91382124          | 4       | D     | 82  | 27 | 120 | 27,5 | 170  | 15 | 8,3/8,04       |
|     |                   |                   | 91382125          | 5       | D     | 101 | 27 | 120 | 37   | 170  | 15 | 9,2            |
| 225 |                   | 91372252          | 91382252          | 2       | D     | 44  | 27 | 120 | 8,5  | 183  | 15 | 6,16/6,27      |
|     |                   | 91362253          | 91382253          | 3       | D     | 63  | 27 | 120 | 18   | 183  | 15 | 8,01/7,1       |
|     |                   | 91362254          | 91382254          | 4       | D     | 82  | 27 | 120 | 27,5 | 183  | 15 | 8,3/8,35       |
|     |                   |                   | 91382255          | 5       | D     | 101 | 27 | 120 | 37   | 183  | 15 | 10             |
|     |                   |                   | 91382256          | 6       | D     | 120 | 27 | 120 | 46,5 | 183  | 18 | 11,9           |
| 240 |                   |                   | 91382403          | 3       | D     | 63  | 27 | 120 | 18   | 198  | 16 | 8,3            |
| 250 | 91352501          |                   |                   | 1       | D     | 25  | 25 | 130 |      | 208  | 16 | 6,4            |
|     | 91352502          | 91372502          | 91382502          | 2       | D     | 44  | 27 | 130 | 8,5  | 208  | 16 | 8,25/8,13/7,49 |
|     |                   |                   | 91382503          | 3       | D     | 63  | 27 | 130 | 18   | 208  | 16 | 9,1            |
|     |                   | 91362504          | 91382504          | 4       | D     | 82  | 27 | 130 | 27,5 | 208  | 16 | 10,6/10,1      |
|     |                   |                   | 91382505          | 5       | D     | 101 | 27 | 130 | 37   | 208  | 16 | 12,5           |
|     |                   |                   | 91382506          | 6       | D     | 120 | 27 | 130 | 46,5 | 208  | 18 | 13,8           |
| 280 |                   |                   |                   | 1       | D     | 25  | 25 | 120 |      | 238  | 16 | 6,5            |
|     |                   |                   | 91382802          | 2       | D     | 44  | 27 | 120 | 8,5  | 238  | 16 | 9,6            |
|     |                   |                   | 91382803          | 3       | D     | 63  | 27 | 120 | 18   | 238  | 16 | 11,1           |
|     |                   |                   | 91382804          | 4       | D     | 82  | 27 | 120 | 27,5 | 238  | 16 | 12,1           |
|     |                   |                   | 91382805          | 5       | D     | 101 | 27 | 130 | 37   | 238  | 16 | 13,9           |
| 300 | 91353001          |                   |                   | 1       | R     | 25  | 25 | 130 |      | 258  | 15 | 6,2            |
|     |                   |                   | 91383004          | 4       | R     | 82  | 27 | 130 | 27,5 | 258  | 20 | 12,8           |
|     |                   |                   | 91383005          | 5       | R     | 101 | 27 | 130 | 37   | 258  | 22 | 14,9           |
| 315 |                   | 91363153          |                   | 3       | R     | 63  | 27 | 130 | 18   | 273  | 18 | 11,3           |
|     |                   |                   | 91383154          | 4       | R     | 82  | 27 | 130 | 27,5 | 273  | 20 | 12,5           |
|     |                   |                   | 91383155          | 5       | R     | 101 | 27 | 130 | 37   | 273  | 22 | 15,2           |
| 355 | 91353551          |                   |                   | 1       | R     | 25  | 25 | 130 |      | 308  | 16 | 10,7           |



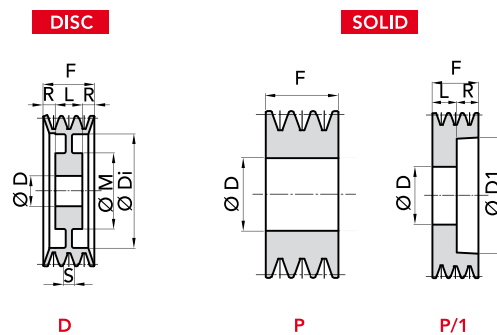


## SPC TYPE

FOR LOCKING DEVICES

### MATERIAL

CAST-IRON G20/25 EN 1561

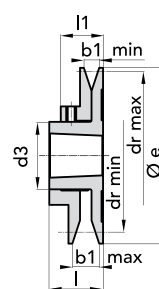
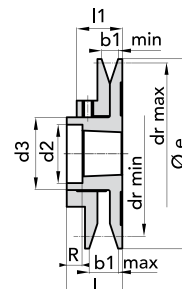


| Dp  | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | GROOVES | EXEC. | F  | L  | Ø M | R  | Ø D1 | S  | Kg    |
|-----|-------------------|-------------------|-------------------|---------|-------|----|----|-----|----|------|----|-------|
| 160 |                   |                   | 91481603          | 3       | P/1   | 85 | 27 |     | 58 | 103  |    | 5,81  |
| 190 |                   |                   | 91481903          | 3       | P/1   | 85 | 27 |     | 58 | 133  |    | 8,10  |
| 225 |                   |                   | 91482253          | 3       | D     | 85 | 27 | 120 | 29 | 168  | 25 | 10,65 |



## PRB TYPE

**MATERIAL**  
CAST-IRON G20/25 EN 1561

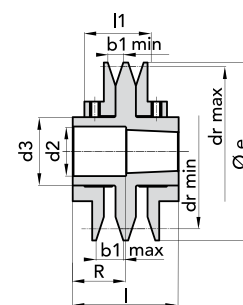
**EXECUTION 1****EXECUTION 2**

| PULLEY TYPE | P. NUMBER | EXEC. | GROOVES | BUSHE | Ø e | l    | l1   | b1  |      | dr  |     | d2 | d3     | R    | GRUB DIN 916<br>UNI 5929 | SECTION BELT | Kg   |
|-------------|-----------|-------|---------|-------|-----|------|------|-----|------|-----|-----|----|--------|------|--------------------------|--------------|------|
|             |           |       |         |       |     |      |      | min | max  | min | max |    |        |      |                          |              |      |
| PRB - 93    | 90000931  | 2     | 1       | 1108  | 93  | 36,5 | 29   | 10  | 17,5 | 57  | 78  | 46 | M60x2  | 13,5 | No.4                     | Z 10x6       | 0,86 |
|             |           |       |         |       |     |      |      |     |      | 59  | 85  |    |        |      | M6x6                     | A 13x8       |      |
| PRB - 108   | 90001081  | 1     | 1       | 1215  | 108 | 38   | 30,5 | 10  | 17,5 | 68  | 92  | -  | M72x2  | -    | No.4                     | Z 10x6       | 1,18 |
|             |           |       |         |       |     |      |      |     |      | 70  | 100 |    |        |      | M6x6                     | A 13x8       |      |
|             |           |       |         |       |     |      |      |     |      | 75  | 93  |    |        |      |                          | SPZ          |      |
| PRB - 120   | 90001201  | 1     | 1       | 1215  | 120 | 38   | 30,5 | 10  | 17,5 | 76  | 102 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |      |      |     |      | 80  | 104 | -  | M72x2  | -    | No.4                     | Z 10x6       | 1,46 |
|             |           |       |         |       |     |      |      |     |      | 82  | 112 |    |        |      | M6x6                     | A 13x8       |      |
|             |           |       |         |       |     |      |      |     |      | 87  | 105 |    |        |      |                          | SPZ          |      |
| PRB - 138   | 90001381  | 1     | 1       | 1615  | 138 | 38   | 30,5 | 10  | 17,5 | 88  | 114 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |      |      |     |      | 98  | 122 | -  | M85x2  | -    | No.4                     | Z 10x6       | 2,00 |
|             |           |       |         |       |     |      |      |     |      | 100 | 130 |    |        |      | M6x6                     | A 13x8       |      |
|             |           |       |         |       |     |      |      |     |      | 105 | 123 |    |        |      |                          | SPZ          |      |
| PRB - 160   | 90001601  | 2     | 1       | 1615  | 160 | 45   | 35,5 | 13  | 22,5 | 106 | 132 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |      |      |     |      | 108 | 138 | 69 | M85x2  | 6,5  | No.4                     | A 13x8       | 3,04 |
|             |           |       |         |       |     |      |      |     |      | 112 | 150 |    |        |      | M8x8                     | B 17x11      |      |
|             |           |       |         |       |     |      |      |     |      | 114 | 140 |    |        |      |                          | SPA          |      |
| PRB - 180   | 90001801  | 2     | 1       | 2012  | 180 | 45   | 35,5 | 13  | 22,5 | 117 | 153 |    |        |      |                          | SPB          |      |
|             |           |       |         |       |     |      |      |     |      | 128 | 158 | 87 | M110x2 | 12,5 | No.4                     | A 13x8       | 3,80 |
|             |           |       |         |       |     |      |      |     |      | 132 | 170 |    |        |      | M8x8                     | B 17x11      |      |
|             |           |       |         |       |     |      |      |     |      | 134 | 160 |    |        |      |                          | SPA          |      |
| PRB - 200   | 90002001  | 2     | 1       | 2012  | 200 | 45   | 35,5 | 13  | 22,5 | 137 | 173 |    |        |      |                          | SPB          |      |
|             |           |       |         |       |     |      |      |     |      | 149 | 177 | 87 | M110x2 | 12,5 | No.4                     | A 13x8       | 4,75 |
|             |           |       |         |       |     |      |      |     |      | 152 | 190 |    |        |      | M8x8                     | B 17x11      |      |
|             |           |       |         |       |     |      |      |     |      | 155 | 179 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |      |      |     |      | 159 | 193 |    |        |      |                          | SPB          |      |



## PRB TYPE

**MATERIAL**  
CAST-IRON G20/25 EN 1561



**EXECUTION 3**

| PULLEY TYPE | P. NUMBER | EXEC. | GROOVES | BUSHE | Ø e | l  | l1 | b1  |      | dr  |     | d2 | d3     | R    | GRUB DIN 916<br>UNI 5929 | SECTION BELT | Kg   |
|-------------|-----------|-------|---------|-------|-----|----|----|-----|------|-----|-----|----|--------|------|--------------------------|--------------|------|
|             |           |       |         |       |     |    |    | min | max  | min | max |    |        |      |                          |              |      |
| PRB2 - 108  | 90001082  | 3     | 2       | 1215  | 108 | 73 | 58 | 10  | 17,5 | 68  | 92  | 57 | M72x2  | 34,5 | No. 8                    | Z 10x6       | 2,40 |
|             |           |       |         |       |     |    |    |     |      | 70  | 100 |    |        |      |                          | A 13x8       |      |
|             |           |       |         |       |     |    |    |     |      | 75  | 93  |    |        |      |                          | SPZ          |      |
|             |           |       |         |       |     |    |    |     |      | 76  | 102 |    |        |      |                          | SPA          |      |
| PRB2 - 120  | 90001202  | 3     | 2       | 1215  | 120 | 73 | 58 | 10  | 17,5 | 80  | 104 | 57 | M72x2  | 34,5 | No. 8                    | Z 10x6       | 2,65 |
|             |           |       |         |       |     |    |    |     |      | 82  | 112 |    |        |      |                          | A 13x8       |      |
|             |           |       |         |       |     |    |    |     |      | 87  | 105 |    |        |      |                          | SPZ          |      |
|             |           |       |         |       |     |    |    |     |      | 88  | 114 |    |        |      |                          | SPA          |      |
| PRB2 - 138  | 90001382  | 3     | 2       | 1615  | 138 | 73 | 58 | 10  | 17,5 | 98  | 122 | 69 | M85x2  | 34,5 | No. 8                    | Z 10x6       | 3,60 |
|             |           |       |         |       |     |    |    |     |      | 100 | 130 |    |        |      |                          | A 13x8       |      |
|             |           |       |         |       |     |    |    |     |      | 105 | 123 |    |        |      |                          | SPZ          |      |
|             |           |       |         |       |     |    |    |     |      | 106 | 132 |    |        |      |                          | SPA          |      |
| PRB2 - 160  | 90001602  | 3     | 2       | 1615  | 160 | 87 | 68 | 13  | 22,5 | 108 | 138 | 69 | M85x2  | 48,5 | No. 8                    | A 13x8       | 5,60 |
|             |           |       |         |       |     |    |    |     |      | 112 | 150 |    |        |      |                          | B 17x11      |      |
|             |           |       |         |       |     |    |    |     |      | 114 | 140 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |    |    |     |      | 117 | 153 |    |        |      |                          | SPB          |      |
| PRB2 - 180  | 90001802  | 3     | 2       | 2012  | 180 | 87 | 68 | 13  | 22,5 | 128 | 158 | 87 | M110x2 | 54   | No. 8                    | A 13x8       | 7,15 |
|             |           |       |         |       |     |    |    |     |      | 132 | 170 |    |        |      |                          | B 17x11      |      |
|             |           |       |         |       |     |    |    |     |      | 134 | 160 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |    |    |     |      | 137 | 173 |    |        |      |                          | SPB          |      |
| PRB2 - 200  | 90002002  | 3     | 2       | 2012  | 200 | 87 | 68 | 13  | 22,5 | 149 | 177 | 87 | M110x2 | 54   | No. 8                    | A 13x8       | 8,92 |
|             |           |       |         |       |     |    |    |     |      | 152 | 190 |    |        |      |                          | B 17x11      |      |
|             |           |       |         |       |     |    |    |     |      | 155 | 179 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |    |    |     |      | 159 | 193 |    |        |      |                          | SPB          |      |
|             |           |       |         |       |     |    |    |     |      | 155 | 179 |    |        |      |                          | SPA          |      |
|             |           |       |         |       |     |    |    |     |      | 159 | 193 |    |        |      |                          | SPB          |      |



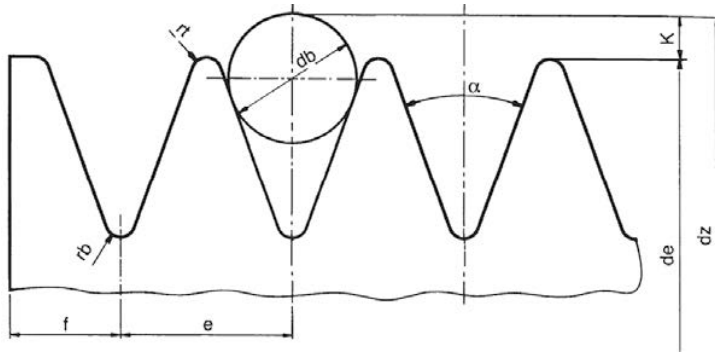
## MICRO-V TAPER LOCK

### TYPES

Grooved pulleys for industrial transmissions are characterized by their size and groove pitch in the following types: **PPV-J** and **PPV-L**

### PROFILE DIMENSIONS

The transverse profile dimensions of a grooved pulley are shown in the picture and table below.



Table

| TYPE                                                   | PPV-J      | PPV-L      |
|--------------------------------------------------------|------------|------------|
| Grooves pitch e                                        | 2.34       | 4.70       |
| Tolerance for e*                                       | $\pm 0.03$ | $\pm 0.05$ |
| Sum of tolerances e**                                  | $\pm 0.30$ | $\pm 0.30$ |
| Race angle $\alpha^{**} \pm 0,5$                       | $40^\circ$ | $40^\circ$ |
| rt min.                                                | 0.20       | 0.40       |
| rb max                                                 | 0.40       | 0.40       |
| Diameter of the control sphere or roller db $\pm 0.01$ | 1.50       | 3.50       |
| 2K** nominal                                           | 0.23       | 2.36       |
| f min.                                                 | 1.8        | 3.3        |

\* = this tolerance applies to the distance between the axes of two consecutive grooves

\*\* = the sum of all the tolerances "e" for all the races of each pulley must not exceed the value foreseen in the table

\* = the axis of each groove must form a  $90^\circ \pm 0.5^\circ$  angle with the pulley axis

\*\* = K is not in relation to the pulley's nominal diameter but is measured from the position of the measurement sphere or roller.

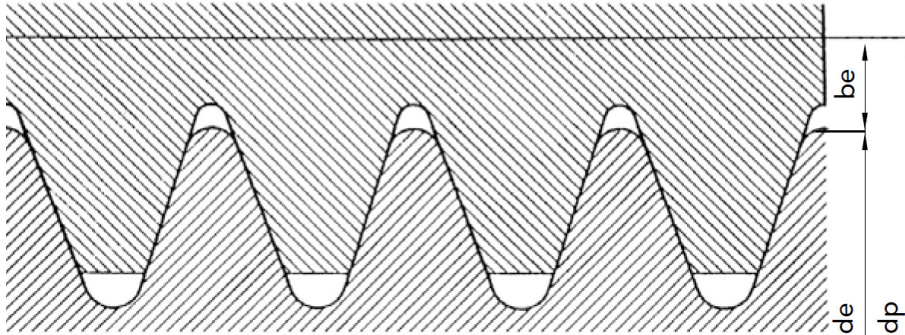




## MICRO-V TAPER LOCK

### PITCH DIAMETER

In below figure is shown, in cross-section, the position of a V-Belt in contact with the corresponding pulley.



$$dp \sim de + 2be$$

| TYPE | PPV-J | PPV-L |
|------|-------|-------|
| 2 be | 2     | 5     |

### DESIGNATION

The Designation includes the following details, in order given: "pulley" designation, the Standard reference, number of grooves, type and actual pitch diameter in mm. An example of designation of PPV-J type for industrial transmissions with 8 grooves and pitch diameter of 200 mm is:

**8 PPV-J 200**

### GROOVE SURFACE FINISH GRADE

The surface roughness of the grooves shall be Ra 3.2 according to ISO254.

### MATERIAL

C45 UNI 7845

Pulleys are manufactured in steel material.

### BALANCING

UNI 4218 – ISO 1940

Preset pulleys for a tapered bush are statically balanced within grade G.6.3.

It is possible to perform dynamic balancing, on request.

**Dynamic balancing is mandatory for speeds exceeding 30 m/s.**

### DESIGN POWER CALCULATION

Once the nominal power to be transmitted  $P$  (Kw) is known, generally matches with the nominal power of the electric motor, the service factor  $C_o$  must be selected following the table below and then it is possible to calculate the design power  $P_c$  (Kw) as follows:

$$P_c = C_o \times P$$



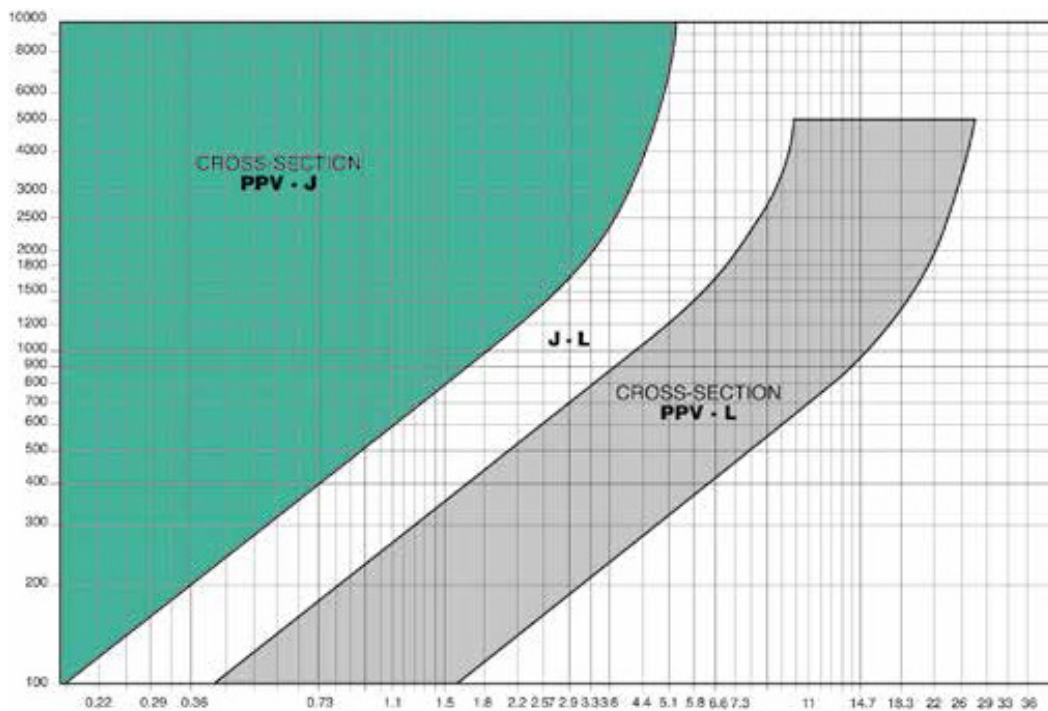
## MICRO-V TAPER LOCK

SERVICE FACTOR ( $C_p$ )

| CLASS A                                                                                                                                                                                                                                                                                             | CLASS B                                                                                                                                                                                                                                                                            |            |            |                                 |            |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------------------------|------------|------------|
| <ul style="list-style-type: none"><li>▪ Synchronous and asynchronous, squirrel cage, normal torque, alternating current motor.</li><li>▪ Shunt winding direct current motor</li><li>▪ Internal combustion engine (steady-state condition <math>\geq 700</math> r.p.m.)</li><li>▪ Turbines</li></ul> | <ul style="list-style-type: none"><li>▪ Asynchronous, squirrel cage, high torque alternating current motor</li><li>▪ Compound winding direct current motor</li><li>▪ Internal combustion engine (steady-state condition <math>\geq 700</math> r.p.m.)</li><li>▪ Clutches</li></ul> |            |            |                                 |            |            |
| TYPE OF MACHINE DRIVEN                                                                                                                                                                                                                                                                              | Class A Motor                                                                                                                                                                                                                                                                      |            |            | Class B Motor                   |            |            |
|                                                                                                                                                                                                                                                                                                     | Number of daily operating hours                                                                                                                                                                                                                                                    |            |            | Number of daily operating hours |            |            |
|                                                                                                                                                                                                                                                                                                     | <10                                                                                                                                                                                                                                                                                | 10÷16      | >16        | <10                             | <10÷16     | >16        |
| <ul style="list-style-type: none"><li>▪ Liquid mixers ▪ Blowers ▪ Extractors ▪ Centrifuge fans ▪ Lightweight conveyors ▪ Mixers designed for pasty products ▪ Blenders ▪ Generators ▪ Laundry machines ▪ Machine tools</li></ul>                                                                    | 1<br>1.1                                                                                                                                                                                                                                                                           | 1.1<br>1.2 | 1.2<br>1.3 | 1.1<br>1.2                      | 1.2<br>1.3 | 1.3<br>1.4 |
| <ul style="list-style-type: none"><li>▪ Rotary compressors ▪ Rotary pumps ▪ Sieves ▪ Heavyweight conveyors ▪ Spraying systems ▪ Dynamo ▪ Bakery machines ▪ Printing machines ▪ Wood working machines</li><li>▪ Axial fans ▪ Brick making machines</li></ul>                                         | 1.2                                                                                                                                                                                                                                                                                | 1.3        | 1.4        | 1.3                             | 1.4        | 1.5        |
| <ul style="list-style-type: none"><li>▪ Piston compressors ▪ Piston pumps ▪ Crushers ▪ Bucket elevators ▪ Elevators ▪ Paper making machines ▪ Mills ▪ Hoists</li></ul>                                                                                                                              | 1.4                                                                                                                                                                                                                                                                                | 1.5        | 1.6        | 1.5                             | 1.6        | 1.8        |
| <ul style="list-style-type: none"><li>▪ Grinding machines ▪ Crushing machines ▪ Drainage systems ▪ Calenders and extruders for rubber and plastics</li></ul>                                                                                                                                        | 1.6                                                                                                                                                                                                                                                                                | 1.7        | 1.8        | 1.7                             | 1.8        | 2          |

### CROSS-SECTION SELECTION

**R.p.m. of smallest pulley**      The type of cross-section is selected by using the diagram shown below.





## PPV-J TYPE

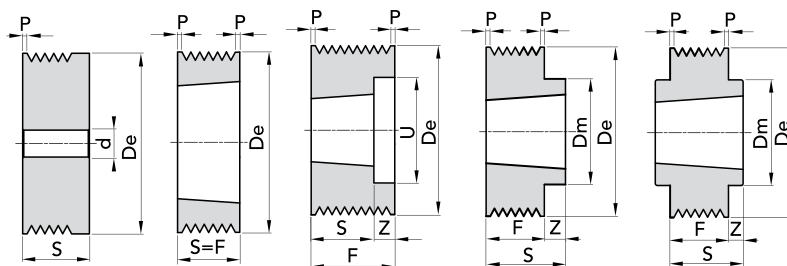
PITCH 2,34 ± 0,025

| N° GROOVES | F±0.1 | P    |
|------------|-------|------|
| 8          | 23    | 3.31 |
| 12         | 32.5  | 3.38 |
| 16         | 42    | 3.45 |

## MATERIAL

CAST-IRON G20/25 EN 1561

C45 EN 10083



EXEC. 1

EXEC. 2

EXEC. 3

EXEC. 4

EXEC. 5

| De  | CODE     | EXEC. | GROOVES | BUSHE | S    | Z    | Dm  | U  | d  | Kg    |
|-----|----------|-------|---------|-------|------|------|-----|----|----|-------|
| 40  | 48108040 | 1     | 8       | -     | 32   | -    | -   | -  | 12 | 0,24  |
|     | 48112040 | 1     | 12      | -     | 41,5 | -    | -   | -  | 12 | 0,32  |
|     | 48116040 | 1     | 16      | -     | 51   | -    | -   | -  | 12 | 0,38  |
|     | 48108045 | 1     | 8       | -     | 32   | -    | -   | -  | 12 | 0,32  |
| 45  | 48112045 | 1     | 12      | -     | 41,5 | -    | -   | -  | 12 | 0,41  |
|     | 48116045 | 1     | 16      | -     | 51   | -    | -   | -  | 12 | 0,50  |
|     | 48108050 | 1     | 8       | -     | 32   | -    | -   | -  | 12 | 0,40  |
|     | 48112050 | 1     | 12      | -     | 41,5 | -    | -   | -  | 12 | 0,52  |
| 50  | 48116050 | 1     | 16      | -     | 51   | -    | -   | -  | 12 | 0,63  |
|     | 48108056 | 2     | 8       | 1108  | 23   | -    | -   | -  | -  | 0,39  |
|     | 48112056 | 3     | 12      | 1108  | 23   | 9,5  | -   | 40 | -  | 0,65  |
|     | 48116056 | 1     | 16      | -     | 51   | -    | -   | -  | 12 | 0,81  |
| 63  | 48108063 | 2     | 8       | 1108  | 23   | -    | -   | -  | -  | 0,50  |
|     | 48112063 | 3     | 12      | 1108  | 23   | 9,5  | -   | 46 | -  | 0,39  |
|     | 48116063 | 1     | 16      | -     | 51   | -    | -   | -  | 12 | 1,05  |
|     | 48108071 | 2     | 8       | 1108  | 23   | -    | -   | -  | -  | 0,64  |
| 71  | 48112071 | 3     | 12      | 1108  | 23   | 9,5  | -   | 46 | -  | 0,57  |
|     | 48116071 | 2     | 16      | 1215  | 42   | -    | -   | 55 | -  | 0,63  |
|     | 48108075 | 2     | 8       | 1108  | 23   | -    | -   | -  | -  | 0,72  |
|     | 48112075 | 3     | 12      | 1610  | 26   | 6,5  | -   | 60 | -  | 0,38  |
| 75  | 48116075 | 3     | 16      | 1610  | 26   | 16   | -   | 60 | -  | 0,46  |
|     | 48108080 | 4     | 8       | 1610  | 26   | 3    | 70  | -  | -  | 0,41  |
|     | 48112080 | 3     | 12      | 1610  | 26   | 6,5  | -   | 60 | -  | 0,52  |
|     | 48116080 | 3     | 16      | 1610  | 26   | 16   | -   | 60 | -  | 0,64  |
| 80  | 48108085 | 4     | 8       | 1610  | 26   | 3    | 70  | -  | -  | 0,51  |
|     | 48112085 | 3     | 12      | 1610  | 26   | 6,5  | -   | 60 | -  | 0,66  |
|     | 48116085 | 3     | 16      | 1610  | 26   | 16   | -   | 60 | -  | 0,84  |
|     | 48108090 | 4     | 8       | 1610  | 26   | 3    | 70  | -  | -  | 0,62  |
| 90  | 48112090 | 3     | 12      | 1610  | 26   | 6,5  | -   | 74 | -  | 0,76  |
|     | 48116090 | 3     | 16      | 1610  | 26   | 16   | -   | 74 | -  | 0,87  |
|     | 48108095 | 4     | 8       | 1610  | 26   | 3    | 82  | -  | -  | 0,78  |
|     | 48112095 | 3     | 12      | 1610  | 26   | 6,5  | -   | 74 | -  | 0,93  |
| 95  | 48116095 | 3     | 16      | 1610  | 26   | 16   | -   | 74 | -  | 1,08  |
|     | 48108100 | 4     | 8       | 1610  | 26   | 3    | 82  | -  | -  | 0,90  |
|     | 48112100 | 3     | 12      | 1610  | 26   | 6,5  | -   | 74 | -  | 1,10  |
|     | 48116100 | 3     | 16      | 1610  | 26   | 16   | -   | 74 | -  | 1,32  |
| 106 | 48108106 | 4     | 8       | 1610  | 26   | 3    | 82  | -  | -  | 1,05  |
|     | 48112106 | 3     | 12      | 1610  | 26   | 6,5  | -   | 88 | -  | 1,24  |
|     | 48116106 | 3     | 16      | 1610  | 26   | 16   | -   | 88 | -  | 1,40  |
|     | 48108112 | 4     | 8       | 1610  | 26   | 3    | 90  | -  | -  | 1,25  |
| 112 | 48112112 | 3     | 12      | 1610  | 26   | 6,5  | -   | 88 | -  | 1,47  |
|     | 48116112 | 3     | 16      | 1610  | 26   | 16   | -   | 88 | -  | 1,70  |
|     | 48108118 | 4     | 8       | 1610  | 26   | 3    | 90  | -  | -  | 1,43  |
|     | 48112118 | 3     | 12      | 2012  | 32   | 0,5  | -   | 98 | -  | 1,55  |
| 118 | 48116118 | 3     | 16      | 2012  | 32   | 10   | -   | 98 | -  | 1,79  |
|     | 48108125 | 4     | 8       | 1610  | 26   | 3    | 90  | -  | -  | 1,64  |
|     | 48112125 | 3     | 12      | 2012  | 32   | 0,5  | -   | 98 | -  | 1,90  |
|     | 48116125 | 3     | 16      | 2012  | 32   | 10   | -   | 98 | -  | 2,18  |
| 132 | 48108132 | 4     | 8       | 1610  | 26   | 3    | 90  | -  | -  | 1,88  |
|     | 48112132 | 3     | 12      | 2012  | 32   | 0,5  | -   | 98 | -  | 2,21  |
|     | 48116132 | 3     | 16      | 2012  | 32   | 10   | -   | 98 | -  | 2,60  |
|     | 48108140 | 4     | 8       | 1610  | 26   | 3    | 90  | -  | -  | 1,60  |
| 140 | 48112140 | 4     | 12      | 2517  | 45   | 12,5 | 120 | -  | -  | 2,70  |
|     | 48116140 | 4     | 16      | 2517  | 45   | 3    | 120 | -  | -  | 3,25  |
|     | 48108160 | 5     | 8       | 2012  | 32   | 4,5  | 110 | -  | -  | 3,01  |
|     | 48112160 | 4     | 12      | 2517  | 45   | 12,5 | 120 | -  | -  | 3,80  |
| 160 | 48116160 | 4     | 16      | 2517  | 45   | 3    | 120 | -  | -  | 4,37  |
|     | 48108180 | 5     | 8       | 2012  | 32   | 4,5  | 110 | -  | -  | 3,92  |
|     | 48112180 | 5     | 12      | 2517  | 45   | 6,25 | 120 | -  | -  | 5,08  |
|     | 48116180 | 5     | 16      | 2517  | 45   | 1,5  | 120 | -  | -  | 5,97  |
| 180 | 48108200 | 5     | 8       | 2012  | 32   | 4,5  | 110 | -  | -  | 4,88  |
|     | 48112200 | 5     | 12      | 2517  | 45   | 6,25 | 120 | -  | -  | 6,40  |
|     | 48116200 | 5     | 16      | 2517  | 45   | 1,5  | 120 | -  | -  | 7,75  |
|     | 48108224 | 5     | 8       | 2012  | 32   | 4,5  | 110 | -  | -  | 6,17  |
| 224 | 48112224 | 5     | 12      | 2517  | 45   | 6,25 | 120 | -  | -  | 8,29  |
|     | 48116224 | 5     | 16      | 2517  | 45   | 1,5  | 120 | -  | -  | 11,00 |
|     | 48108250 | 5     | 8       | 2012  | 32   | 4,5  | 110 | -  | -  | 8,48  |
|     | 48112250 | 5     | 12      | 2517  | 45   | 6,25 | 120 | -  | -  | 10,50 |
| 250 | 48116250 | 5     | 16      | 2517  | 45   | 1,5  | 120 | -  | -  | 13,00 |



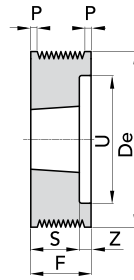
## PPV-L TYPE

PITCH  $4,70 \pm 0,050$ 

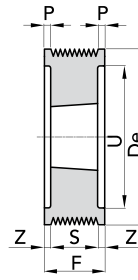
| N° GROOVES | F $\pm 0.1$ | P    |
|------------|-------------|------|
| 8          | 48          | 7.55 |
| 12         | 67          | 7.65 |
| 16         | 86          | 7.75 |

### MATERIAL

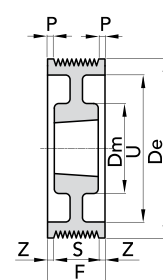
CAST-IRON G20/25 EN 1561



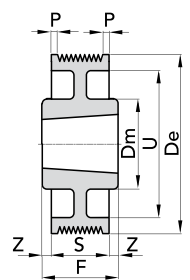
EXEC. 3



EXEC. 6



EXEC. 7



EXEC. 8

| De  | CODE     | EXEC. | GROOVES | BUSHE | S  | Z    | Dm | U   | Kg   | De  | CODE     | EXEC. | GROOVES | BUSHE | S  | Z    | Dm  | U   | Kg    |
|-----|----------|-------|---------|-------|----|------|----|-----|------|-----|----------|-------|---------|-------|----|------|-----|-----|-------|
| 75  | 48208075 | 3     | 8       | 1210  | 26 | 22   | -  | 56  | 0,66 | 140 | 48208140 | 3     | 8       | 2517  | 45 | 3    | 82  | 116 | 3,02  |
|     | 48212075 | 3     | 12      | 1215  | 42 | 25   | -  | 56  | 0,97 |     | 48212140 | 6     | 12      | 2517  | 45 | 11   | -   | 116 | 3,55  |
| 80  | 48208080 | 3     | 8       | 1210  | 26 | 22   | -  | 56  | 0,86 | 150 | 48216140 | 6     | 16      | 2517  | 45 | 20,5 | -   | 116 | 4,05  |
|     | 48212080 | 3     | 12      | 1215  | 42 | 25   | -  | 56  | 1,25 |     | 48208150 | 3     | 8       | 2517  | 45 | 3    | -   | 126 | 3,75  |
| 85  | 48208085 | 3     | 8       | 1210  | 26 | 22   | -  | 61  | 1,00 | 160 | 48212150 | 6     | 12      | 2517  | 45 | 11   | -   | 126 | 4,30  |
|     | 48212085 | 3     | 12      | 1215  | 42 | 25   | -  | 61  | 1,47 |     | 48216150 | 6     | 16      | 2517  | 45 | 20,5 | -   | 126 | 4,85  |
| 90  | 48216085 | 6     | 16      | 1215  | 42 | 22   | -  | 61  | 1,76 | 170 | 48208160 | 3     | 8       | 2517  | 45 | 3    | -   | 136 | 4,54  |
|     | 48208090 | 3     | 8       | 1610  | 26 | 22   | -  | 66  | 1,01 |     | 48212160 | 6     | 12      | 2517  | 45 | 11   | -   | 136 | 5,12  |
| 95  | 48212090 | 3     | 12      | 1615  | 42 | 25   | -  | 66  | 1,45 | 180 | 48216160 | 6     | 16      | 3020  | 52 | 17   | -   | 136 | 4,88  |
|     | 48216090 | 6     | 16      | 1615  | 42 | 22   | -  | 66  | 1,78 |     | 48208170 | 3     | 8       | 2517  | 45 | 3    | -   | 146 | 5,35  |
| 100 | 48208095 | 3     | 8       | 1610  | 26 | 22   | -  | 71  | 1,16 | 200 | 48212170 | 6     | 12      | 2517  | 45 | 11   | -   | 146 | 6,03  |
|     | 48212095 | 3     | 12      | 1615  | 42 | 25   | -  | 71  | 1,71 |     | 48216170 | 6     | 16      | 3020  | 52 | 17   | -   | 146 | 6,58  |
| 106 | 48216095 | 6     | 16      | 1615  | 42 | 22   | -  | 71  | 2,02 | 224 | 48208180 | 7     | 8       | 2517  | 45 | 1,5  | 120 | 156 | 4,52  |
|     | 48208100 | 3     | 8       | 1610  | 26 | 22   | -  | 76  | 1,31 |     | 48212180 | 7     | 12      | 2517  | 45 | 11   | 120 | 156 | 5,34  |
| 112 | 48212100 | 3     | 12      | 2012  | 32 | 35   | -  | 79  | 1,39 | 250 | 48216180 | 6     | 16      | 3020  | 52 | 17   | -   | 156 | 7,09  |
|     | 48216100 | 6     | 16      | 2012  | 32 | 27   | -  | 79  | 1,69 |     | 48208200 | 7     | 8       | 2517  | 45 | 1,5  | 120 | 176 | 5,07  |
| 118 | 48208106 | 3     | 8       | 1610  | 26 | 22   | -  | 82  | 1,53 | 280 | 48212200 | 7     | 12      | 3020  | 52 | 7,5  | 146 | 176 | 6,99  |
|     | 48212106 | 3     | 12      | 2012  | 32 | 35   | -  | 82  | 1,76 |     | 48216200 | 7     | 16      | 3020  | 52 | 17   | 146 | 176 | 7,92  |
| 125 | 48216106 | 6     | 16      | 2012  | 32 | 27   | -  | 82  | 2,12 | 315 | 48208224 | 7     | 8       | 2517  | 45 | 1,5  | 120 | 202 | 9,77  |
|     | 48208112 | 3     | 8       | 1610  | 26 | 22   | -  | 88  | 1,75 |     | 48212224 | 7     | 12      | 3020  | 52 | 7,5  | 146 | 202 | 11,0  |
| 132 | 48212112 | 3     | 12      | 2012  | 32 | 35   | -  | 88  | 2,02 | 250 | 48216224 | 7     | 16      | 3020  | 52 | 17   | 146 | 202 | 14,12 |
|     | 48216112 | 6     | 16      | 2012  | 32 | 27   | -  | 88  | 2,42 |     | 48208250 | 8     | 8       | 3020  | 52 | 2    | 146 | 228 | 13,12 |
| 132 | 48208118 | 3     | 8       | 2012  | 32 | 16   | -  | 94  | 1,88 | 280 | 48212250 | 7     | 12      | 3020  | 52 | 7,5  | 146 | 228 | 15,60 |
|     | 48212118 | 6     | 12      | 2517  | 45 | 11   | -  | 97  | 1,96 |     | 48216250 | 8     | 16      | 3535  | 89 | 1,5  | 178 | 228 | 16,13 |
| 125 | 48216118 | 6     | 16      | 2517  | 45 | 20,5 | -  | 97  | 2,31 | 315 | 48208280 | 8     | 8       | 3020  | 52 | 2    | 146 | 256 | 18,18 |
|     | 48208125 | 3     | 8       | 2012  | 32 | 16   | -  | 101 | 2,22 |     | 48212280 | 7     | 12      | 3020  | 52 | 7,5  | 146 | 256 | 21,75 |
| 132 | 48212125 | 6     | 12      | 2517  | 45 | 11   | -  | 101 | 2,46 | 280 | 48216280 | 8     | 16      | 3535  | 89 | 1,5  | 178 | 256 | 24,45 |
|     | 48216125 | 6     | 16      | 2517  | 45 | 20,5 | -  | 101 | 2,92 |     | 48208315 | 8     | 8       | 3020  | 52 | 2    | 146 | 285 | 24,82 |
| 132 | 48208132 | 3     | 8       | 2012  | 32 | 16   | -  | 108 | 2,54 | 315 | 48212315 | 8     | 12      | 3535  | 89 | 11   | 178 | 285 | 42,64 |
|     | 48212132 | 6     | 12      | 2517  | 45 | 11   | -  | 108 | 2,97 |     | 48216315 | 8     | 16      | 3535  | 89 | 1,5  | 178 | 285 | 35,34 |
| 132 | 48216132 | 6     | 16      | 2517  | 45 | 20,5 | -  | 108 | 3,44 |     |          |       |         |       |    |      |     |     |       |



# Timing bars Flanges for pulley Plate for timing belt

## LEGEND

PITCH = *PASSO*

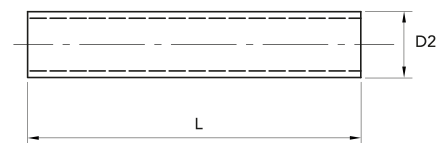
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## 8M - 14M

MATERIAL  
C45 EN 10083



L USEFUL = L TOTAL

| 8M (pitch 8mm) |          |        |        |     |                 |      | 14M (pitch 14mm) |          |        |        |     |                 |       |
|----------------|----------|--------|--------|-----|-----------------|------|------------------|----------|--------|--------|-----|-----------------|-------|
| TYPE           | CODE     | Dp     | De     | L   | SUITABLE FLANGE | Kg.  | TYPE             | CODE     | Dp     | De     | L   | SUITABLE FLANGE | Kg.   |
| 8M-22          | 48600022 | 56,02  | 54,42  | 180 | 58              | 3,20 | 14M-28           | 48800028 | 124,78 | 121,98 | 200 | 153             | 18,00 |
| 8M-25          | 48600025 | 63,66  | 62,06  | 180 | 61              | 4,20 | 14M-30           | 48800030 | 133,69 | 130,89 | 200 | 154             | 20,80 |
| 8M-28          | 48600028 | 71,30  | 69,70  | 180 | 62              | 5,20 | 14M-32           | 48800032 | 142,60 | 139,80 | 200 | 157             | 23,80 |
| 8M-30          | 48600030 | 76,39  | 74,79  | 180 | 82              | 6,00 | 14M-34           | 48800034 | 151,52 | 148,72 | 200 | 158             | 27,00 |
| 8M-32          | 48600032 | 81,49  | 79,89  | 180 | 65              | 6,90 | 14M-36           | 48800036 | 160,43 | 157,63 | 200 | 168             | 30,30 |
| 8M-34          | 48600034 | 86,58  | 84,98  | 180 | 66              | 7,80 | 14M-38           | 48800038 | 169,34 | 166,54 | 200 | 161             | 33,90 |
| 8M-36          | 48600036 | 91,67  | 90,07  | 180 | 68              | 8,90 | 14M-40           | 48800040 | 178,25 | 175,45 | 200 | 162             | 37,70 |
| 8M-38          | 48600038 | 96,77  | 95,17  | 180 | 70              | 10,0 | 14M-44           | 48800044 | 196,08 | 193,28 | 200 | 165             | 45,90 |
| 8M-40          | 48600040 | 101,86 | 100,26 | 200 | 77              | 12,3 | 14M-48           | 48800048 | 213,90 | 211,11 | 200 | 167             | 54,80 |
| 8M-45          | 48600045 | 114,59 | 112,99 | 200 | 75              | 15,4 |                  |          |        |        |     |                 |       |
| 8M-48          | 48600048 | 122,23 | 120,63 | 200 | 78              | 17,7 |                  |          |        |        |     |                 |       |
| 8M-50          | 48600050 | 127,32 | 125,72 | 200 | 80              | 18,2 |                  |          |        |        |     |                 |       |
| 8M-56          | 48600056 | 142,60 | 141,00 | 200 | 85              | 24,5 |                  |          |        |        |     |                 |       |
| 8M-60          | 48600060 | 152,79 | 151,19 | 200 | 86              | 28,1 |                  |          |        |        |     |                 |       |
| 8M-64          | 48600064 | 162,97 | 161,37 | 200 | 90              | 31,8 |                  |          |        |        |     |                 |       |
| 8M-75          | 48600075 | 190,99 | 189,39 | 200 | 100             | 44,0 |                  |          |        |        |     |                 |       |

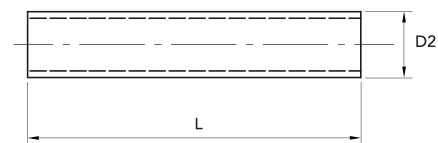




## MXL 0.080" (2.032 mm)

The **MXL** bars are built in **Aluminium** suitable for the hard oxidation thickness.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



L USEFUL = L TOTAL

| TYPE   | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg   |
|--------|----------|----------|-------------|----------|---------|------|
| MXL 12 | 42023012 | 12       | 7,26        | 50       | 75      | 0,01 |
| MXL 14 | 42023014 | 14       | 8,56        | 50       | 75      | 0,01 |
| MXL 15 | 42023015 | 15       | 9,19        | 50       | 75      | 0,01 |
| MXL 16 | 42023016 | 16       | 9,83        | 50       | 75      | 0,02 |
| MXL 18 | 42023018 | 18       | 11,12       | 50       | 75      | 0,02 |
| MXL 20 | 42023020 | 20       | 12,42       | 90       | 120     | 0,04 |
| MXL 22 | 42023022 | 22       | 13,72       | 125      | 140     | 0,05 |
| MXL 24 | 42023024 | 24       | 15,01       | 125      | 140     | 0,06 |
| MXL 25 | 42023025 | 25       | 15,67       | 125      | 140     | 0,07 |
| MXL 26 | 42023026 | 26       | 16,31       | 125      | 140     | 0,08 |
| MXL 28 | 42023028 | 28       | 17,60       | 125      | 140     | 0,09 |
| MXL 30 | 42023030 | 30       | 18,90       | 125      | 140     | 0,10 |
| MXL 32 | 42023032 | 32       | 20,19       | 125      | 140     | 0,12 |
| MXL 34 | 42023034 | 34       | 21,49       | 125      | 140     | 0,13 |
| MXL 36 | 42023036 | 36       | 22,78       | 132      | 140     | 0,15 |
| MXL 38 | 42023038 | 38       | 24,09       | 132      | 140     | 0,17 |
| MXL 40 | 42023040 | 40       | 25,37       | 132      | 140     | 0,19 |
| MXL 42 | 42023042 | 42       | 26,67       | 140      | 140     | 0,20 |
| MXL 44 | 42023044 | 44       | 27,94       | 140      | 140     | 0,23 |
| MXL 45 | 42023045 | 45       | 28,60       | 140      | 140     | 0,24 |
| MXL 48 | 42023048 | 48       | 30,53       | 140      | 140     | 0,27 |
| MXL 50 | 42023050 | 50       | 31,83       | 140      | 140     | 0,30 |
| MXL 60 | 42023060 | 60       | 38,30       | 160      | 160     | 0,49 |
| MXL 70 | 42023070 | 70       | 44,78       | 160      | 160     | 0,67 |
| MXL 72 | 42023072 | 72       | 46,05       | 160      | 160     | 0,72 |



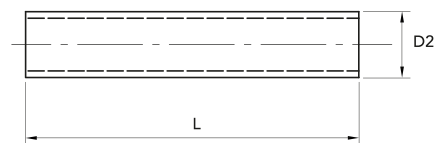
## XL 1/5" (5.08 mm)

The XL bars are built in **Steel** and **Aluminium** suitable for the hard oxidation thickness.

### MATERIAL

C45 EN 10083

ALUMINIUM 6082-T6 EN 573



L USEFUL = L TOTAL

| TYPE  | CODE STEEL | CODE ALUMINIUM | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg ALUMINIUM | Kg    |
|-------|------------|----------------|----------|-------------|----------|---------|--------------|-------|
| XL 10 | 42000010   | 42003010       | 10       | 15,66       | 125      | 140     | 0,07         | 0,84  |
| XL 11 | 42000011   | 42003011       | 11       | 17,28       | 125      | 140     | 0,08         | 0,92  |
| XL 12 | 42000012   | 42003012       | 12       | 18,90       | 125      | 140     | 0,10         | 1,20  |
| XL 13 | 42000013   | 42003013       | 13       | 20,51       | 125      | 140     | 0,11         | 1,08  |
| XL 14 | 42000014   | 42003014       | 14       | 22,13       | 132      | 140     | 0,13         | 1,12  |
| XL 15 | 42000015   | 42003015       | 15       | 23,75       | 132      | 140     | 0,16         | 1,44  |
| XL 16 | 42000016   | 42003016       | 16       | 25,36       | 140      | 140     | 0,18         | 1,27  |
| XL 17 | 42000017   | 42003017       | 17       | 26,98       | 140      | 140     | 0,20         | 1,31  |
| XL 18 | 42000018   | 42003018       | 18       | 28,60       | 140      | 140     | 0,23         | 1,51  |
| XL 19 | 42000019   | 42003019       | 19       | 30,22       | 140      | 140     | 0,26         | 1,70  |
| XL 20 | 42000020   | 42003020       | 20       | 31,83       | 140      | 140     | 0,28         | 1,60  |
| XL 21 | 42000021   | 42003021       | 21       | 33,45       | 160      | 160     | 0,36         | 2,06  |
| XL 22 | 42000022   | 42003022       | 22       | 35,07       | 160      | 160     | 0,40         | 2,12  |
| XL 23 | 42000023   | 42003023       | 23       | 36,60       | 160      | 160     | 0,44         | 2,32  |
| XL 24 | 42000024   | 42003024       | 24       | 38,30       | 160      | 160     | 0,48         | 2,41  |
| XL 25 | 42000025   | 42003025       | 25       | 39,93       | 160      | 160     | 0,51         | 2,75  |
| XL 26 | 42000026   | 42003026       | 26       | 41,53       | 160      | 160     | 0,56         | 2,79  |
| XL 27 | 42000027   | 42003027       | 27       | 43,15       | 160      | 160     | 0,60         | 3,90  |
| XL 28 | 42000028   | 42003028       | 28       | 44,77       | 160      | 160     | 0,65         | 3,41  |
| XL 29 | 42000029   | 42003029       | 29       | 46,39       | 160      | 160     | 0,70         | 3,42  |
| XL 30 | 42000030   | 42003030       | 30       | 48,00       | 160      | 160     | 0,75         | 3,78  |
| XL 32 | 42000032   | 42003032       | 32       | 51,24       | 160      | 160     | 0,87         | 3,93  |
| XL 33 | 42000033   | 42003033       | 33       | 52,76       | 160      | 160     | 0,92         | 4,00  |
| XL 34 | 42000034   | 42003034       | 34       | 54,47       | 160      | 160     | 0,98         | 4,48  |
| XL 35 | 42000035   | 42003035       | 35       | 56,09       | 160      | 160     | 1,04         | 4,50  |
| XL 36 | 42000036   | 42003036       | 36       | 57,7        | 160      | 160     | 1,1          | 4,60  |
| XL 38 | 42000038   | 42003038       | 38       | 60,94       | 160      | 160     | 1,23         | 5,15  |
| XL 39 | 42000039   | 42003039       | 39       | 62,56       | 160      | 160     | 1,3          | 5,20  |
| XL 40 | 42000040   | 42003040       | 40       | 64,17       | 160      | 160     | 1,37         | 5,75  |
| XL 41 | 42000041   | 42003041       | 41       | 65,79       | 160      | 160     | 1,43         | 6,00  |
| XL 42 | 42000042   | 42003042       | 42       | 67,41       | 160      | 160     | 1,51         | 6,10  |
| XL 43 | 42000043   | 42003043       | 43       | 69,02       | 160      | 160     | 1,58         | 6,50  |
| XL 44 | 42000044   | 42003044       | 44       | 70,64       | 160      | 160     | 1,65         | 6,60  |
| XL 48 | 42000048   | 42003048       | 48       | 77,11       | 160      | 160     | 1,98         | 7,57  |
| XL 56 | 42000056   | 42003056       | 56       | 90,04       | 160      | 160     | 2,71         | 10,66 |
| XL 60 | 42000060   | 42003060       | 60       | 96,51       | 160      | 160     | 3,1          | 10,90 |
| XL 72 | 42000072   | 42003072       | 72       | 115,92      | 160      | 160     | 4,52         | 15,20 |



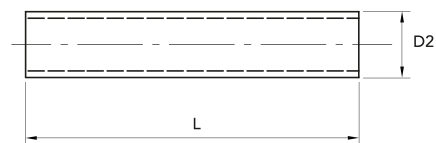
## L 3/8" (9.525 mm)

The **L** bars are built in **Steel** and **Aluminium** suitable for the hard oxidation thickness.

### MATERIAL

C45 EN 10083

ALUMINIUM 6082-T6 EN 573



L USEFUL = L TOTAL

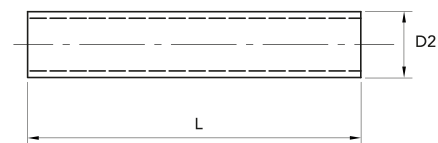
| TYPE | CODE STEEL | CODE ALUMINIUM | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg ALUMINIUM | Kg   |
|------|------------|----------------|----------|-------------|----------|---------|--------------|------|
| L 10 | 42010010   | 42013010       | 10       | 29,56       | 140      | 140     | 0,66         | 0,23 |
| L 11 | 42010011   | 42013011       | 11       | 32,59       | 140      | 140     | 0,81         | 0,28 |
| L 12 | 42010012   | 42013012       | 12       | 35,62       | 160      | 160     | 1,12         | 0,39 |
| L 13 | 42010013   | 42013013       | 13       | 38,65       | 160      | 160     | 1,32         | 0,46 |
| L 14 | 42010014   | 42013014       | 14       | 41,68       | 160      | 160     | 1,57         | 0,55 |
| L 15 | 42010015   | 42013015       | 15       | 44,72       | 160      | 160     | 1,81         | 0,63 |
| L 16 | 42010016   | 42013016       | 16       | 47,75       | 160      | 160     | 2,08         | 0,73 |
| L 17 | 42010017   | 42013017       | 17       | 50,78       | 160      | 160     | 2,34         | 0,82 |
| L 18 | 42010018   | 42013018       | 18       | 53,81       | 160      | 160     | 2,64         | 0,93 |
| L 19 | 42010019   | 42013019       | 19       | 56,84       | 160      | 160     | 2,96         | 1,04 |
| L 20 | 42010020   | 42013020       | 20       | 59,88       | 160      | 160     | 3,32         | 1,16 |
| L 21 | 42010021   | 42013021       | 21       | 62,91       | 160      | 160     | 3,67         | 1,28 |
| L 22 | 42010022   | 42013022       | 22       | 65,94       | 160      | 160     | 4,07         | 1,41 |
| L 23 | 42010023   | 42013023       | 23       | 68,97       | 160      | 160     | 4,44         | 1,55 |
| L 24 | 42010024   | 42013024       | 24       | 72,00       | 160      | 160     | 4,86         | 1,69 |
| L 27 | 42010027   | 42013027       | 27       | 81,10       | 160      | 160     | 6,20         | 2,15 |
| L 30 | 42010030   | 42013030       | 30       | 90,20       | 160      | 160     | 7,72         | 2,67 |



## HTD® 5M (pitch 5 mm)

Aluminium material suitable for the hard oxidation.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



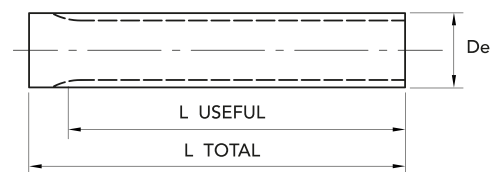
L USEFUL = L TOTAL

| TYPE   | CODE     | N. TEETH | Dp     | De EXTERNAL | L USEFUL | L TOTAL | Kg   |
|--------|----------|----------|--------|-------------|----------|---------|------|
| 5M- 12 | 40200012 | 12       | 19,10  | 17,96       | 150      | 160     | 0,08 |
| 5M- 13 | 40200013 | 13       | 20,69  | 19,55       | 150      | 160     | 0,10 |
| 5M- 14 | 40200014 | 14       | 22,28  | 21,14       | 175      | 200     | 0,16 |
| 5M- 15 | 40200015 | 15       | 23,87  | 22,73       | 175      | 200     | 0,19 |
| 5M- 16 | 40200016 | 16       | 25,47  | 24,33       | 175      | 200     | 0,21 |
| 5M- 17 | 40200017 | 17       | 27,06  | 25,92       | 175      | 200     | 0,24 |
| 5M- 18 | 40200018 | 18       | 28,65  | 27,51       | 200      | 200     | 0,27 |
| 5M- 19 | 40200019 | 19       | 30,24  | 29,1        | 200      | 200     | 0,31 |
| 5M- 20 | 40200020 | 20       | 31,83  | 30,69       | 200      | 200     | 0,35 |
| 5M- 21 | 40200021 | 21       | 33,42  | 32,28       | 200      | 200     | 0,39 |
| 5M- 22 | 40200022 | 22       | 35,02  | 33,88       | 200      | 200     | 0,43 |
| 5M- 23 | 40200023 | 23       | 36,61  | 35,47       | 200      | 200     | 0,48 |
| 5M- 24 | 40200024 | 24       | 38,20  | 37,06       | 200      | 200     | 0,52 |
| 5M- 25 | 40200025 | 25       | 39,79  | 38,65       | 200      | 200     | 0,57 |
| 5M- 26 | 40200026 | 26       | 41,38  | 40,24       | 200      | 200     | 0,62 |
| 5M- 27 | 40200027 | 27       | 42,97  | 41,83       | 200      | 200     | 0,67 |
| 5M- 28 | 40200028 | 28       | 44,56  | 43,42       | 200      | 200     | 0,73 |
| 5M- 30 | 40200030 | 30       | 47,75  | 46,61       | 200      | 200     | 0,84 |
| 5M- 32 | 40200032 | 32       | 50,93  | 49,79       | 200      | 200     | 0,97 |
| 5M- 34 | 40200034 | 34       | 54,11  | 52,97       | 200      | 200     | 1,11 |
| 5M- 36 | 40200036 | 36       | 57,30  | 56,16       | 200      | 200     | 1,25 |
| 5M- 38 | 40200038 | 38       | 60,48  | 59,34       | 200      | 200     | 1,40 |
| 5M- 40 | 40200040 | 40       | 63,66  | 62,52       | 200      | 200     | 1,55 |
| 5M- 42 | 40200042 | 42       | 66,85  | 65,71       | 200      | 200     | 1,73 |
| 5M- 44 | 40200044 | 44       | 70,03  | 68,89       | 200      | 200     | 1,90 |
| 5M- 45 | 40200045 | 45       | 71,62  | 70,48       | 200      | 200     | 1,99 |
| 5M- 48 | 40200048 | 48       | 76,40  | 75,26       | 200      | 200     | 2,27 |
| 5M- 50 | 40200050 | 50       | 79,58  | 78,44       | 200      | 200     | 2,48 |
| 5M- 60 | 40200060 | 60       | 95,5   | 94,36       | 200      | 200     | 3,60 |
| 5M- 72 | 40200072 | 72       | 114,59 | 113,45      | 200      | 200     | 5,28 |

## HTD® 8M (pitch 8 mm)

Aluminium material suitable for the hard oxidation.

**MATERIAL**  
C45 EN 10083



| TYPE   | CODE     | N. TEETH | Dp     | De EXTERNAL | L USEFUL | L TOTAL | Kg    |
|--------|----------|----------|--------|-------------|----------|---------|-------|
| 8M- 18 | 40400018 | 18       | 45,84  | 44,47       | 200      | 200     | 2,03  |
| 8M- 19 | 40400019 | 19       | 48,38  | 47,01       | 200      | 200     | 2,30  |
| 8M- 20 | 40400020 | 20       | 50,93  | 49,56       | 200      | 200     | 2,57  |
| 8M- 21 | 40400021 | 21       | 53,48  | 52,11       | 200      | 200     | 2,88  |
| 8M- 22 | 40400022 | 22       | 56,02  | 54,65       | 200      | 200     | 3,18  |
| 8M- 23 | 40400023 | 23       | 58,57  | 57,20       | 200      | 200     | 3,52  |
| 8M- 24 | 40400024 | 24       | 61,12  | 59,75       | 200      | 200     | 3,86  |
| 8M- 25 | 40400025 | 25       | 63,66  | 62,29       | 200      | 200     | 4,23  |
| 8M- 26 | 40400026 | 26       | 66,21  | 64,84       | 200      | 200     | 4,60  |
| 8M- 28 | 40400028 | 28       | 71,30  | 69,93       | 200      | 200     | 5,40  |
| 8M- 30 | 40400030 | 30       | 76,40  | 75,03       | 200      | 200     | 6,27  |
| 8M- 32 | 40400032 | 32       | 81,49  | 80,12       | 200      | 200     | 7,20  |
| 8M- 34 | 40400034 | 34       | 86,58  | 85,21       | 200      | 200     | 8,20  |
| 8M- 35 | 40400035 | 35       | 89,13  | 87,76       | 200      | 200     | 8,71  |
| 8M- 36 | 40400036 | 36       | 91,68  | 90,31       | 200      | 200     | 9,26  |
| 8M- 38 | 40400038 | 38       | 96,77  | 95,40       | 200      | 200     | 19,39 |
| 8M- 40 | 40400040 | 40       | 101,86 | 100,49      | 200      | 200     | 11,58 |
| 8M- 44 | 40400044 | 44       | 112,05 | 110,67      | 200      | 200     | 14,16 |
| 8M- 48 | 40400048 | 48       | 122,23 | 120,86      | 200      | 200     | 16,99 |

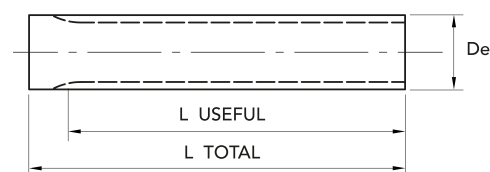


## T 2.5 (pitch 2.5 mm)

The **T 2.5** bars are built in **Aluminium** suitable for the hard oxidation thickness.

### MATERIAL

ALUMINIUM 6082-T6 EN 573



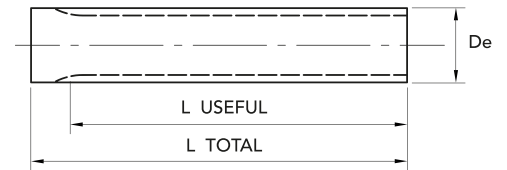
| TYPE       | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg   |
|------------|----------|----------|-------------|----------|---------|------|
| T 2,5- 10  | 45020010 | 10       | 7,45        | 50       | 75      | 0,01 |
| T 2,5- 12  | 45020012 | 12       | 9,00        | 50       | 75      | 0,01 |
| T 2,5- 13  | 45020013 | 13       | 9,80        | 50       | 75      | 0,02 |
| T 2,5- 14  | 45020014 | 14       | 10,60       | 50       | 75      | 0,02 |
| T 2,5- 15  | 45020015 | 15       | 11,40       | 50       | 75      | 0,02 |
| T 2,5- 16  | 45020016 | 16       | 12,20       | 50       | 75      | 0,03 |
| T 2,5- 17  | 45020017 | 17       | 13,00       | 50       | 75      | 0,03 |
| T 2,5- 18  | 45020018 | 18       | 13,80       | 50       | 75      | 0,03 |
| T 2,5- 19  | 45020019 | 19       | 14,60       | 90       | 120     | 0,05 |
| T 2,5- 20  | 45020020 | 20       | 15,40       | 90       | 120     | 0,06 |
| T 2,5- 21  | 45020021 | 21       | 16,20       | 90       | 120     | 0,06 |
| T 2,5- 22  | 45020022 | 22       | 17,00       | 125      | 140     | 0,08 |
| T 2,5- 24  | 45020024 | 24       | 18,55       | 125      | 140     | 0,09 |
| T 2,5- 26  | 45020026 | 26       | 20,15       | 125      | 140     | 0,10 |
| T 2,5- 27  | 45020027 | 27       | 20,95       | 125      | 140     | 0,12 |
| T 2,5- 28  | 45020028 | 28       | 21,75       | 125      | 140     | 0,13 |
| T 2,5- 29  | 45020029 | 29       | 22,55       | 125      | 140     | 0,14 |
| T 2,5- 30  | 45020030 | 30       | 23,35       | 125      | 140     | 0,16 |
| T 2,5- 32  | 45020032 | 32       | 24,95       | 125      | 140     | 0,18 |
| T 2,5- 34  | 45020034 | 34       | 26,55       | 125      | 140     | 0,20 |
| T 2,5- 35  | 45020035 | 35       | 27,35       | 132      | 140     | 0,20 |
| T 2,5- 36  | 45020036 | 36       | 28,10       | 132      | 140     | 0,22 |
| T 2,5- 38  | 45020038 | 38       | 29,70       | 140      | 140     | 0,25 |
| T 2,5- 40  | 45020040 | 40       | 31,30       | 140      | 140     | 0,28 |
| T 2,5- 42  | 45020042 | 42       | 32,90       | 140      | 140     | 0,31 |
| T 2,5- 44  | 45020044 | 44       | 34,50       | 140      | 140     | 0,34 |
| T 2,5- 45  | 45020045 | 45       | 35,30       | 140      | 140     | 0,36 |
| T 2,5- 48  | 45020048 | 48       | 37,70       | 140      | 140     | 0,41 |
| T 2,5- 50  | 45020050 | 50       | 39,29       | 160      | 160     | 0,51 |
| T 2,5- 60  | 45020060 | 60       | 47,25       | 160      | 160     | 0,74 |
| T 2,5- 65  | 45020065 | 65       | 51,20       | 160      | 160     | 0,90 |
| T 2,5- 70  | 45020070 | 70       | 55,20       | 160      | 160     | 1,01 |
| T 2,5- 72  | 45020072 | 72       | 56,80       | 160      | 160     | 1,07 |
| T 2,5- 90  | 45020090 | 90       | 71,12       | 160      | 160     | 1,64 |
| T 2,5- 100 | 45020100 | 100      | 79,08       | 160      | 160     | 2,09 |



## T 5 (pitch 5 mm)

The **T5** bars are built in **Aluminium** suitable for the hard oxidation thickness.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



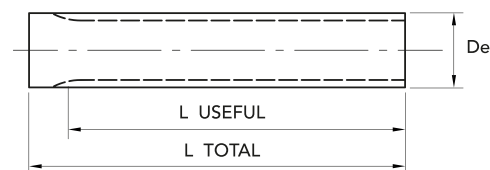
| TYPE     | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTALE | Kg   |
|----------|----------|----------|-------------|----------|----------|------|
| T 5- 10  | 45050010 | 10       | 15,05       | 125      | 140      | 0,07 |
| T 5- 11  | 45050011 | 11       | 16,65       | 125      | 140      | 0,08 |
| T 5- 12  | 45050012 | 12       | 18,25       | 125      | 140      | 0,10 |
| T 5- 13  | 45050013 | 13       | 19,85       | 125      | 140      | 0,12 |
| T 5- 14  | 45050014 | 14       | 21,45       | 140      | 140      | 0,13 |
| T 5- 15  | 45050015 | 15       | 23,05       | 140      | 140      | 0,16 |
| T 5- 16  | 45050016 | 16       | 24,60       | 140      | 140      | 0,18 |
| T 5- 17  | 45050017 | 17       | 26,20       | 140      | 140      | 0,20 |
| T 5- 18  | 45050018 | 18       | 27,00       | 140      | 140      | 0,22 |
| T 5- 19  | 45050019 | 19       | 29,40       | 140      | 140      | 0,24 |
| T 5- 20  | 45050020 | 20       | 31,00       | 160      | 160      | 0,31 |
| T 5- 21  | 45050021 | 21       | 32,70       | 160      | 160      | 0,33 |
| T 5- 22  | 45050022 | 22       | 34,15       | 160      | 160      | 0,36 |
| T 5- 23  | 45050023 | 23       | 35,85       | 160      | 160      | 0,40 |
| T 5- 24  | 45050024 | 24       | 37,40       | 160      | 160      | 0,44 |
| T 5- 25  | 45050025 | 25       | 38,95       | 160      | 160      | 0,48 |
| T 5- 26  | 45050026 | 26       | 40,60       | 160      | 160      | 0,53 |
| T 5- 27  | 45050027 | 27       | 42,20       | 160      | 160      | 0,57 |
| T 5- 28  | 45050028 | 28       | 43,75       | 160      | 160      | 0,61 |
| T 5- 29  | 45050029 | 29       | 45,35       | 160      | 160      | 0,66 |
| T 5- 30  | 45050030 | 30       | 46,95       | 160      | 160      | 0,69 |
| T 5- 32  | 45050032 | 32       | 50,10       | 160      | 160      | 0,81 |
| T 5- 34  | 45050034 | 34       | 53,25       | 160      | 160      | 0,91 |
| T 5- 35  | 45050035 | 35       | 54,85       | 160      | 160      | 0,98 |
| T 5- 36  | 45050036 | 36       | 56,45       | 160      | 160      | 1,04 |
| T 5- 37  | 45050037 | 37       | 58,06       | 160      | 160      | 1,10 |
| T 5- 38  | 45050038 | 38       | 59,65       | 160      | 160      | 1,17 |
| T 5- 40  | 45050040 | 40       | 62,85       | 160      | 160      | 1,33 |
| T 5- 42  | 45050042 | 42       | 66,00       | 160      | 160      | 1,43 |
| T 5- 44  | 45050044 | 44       | 69,20       | 160      | 160      | 1,58 |
| T 5- 45  | 45050045 | 45       | 70,80       | 160      | 160      | 1,65 |
| T 5- 46  | 45050046 | 46       | 72,40       | 160      | 160      | 1,72 |
| T 5- 48  | 45050048 | 48       | 75,55       | 160      | 160      | 1,88 |
| T 5- 50  | 45050050 | 50       | 78,75       | 160      | 160      | 2,05 |
| T 5- 60  | 45050060 | 60       | 94,65       | 160      | 160      | 3,00 |
| T 5- 72  | 45050072 | 72       | 113,75      | 160      | 160      | 4,34 |
| T 5- 80  | 45050080 | 80       | 126,48      | 160      | 160      | 5,38 |
| T 5- 90  | 45050090 | 90       | 142,40      | 160      | 160      | 6,84 |
| T 5- 100 | 45050100 | 100      | 158,31      | 160      | 160      | 8,46 |



## T 10 (pitch 10 mm)

The **T 10** bars are built in **Aluminium** suitable for the hard oxidation thickness.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



| TYPE     | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg    |
|----------|----------|----------|-------------|----------|---------|-------|
| T 10- 10 | 45100010 | 10       | 29,98       | 140      | 140     | 0,23  |
| T 10- 11 | 45100011 | 11       | 33,16       | 140      | 140     | 0,29  |
| T 10- 12 | 45100012 | 12       | 36,35       | 140      | 140     | 0,35  |
| T 10- 13 | 45100013 | 13       | 39,55       | 140      | 140     | 0,42  |
| T 10- 14 | 45100014 | 14       | 42,70       | 160      | 160     | 0,56  |
| T 10- 15 | 45100015 | 15       | 45,90       | 160      | 160     | 0,66  |
| T 10- 16 | 45100016 | 16       | 49,10       | 160      | 160     | 0,76  |
| T 10- 17 | 45100017 | 17       | 52,25       | 160      | 160     | 0,86  |
| T 10- 18 | 45100018 | 18       | 55,45       | 160      | 160     | 0,99  |
| T 10- 19 | 45100019 | 19       | 58,65       | 160      | 160     | 1,10  |
| T 10- 20 | 45100020 | 20       | 61,80       | 160      | 160     | 1,22  |
| T 10- 21 | 45100021 | 21       | 65,00       | 160      | 160     | 1,32  |
| T 10- 22 | 45100022 | 22       | 68,15       | 160      | 160     | 1,45  |
| T 10- 23 | 45100023 | 23       | 71,35       | 160      | 160     | 1,60  |
| T 10- 24 | 45100024 | 24       | 74,55       | 160      | 160     | 1,76  |
| T 10- 26 | 45100026 | 26       | 80,90       | 160      | 160     | 2,08  |
| T 10- 28 | 45100028 | 28       | 87,25       | 160      | 160     | 2,44  |
| T 10- 30 | 45100030 | 30       | 93,65       | 160      | 160     | 2,84  |
| T 10- 32 | 45100032 | 32       | 100,00      | 160      | 160     | 3,25  |
| T 10- 34 | 45100034 | 34       | 106,40      | 160      | 160     | 3,69  |
| T 10- 36 | 45100036 | 36       | 112,75      | 160      | 160     | 4,15  |
| T 10- 38 | 45100038 | 38       | 119,10      | 160      | 160     | 4,62  |
| T 10- 40 | 45100040 | 40       | 125,45      | 160      | 160     | 5,15  |
| T 10- 45 | 45100045 | 45       | 141,40      | 160      | 160     | 6,59  |
| T 10- 48 | 45100048 | 48       | 150,95      | 160      | 160     | 7,55  |
| T 10- 60 | 45100060 | 60       | 189,15      | 160      | 160     | 11,78 |
| T 10- 72 | 45100072 | 72       | 227,29      | 160      | 160     | 17,16 |

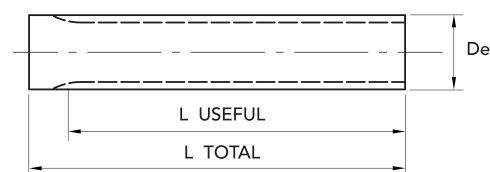




## CT 5 (pitch 5 mm)

The CT5 bars are built in **Aluminium** suitable for the hard oxidation thickness.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



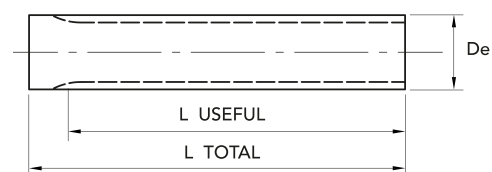
| TYPE    | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTALE | Kg   |
|---------|----------|----------|-------------|----------|----------|------|
| CT5- 12 | 46050012 | 12       | 17,85       | 140      | 140      | 0,08 |
| CT5- 13 | 46050013 | 13       | 19,45       | 140      | 140      | 0,10 |
| CT5- 14 | 46050014 | 14       | 21,05       | 140      | 140      | 0,12 |
| CT5- 15 | 46050015 | 15       | 22,65       | 140      | 140      | 0,14 |
| CT5- 16 | 46050016 | 16       | 24,20       | 140      | 140      | 0,15 |
| CT5- 18 | 46050018 | 18       | 27,40       | 140      | 140      | 0,20 |
| CT5- 19 | 46050019 | 19       | 29,00       | 140      | 140      | 0,23 |
| CT5- 20 | 46050020 | 20       | 30,60       | 160      | 160      | 0,30 |
| CT5- 21 | 46050021 | 21       | 32,30       | 160      | 160      | 0,33 |
| CT5- 22 | 46050022 | 22       | 33,85       | 160      | 160      | 0,36 |
| CT5- 23 | 46050023 | 23       | 35,45       | 160      | 160      | 0,40 |
| CT5- 24 | 46050024 | 24       | 37,00       | 160      | 160      | 0,44 |
| CT5- 25 | 46050025 | 25       | 38,55       | 160      | 160      | 0,47 |
| CT5- 26 | 46050026 | 26       | 40,20       | 160      | 160      | 0,51 |
| CT5- 28 | 46050028 | 28       | 43,25       | 160      | 160      | 0,60 |
| CT5- 30 | 46050030 | 30       | 46,55       | 160      | 160      | 0,69 |
| CT5- 32 | 46050032 | 32       | 49,70       | 160      | 160      | 0,81 |
| CT5- 34 | 46050034 | 34       | 52,85       | 160      | 160      | 0,90 |
| CT5- 36 | 46050036 | 36       | 56,05       | 160      | 160      | 1,02 |
| CT5- 38 | 46050038 | 38       | 59,25       | 160      | 160      | 1,14 |
| CT5- 40 | 46050040 | 40       | 62,45       | 160      | 160      | 1,28 |
| CT5- 42 | 46050042 | 42       | 65,60       | 160      | 160      | 1,41 |
| CT5- 44 | 46050044 | 44       | 68,80       | 160      | 160      | 1,55 |
| CT5- 46 | 46050046 | 46       | 72,00       | 160      | 160      | 1,70 |
| CT5- 48 | 46050048 | 48       | 75,15       | 160      | 160      | 1,85 |
| CT5- 52 | 46050052 | 52       | 81,55       | 160      | 160      | 2,19 |
| CT5- 56 | 46050056 | 56       | 87,90       | 160      | 160      | 2,55 |
| CT5- 60 | 46050060 | 60       | 94,25       | 160      | 160      | 2,94 |
| CT5- 64 | 46050064 | 64       | 100,65      | 160      | 160      | 3,36 |
| CT5- 72 | 46050072 | 72       | 113,35      | 160      | 160      | 4,29 |



## CT 10 (pitch 10 mm)

The **CT 10** bars are built in **Aluminium** suitable for the hard oxidation thickness.

**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



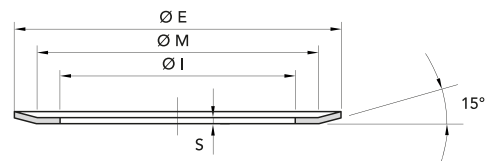
| TYPE     | CODE     | N. TEETH | De EXTERNAL | L USEFUL | L TOTAL | Kg    |
|----------|----------|----------|-------------|----------|---------|-------|
| CT10- 15 | 46100015 | 15       | 45,90       | 160      | 160     | 0,62  |
| CT10- 16 | 46100016 | 16       | 49,14       | 160      | 160     | 0,72  |
| CT10- 18 | 46100018 | 18       | 55,45       | 160      | 160     | 0,92  |
| CT10- 19 | 46100019 | 19       | 58,65       | 160      | 160     | 1,05  |
| CT10- 20 | 46100020 | 20       | 61,80       | 160      | 160     | 1,17  |
| CT10- 21 | 46100021 | 21       | 65,00       | 160      | 160     | 1,31  |
| CT10- 22 | 46100022 | 22       | 68,20       | 160      | 160     | 1,44  |
| CT10- 23 | 46100023 | 23       | 71,35       | 160      | 160     | 1,60  |
| CT10- 24 | 46100024 | 24       | 74,55       | 160      | 160     | 1,75  |
| CT10- 25 | 46100025 | 25       | 77,75       | 160      | 160     | 1,91  |
| CT10- 26 | 46100026 | 26       | 80,90       | 160      | 160     | 2,06  |
| CT10- 28 | 46100028 | 28       | 87,25       | 160      | 160     | 2,42  |
| CT10- 30 | 46100030 | 30       | 93,65       | 160      | 160     | 2,79  |
| CT10- 32 | 46100032 | 32       | 100,00      | 160      | 160     | 3,20  |
| CT10- 34 | 46100034 | 34       | 106,40      | 160      | 160     | 3,65  |
| CT10- 36 | 46100036 | 36       | 112,75      | 160      | 160     | 4,09  |
| CT10- 38 | 46100038 | 38       | 119,10      | 160      | 160     | 4,59  |
| CT10- 40 | 46100040 | 40       | 125,45      | 160      | 160     | 5,16  |
| CT10- 42 | 46100042 | 42       | 131,85      | 160      | 160     | 5,65  |
| CT10- 44 | 46100044 | 44       | 138,20      | 160      | 160     | 6,22  |
| CT10- 46 | 46100046 | 46       | 144,55      | 160      | 160     | 6,84  |
| CT10- 48 | 46100048 | 48       | 150,95      | 160      | 160     | 7,45  |
| CT10- 52 | 46100052 | 52       | 163,65      | 160      | 160     | 8,93  |
| CT10- 56 | 46100056 | 56       | 176,40      | 160      | 160     | 10,39 |
| CT10- 60 | 46100060 | 60       | 189,15      | 160      | 160     | 11,78 |



# THICKNESS 0,5 mm - 1 mm

**MATERIAL**  
S235 JR EN 10025

**ZINCPLATED**



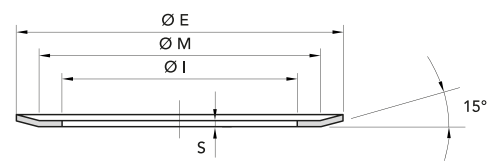
| THICKNESS 0,5 mm |          |                      |      |      |        |
|------------------|----------|----------------------|------|------|--------|
| N. FLANGE        | CODE     | Thickness S = 0,5 mm |      |      | Kg     |
|                  |          | Ø E                  | Ø I  | Ø M  |        |
| 501              | 49200501 | 13                   | 6    | 10   | 0,0004 |
| 502              | 49200502 | 15                   | 8    | 12   | 0,0005 |
| 503              | 49200503 | 16                   | 9,5  | 13   | 0,0005 |
| 504              | 49200504 | 17,5                 | 11,6 | 14,5 | 0,0005 |
| 505              | 49200505 | 20                   | 12,2 | 16,5 | 0,0008 |
| 506              | 49200506 | 25                   | 14,5 | 21,5 | 0,001  |
| 507              | 49200507 | 26                   | 17,8 | 24   | 0,001  |
| 508              | 49200508 | 28                   | 20   | 25   | 0,001  |
| 509              | 49200509 | 32                   | 23   | 27,5 | 0,001  |
| 510              | 49200510 | 36                   | 25   | 31   | 0,002  |
| 511              | 49200511 | 38                   | 26,5 | 34   | 0,002  |
| 512              | 49200512 | 22                   | 14,5 | 19   | 0,0008 |
| 513              | 49200513 | 42                   | 30,5 | 38   | 0,003  |
| 514              | 49200514 | 44                   | 32,5 | 40,5 | 0,003  |
| 515              | 49200515 | 51                   | 40   | 47   | 0,003  |
| 516              | 49200516 | 17,5                 | 10,5 | 14,5 | 0,0006 |
| 517              | 49200517 | 23                   | 14   | 20   | 0,001  |
| 518              | 49200518 | 25                   | 15   | 21,5 | 0,001  |
| 519              | 49200519 | 39                   | 28   | 34,5 | 0,002  |
| 520              | 49200520 | 48                   | 37   | 43,5 | 0,003  |

| THICKNESS 1 mm |          |                    |      |       |       |
|----------------|----------|--------------------|------|-------|-------|
| N. FLANGE      | CODE     | Thickness S = 1 mm |      |       | Kg    |
|                |          | Ø E                | Ø I  | Ø M   |       |
| 1              | 49200001 | 23                 | 12,5 | 18    | 0,003 |
| 2              | 49200002 | 25                 | 15   | 21,5  | 0,003 |
| 3              | 49200003 | 19,5               | 12   | 17,5  | 0,002 |
| 4              | 49200004 | 28                 | 17,8 | 24    | 0,003 |
| 5              | 49200005 | 32                 | 20   | 26    | 0,004 |
| 6              | 49200006 | 32                 | 23   | 27,5  | 0,003 |
| 7              | 49200007 | 35                 | 23   | 30,5  | 0,004 |
| 8              | 49200008 | 36                 | 25   | 31    | 0,004 |
| 9              | 49200009 | 38                 | 26,5 | 34    | 0,005 |
| 10             | 49200010 | 41                 | 30   | 36    | 0,005 |
| 11             | 49200011 | 48                 | 37   | 43,5  | 0,006 |
| 12             | 49200012 | 44                 | 32,5 | 40,5  | 0,006 |
| 13             | 49200013 | 42                 | 30,5 | 38    | 0,005 |
| 14             | 49200014 | 23                 | 14   | 20    | 0,002 |
| 15             | 49200015 | 39                 | 28   | 34,5  | 0,004 |
| 16             | 49200016 | 51                 | 40   | 47    | 0,006 |
| 17             |          |                    |      |       |       |
| 18             | 49200018 | 54                 | 43   | 50,5  | 0,007 |
| 19             |          |                    |      |       |       |
| 20             | 49200020 | 57                 | 47   | 51,5  | 0,006 |
| 21             | 49200021 | 60                 | 47   | 57    | 0,008 |
| 22             | 49200022 | 61                 | 49   | 56,5  | 0,008 |
| 23             | 49200023 | 64                 | 47   | 57    | 0,012 |
| 24             | 49200024 | 66,5               | 52   | 63    | 0,011 |
| 25             | 49200025 | 71                 | 56   | 64    | 0,012 |
| 26             | 49200026 | 70                 | 53   | 66,5  | 0,012 |
| 27             | 49200027 | 75                 | 60   | 68,5  | 0,012 |
| 28             |          |                    |      |       |       |
| 29             | 49200029 | 83                 | 68   | 78    | 0,014 |
| 30             |          |                    |      |       |       |
| 31             | 49200031 | 87                 | 72   | 82,5  | 0,014 |
| 32             | 49200032 | 91                 | 76   | 85,5  | 0,016 |
| 33             | 49200033 | 93                 | 80   | 89    | 0,014 |
| 34             |          |                    |      |       |       |
| 35             | 49200035 | 102                | 83   | 93,8  | 0,021 |
| 36             |          |                    |      |       |       |
| 37             |          |                    |      |       |       |
| 38             | 49200038 | 106                | 90   | 101   | 0,019 |
| 39             |          |                    |      |       |       |
| 40             |          |                    |      |       |       |
| 41             |          |                    |      |       |       |
| 42             |          |                    |      |       |       |
| 43             | 49200043 | 119                | 103  | 113,5 | 0,021 |
| 44             |          |                    |      |       |       |
| 45             |          |                    |      |       |       |
| 46             |          |                    |      |       |       |
| 47             | 49200047 | 131                | 115  | 125,5 | 0,024 |



## THICKNESS 1,5 mm - 2,5 mm

MATERIAL  
S235 JR EN 10025

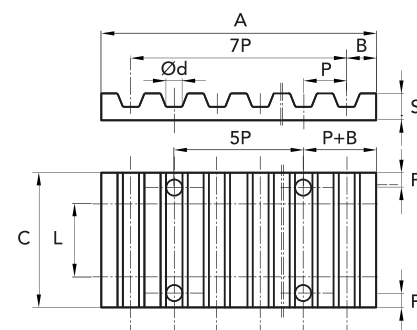


| THICKNESS 1,5 mm |          |                      |       |       |       |
|------------------|----------|----------------------|-------|-------|-------|
| N. FLANGE        | CODE     | Thickness S = 1,5 mm |       |       | Kg    |
|                  |          | Ø E                  | Ø I   | Ø M   |       |
| 50               | 49200050 | 37                   | 25    | 33    | 0,007 |
| 51               | 49200051 | 39                   | 28    | 34,5  | 0,007 |
| 52               | 49200052 | 43                   | 31    | 39    | 0,008 |
| 53               | 49200053 | 60                   | 47    | 57    | 0,013 |
| 54               | 49200054 | 48                   | 37    | 42    | 0,009 |
| 55               | 49200055 | 51                   | 38,5  | 45    | 0,020 |
| 56               | 49200056 | 54                   | 43    | 48    | 0,009 |
| 57               | 49200057 | 57                   | 46    | 51    | 0,020 |
| 58               | 49200058 | 60                   | 48    | 54,2  | 0,011 |
| 59               | 49200059 | 64                   | 47    | 57    | 0,017 |
| 60               | 49200060 | 66,5                 | 53    | 60,2  | 0,014 |
| 61               | 49200061 | 70                   | 53    | 64    | 0,019 |
| 62               | 49200062 | 75                   | 57    | 68    | 0,021 |
| 63               | 49200063 | 79                   | 60    | 72,5  | 0,024 |
| 64               | 49200064 | 82,5                 | 64    | 76    | 0,024 |
| 65               | 49200065 | 86                   | 68    | 81,5  | 0,025 |
| 66               | 49200066 | 91                   | 73    | 86    | 0,028 |
| 67               | 49200067 | 94                   | 76    | 88    | 0,028 |
| 68               | 49200068 | 97                   | 79    | 92    | 0,029 |
| 69               | 49200069 | 66                   | 52    | 61,5  | 0,015 |
| 70               | 49200070 | 102                  | 82,5  | 97    | 0,033 |
| 71               | 49200071 | 106                  | 86    | 100   | 0,034 |
| 72               | 49200072 | 112                  | 91    | 105,5 | 0,038 |
| 73               | 49200073 | 83                   | 68    | 76,5  | 0,021 |
| 74               | 49200074 | 115                  | 94    | 109   | 0,039 |
| 75               | 49200075 | 120                  | 99,5  | 112,5 | 0,041 |
| 76               | 49200076 | 87                   | 72    | 82,5  | 0,021 |
| 77               | 49200077 | 106                  | 90    | 101   | 0,027 |
| 78               | 49200078 | 128                  | 107   | 121   | 0,045 |
| 79               | 49200079 | 75                   | 60    | 70,5  | 0,018 |
| 80               | 49200080 | 135                  | 115   | 128,5 | 0,046 |
| 81               | 49200081 | 142                  | 120   | 137   | 0,051 |
| 82               | 49200082 | 82,5                 | 67    | 76    | 0,021 |
| 83               | 49200083 | 44                   | 32,5  | 40,5  | 0,008 |
| 84               |          |                      |       |       |       |
| 85               | 49200085 | 150                  | 130   | 145   | 0,052 |
| 86               | 49200086 | 158                  | 138,5 | 153   | 0,054 |
| 87               |          |                      |       |       |       |
| 88               |          |                      |       |       |       |
| 89               |          |                      |       |       |       |
| 90               | 49200090 | 168                  | 148   | 161   | 0,058 |
| 91               |          |                      |       |       |       |
| 92               |          |                      |       |       |       |
| 93               |          |                      |       |       |       |
| 94               | 49200094 | 180                  | 154   | 174   | 0,078 |
| 95               | 49200095 | 184                  | 162   | 177   | 0,068 |
| 96               | 49200096 | 192                  | 165   | 181,5 | 0,090 |
| 97               | 49200097 | 192                  | 173   | 187   | 0,060 |
| 98               |          |                      |       |       |       |
| 99               |          |                      |       |       |       |
| 100              | 49200100 | 200                  | 180   | 193   | 0,076 |

| THICKNESS 2,5 mm |          |                      |     |     |       |
|------------------|----------|----------------------|-----|-----|-------|
| N. FLANGE        | CODE     | Thickness S = 2,5 mm |     |     | Kg    |
|                  |          | Ø E                  | Ø I | Ø M |       |
| 150              |          |                      |     |     |       |
| 151              |          |                      |     |     |       |
| 152              |          |                      |     |     |       |
| 153              | 49200153 | 128                  | 107 | 124 | 0,075 |
| 154              | 49200154 | 138                  | 112 | 131 | 0,098 |
| 155              | 49200155 | 140                  | 107 | 125 | 0,125 |
| 156              | 49200156 | 146                  | 107 | 133 | 0,155 |
| 157              | 49200157 | 155                  | 107 | 139 | 0,191 |
| 158              | 49200158 | 160                  | 120 | 148 | 0,173 |
| 159              | 49200159 | 170                  | 120 | 153 | 0,225 |
| 160              | 49200160 | 154                  | 122 | 142 | 0,133 |
| 161              | 49200161 | 184                  | 135 | 168 | 0,241 |
| 162              | 49200162 | 188                  | 150 | 176 | 0,191 |
| 163              | 49200163 | 198                  | 150 | 180 | 0,255 |
| 164              | 49200164 | 205                  | 160 | 189 | 0,254 |
| 165              | 49200165 | 212                  | 162 | 200 | 0,288 |
| 166              | 49200166 | 160                  | 130 | 150 | 0,132 |
| 167              | 49200167 | 227                  | 176 | 210 | 0,318 |
| 168              | 49200168 | 168                  | 135 | 162 | 0,154 |
| 169              | 49200169 | 240                  | 192 | 224 | 0,342 |
| 170              | 49200170 | 256                  | 220 | 240 | 0,269 |
| 171              | 49200171 | 160                  | 136 | 150 | 0,105 |
| 172              | 49200172 | 183                  | 145 | 170 | 0,195 |
| 173              | 49200173 | 267                  | 220 | 240 | 0,362 |
| 174              | 49200174 | 188                  | 160 | 177 | 0,146 |
| 175              | 49200175 | 211                  | 173 | 198 | 0,216 |
| 176              |          |                      |     |     |       |
| 177              | 49200177 | 297                  | 249 | 280 | 0,391 |
| 178              | 49200178 | 290                  | 230 | 260 | 0,312 |
| 179              |          |                      |     |     |       |
| 180              | 49200180 | 226                  | 190 | 214 | 0,232 |
| 181              |          |                      |     |     |       |
| 182              | 49200182 | 256                  | 225 | 247 | 0,228 |
| 183              |          |                      |     |     |       |
| 184              | 49200184 | 296                  | 260 | 287 | 0,311 |



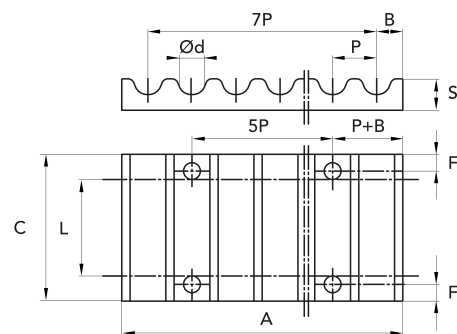
**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



| TYPE   | CODE     | P     | L     | F  | d    | B   | A     | S  | C    | Kg   |
|--------|----------|-------|-------|----|------|-----|-------|----|------|------|
| XL 025 | 49341001 | 5,08  | 6,35  | 6  | 5,5  | 3,5 | 42,5  | 8  | 25,5 | 0,02 |
| XL 037 | 49341003 | 5,08  | 9,52  | 6  | 5,5  | 3,5 | 42,5  | 8  | 28,5 | 0,02 |
| L 050  | 49342050 | 9,52  | 12,70 | 8  | 9,0  | 5,0 | 76,6  | 15 | 39   | 0,10 |
| L 075  | 49342075 | 9,52  | 19,05 | 8  | 9,0  | 5,0 | 76,6  | 15 | 45   | 0,12 |
| L 100  | 49342100 | 9,52  | 25,40 | 8  | 9,0  | 5,0 | 76,6  | 15 | 51,5 | 0,16 |
| H 050  | 49343050 | 12,70 | 12,70 | 10 | 11,0 | 9,0 | 106,9 | 22 | 45   | 0,25 |
| H 075  | 49343075 | 12,70 | 19,05 | 10 | 11,0 | 9,0 | 106,9 | 22 | 51   | 0,30 |
| H 100  | 49343100 | 12,70 | 25,40 | 10 | 11,0 | 9,0 | 106,9 | 22 | 57,5 | 0,33 |



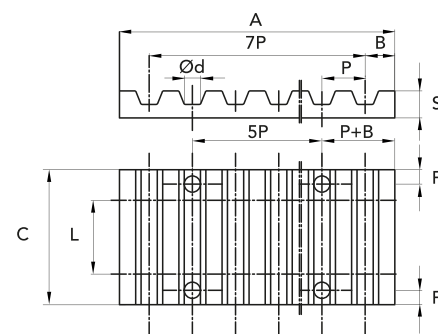
**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



| TYPE    | CODE     | P  | L   | F  | d   | B   | A    | S  | C   | Kg   |
|---------|----------|----|-----|----|-----|-----|------|----|-----|------|
| 5M 09   | 49340209 | 5  | 09  | 6  | 5,5 | 3,2 | 41,5 | 8  | 28  | 0,02 |
| 5M 15   | 49340215 | 5  | 15  | 6  | 5,5 | 3,2 | 41,5 | 8  | 34  | 0,03 |
| 5M 25   | 49340225 | 5  | 25  | 6  | 5,5 | 3,2 | 41,5 | 8  | 44  | 0,04 |
| 8M 20   | 49340420 | 8  | 20  | 8  | 9   | 5   | 66   | 15 | 45  | 0,10 |
| 8M 30   | 49340430 | 8  | 30  | 8  | 9   | 5   | 66   | 15 | 55  | 0,12 |
| 8M 50   | 49340450 | 8  | 50  | 8  | 9   | 5   | 66   | 15 | 75  | 0,17 |
| 8M 85   | 49340485 | 8  | 85  | 8  | 9   | 5   | 66   | 15 | 110 | 0,25 |
| 14M 40  | 49341440 | 14 | 40  | 10 | 11  | 9   | 116  | 22 | 71  | 0,40 |
| 14M 55  | 49341455 | 14 | 55  | 10 | 11  | 9   | 116  | 22 | 86  | 0,50 |
| 14M 85  | 49341485 | 14 | 85  | 10 | 11  | 9   | 116  | 22 | 116 | 0,68 |
| 14M 115 | 49341490 | 14 | 115 | 10 | 11  | 9   | 116  | 22 | 146 | 0,85 |
| 14M 170 | 49341492 | 14 | 170 | 10 | 11  | 9   | 116  | 22 | 201 | 1,20 |



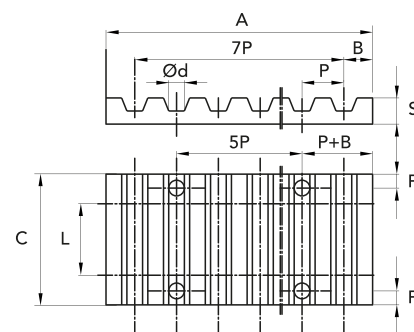
**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



| TYPE   | CODE     | P  | L  | F | d   | B   | A    | S  | C  | Kg   |
|--------|----------|----|----|---|-----|-----|------|----|----|------|
| T5 10  | 49340510 | 5  | 10 | 6 | 5,5 | 3,2 | 41,8 | 8  | 29 | 0,02 |
| T5 16  | 49340516 | 5  | 16 | 6 | 5,5 | 3,2 | 41,8 | 8  | 35 | 0,03 |
| T5 25  | 49340525 | 5  | 25 | 6 | 5,5 | 3,2 | 41,8 | 8  | 44 | 0,04 |
| T10 16 | 49341016 | 10 | 16 | 8 | 9   | 5   | 80   | 15 | 41 | 0,11 |
| T10 25 | 49341025 | 10 | 25 | 8 | 9   | 5   | 80   | 15 | 50 | 0,14 |
| T10 32 | 49341032 | 10 | 32 | 8 | 9   | 5   | 80   | 15 | 57 | 0,16 |
| T10 50 | 49341050 | 10 | 50 | 8 | 9   | 5   | 80   | 15 | 75 | 0,22 |



**MATERIAL**  
ALUMINIUM 6082-T6 EN 573



| TYPE    | CODE     | P  | L  | F | d   | B   | A    | S  | C  | Kg   |
|---------|----------|----|----|---|-----|-----|------|----|----|------|
| CT5 10  | 49346510 | 5  | 10 | 6 | 5,5 | 3,2 | 41,8 | 8  | 29 | 0,02 |
| CT5 16  | 49346516 | 5  | 16 | 6 | 5,5 | 3,2 | 41,8 | 8  | 35 | 0,03 |
| CT5 25  | 49346525 | 5  | 25 | 6 | 5,5 | 3,2 | 41,8 | 8  | 44 | 0,04 |
| CT10 16 | 49347016 | 10 | 16 | 8 | 9   | 5   | 80   | 15 | 41 | 0,11 |
| CT10 25 | 49347025 | 10 | 25 | 8 | 9   | 5   | 80   | 15 | 50 | 0,14 |
| CT10 32 | 49347032 | 10 | 32 | 8 | 9   | 5   | 80   | 15 | 57 | 0,16 |
| CT10 50 | 49347050 | 10 | 50 | 8 | 9   | 5   | 80   | 15 | 75 | 0,22 |







# Taper bushes brand RCB<sup>®</sup>

## LEGEND

PITCH = *PASSO*

# 10

## Index

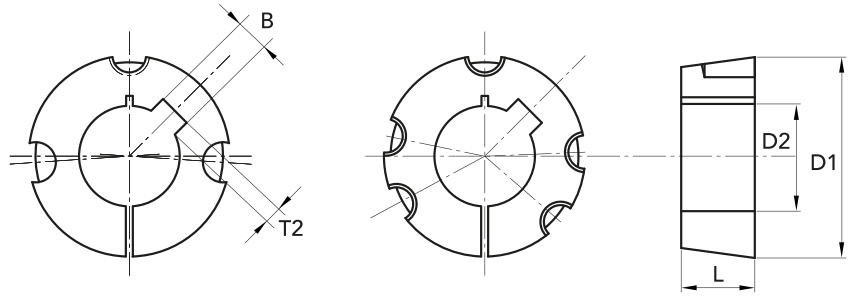
- 332 **BRAND RCB®**
- 339 **ADAPTORS** TAPER BUSHES TL



## METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

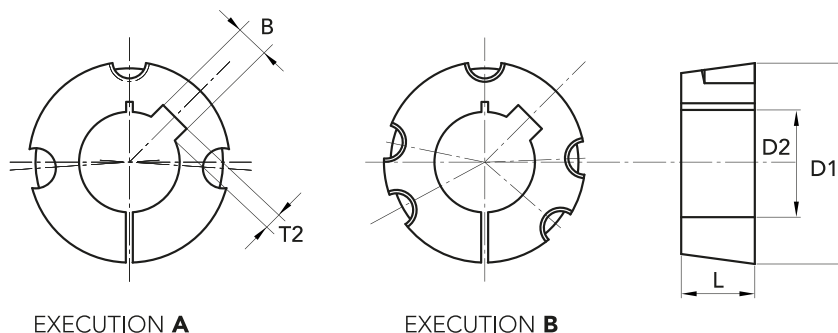
EXECUTION B

| TYPE | Ø D1 | CODE     | execution | L  | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.  |
|------|------|----------|-----------|----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|------|
|      |      |          |           |    | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |      |
| 1008 | 35   | 29100800 | A         | 22 | 8            | -                     | -            | -            | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1008 | 35   | 29100808 | A         | 22 | -            | 8                     | 2            | 1,0          | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1008 | 35   | 29100810 | A         | 22 | -            | 10                    | 3            | 1,4          | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1008 | 35   | 29100811 | A         | 22 | -            | 11                    | 4            | 1,8          | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1008 | 35   | 29100812 | A         | 22 | -            | 12                    | 4            | 1,8          | 1/4"x1/2"                  | 5,6               | 0,12 |
| 1008 | 35   | 29100814 | A         | 22 | -            | 14                    | 5            | 2,3          | 1/4"x1/2"                  | 5,6               | 0,12 |
| 1008 | 35   | 29100816 | A         | 22 | -            | 16                    | 5            | 2,3          | 1/4"x1/2"                  | 5,6               | 0,11 |
| 1008 | 35   | 29100818 | A         | 22 | -            | 18                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,10 |
| 1008 | 35   | 29100819 | A         | 22 | -            | 19                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,10 |
| 1008 | 35   | 29100820 | A         | 22 | -            | 20                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,09 |
| 1008 | 35   | 29100822 | A         | 22 | -            | 22                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,08 |
| 1008 | 35   | 29100824 | A         | 22 | -            | 24                    | 8            | 1,3          | 1/4"x1/2"                  | 5,6               | 0,07 |
| 1008 | 35   | 29100825 | A         | 22 | -            | 25                    | 8            | 1,3          | 1/4"x1/2"                  | 5,6               | 0,07 |
| 1108 | 38   | 29110800 | A         | 22 | 12           | -                     | -            | -            | 1/4"x1/2"                  | 5,6               | 0,15 |
| 1108 | 38   | 29110809 | A         | 22 | -            | 9                     | 3            | 1,4          | 1/4"x1/2"                  | 5,6               | 0,15 |
| 1108 | 38   | 29110811 | A         | 22 | -            | 11                    | 4            | 1,8          | 1/4"x1/2"                  | 5,6               | 0,15 |
| 1108 | 38   | 29110812 | A         | 22 | -            | 12                    | 4            | 1,8          | 1/4"x1/2"                  | 5,6               | 0,15 |
| 1108 | 38   | 29110814 | A         | 22 | -            | 14                    | 5            | 2,3          | 1/4"x1/2"                  | 5,6               | 0,15 |
| 1108 | 38   | 29110816 | A         | 22 | -            | 16                    | 5            | 2,3          | 1/4"x1/2"                  | 5,6               | 0,14 |
| 1108 | 38   | 29110818 | A         | 22 | -            | 18                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1108 | 38   | 29110819 | A         | 22 | -            | 19                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,13 |
| 1108 | 38   | 29110820 | A         | 22 | -            | 20                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,12 |
| 1108 | 38   | 29110822 | A         | 22 | -            | 22                    | 6            | 2,8          | 1/4"x1/2"                  | 5,6               | 0,11 |
| 1108 | 38   | 29110824 | A         | 22 | -            | 24                    | 8            | 3,3          | 1/4"x1/2"                  | 5,6               | 0,10 |
| 1108 | 38   | 29110825 | A         | 22 | -            | 25                    | 8            | 3,3          | 1/4"x1/2"                  | 5,6               | 0,09 |
| 1108 | 38   | 29110828 | A         | 22 | -            | 28                    | 8            | 2,0          | 1/4"x1/2"                  | 5,6               | 0,07 |
| 1210 | 47,5 | 29121000 | A         | 25 | 12           | -                     | -            | -            | 3/8"x5/8"                  | 19,6              | 0,28 |
| 1210 | 47,5 | 29121011 | A         | 25 | -            | 11                    | 4            | 1,8          | 3/8"x5/8"                  | 19,6              | 0,28 |
| 1210 | 47,5 | 29121012 | A         | 25 | -            | 12                    | 4            | 1,8          | 3/8"x5/8"                  | 19,6              | 0,28 |
| 1210 | 47,5 | 29121013 | A         | 25 | -            | 13                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,28 |
| 1210 | 47,5 | 29121014 | A         | 25 | -            | 14                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,27 |
| 1210 | 47,5 | 29121016 | A         | 25 | -            | 16                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,26 |
| 1210 | 47,5 | 29121018 | A         | 25 | -            | 18                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,25 |
| 1210 | 47,5 | 29121019 | A         | 25 | -            | 19                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,24 |
| 1210 | 47,5 | 29121020 | A         | 25 | -            | 20                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,24 |
| 1210 | 47,5 | 29121022 | A         | 25 | -            | 22                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,23 |
| 1210 | 47,5 | 29121024 | A         | 25 | -            | 24                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,21 |
| 1210 | 47,5 | 29121025 | A         | 25 | -            | 25                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,21 |
| 1210 | 47,5 | 29121028 | A         | 25 | -            | 28                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,18 |
| 1210 | 47,5 | 29121030 | A         | 25 | -            | 30                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,17 |
| 1210 | 47,5 | 29121032 | A         | 25 | -            | 32                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,15 |

# METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

EXECUTION B

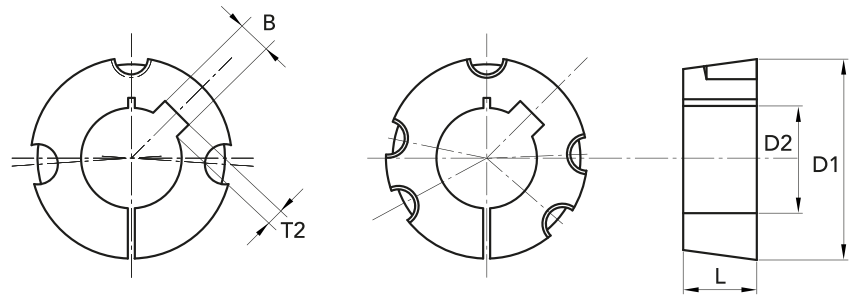
| TYPE | Ø D1 | CODE     | execution | L  | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.  |
|------|------|----------|-----------|----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|------|
|      |      |          |           |    | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |      |
| 1215 | 47,5 | 29121500 | A         | 38 | 12           | -                     | -            | -            | 3/8"x5/8"                  | 19,6              | 0,38 |
| 1215 | 47,5 | 29121514 | A         | 38 | -            | 14                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,38 |
| 1215 | 47,5 | 29121519 | A         | 38 | -            | 19                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,34 |
| 1215 | 47,5 | 29121520 | A         | 38 | -            | 20                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,34 |
| 1215 | 47,5 | 29121522 | A         | 38 | -            | 22                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,32 |
| 1215 | 47,5 | 29121524 | A         | 38 | -            | 24                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,29 |
| 1215 | 47,5 | 29121525 | A         | 38 | -            | 25                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,29 |
| 1215 | 47,5 | 29121528 | A         | 38 | -            | 28                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,26 |
| 1610 | 57   | 29161000 | A         | 25 | 12           | -                     | -            | -            | 3/8"x5/8"                  | 19,6              | 0,41 |
| 1610 | 57   | 29161012 | A         | 25 | -            | 12                    | 4            | 1,8          | 3/8"x5/8"                  | 19,6              | 0,41 |
| 1610 | 57   | 29161014 | A         | 25 | -            | 14                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,41 |
| 1610 | 57   | 29161015 | A         | 25 | -            | 15                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,41 |
| 1610 | 57   | 29161016 | A         | 25 | -            | 16                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,40 |
| 1610 | 57   | 29161018 | A         | 25 | -            | 18                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,39 |
| 1610 | 57   | 29161019 | A         | 25 | -            | 19                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,38 |
| 1610 | 57   | 29161020 | A         | 25 | -            | 20                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,38 |
| 1610 | 57   | 29161022 | A         | 25 | -            | 22                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,36 |
| 1610 | 57   | 29161024 | A         | 25 | -            | 24                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,36 |
| 1610 | 57   | 29161025 | A         | 25 | -            | 25                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,35 |
| 1610 | 57   | 29161028 | A         | 25 | -            | 28                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,32 |
| 1610 | 57   | 29161030 | A         | 25 | -            | 30                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,30 |
| 1610 | 57   | 29161032 | A         | 25 | -            | 32                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,29 |
| 1610 | 57   | 29161035 | A         | 25 | -            | 35                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,26 |
| 1610 | 57   | 29161038 | A         | 25 | -            | 38                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,23 |
| 1610 | 57   | 29161040 | A         | 25 | -            | 40                    | 12           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,21 |
| 1610 | 57   | 29161042 | A         | 25 | -            | 42                    | 12           | 2,2          | 3/8"x5/8"                  | 19,6              | 0,19 |
| 1615 | 57   | 29161500 | A         | 38 | 12           | -                     | -            | -            | 3/8"x5/8"                  | 19,6              | 0,58 |
| 1615 | 57   | 29161512 | A         | 38 | -            | 12                    | 4            | 1,8          | 3/8"x5/8"                  | 19,6              | 0,58 |
| 1615 | 57   | 29161514 | A         | 38 | -            | 14                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,58 |
| 1615 | 57   | 29161516 | A         | 38 | -            | 16                    | 5            | 2,3          | 3/8"x5/8"                  | 19,6              | 0,58 |
| 1615 | 57   | 29161518 | A         | 38 | -            | 18                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,56 |
| 1615 | 57   | 29161519 | A         | 38 | -            | 19                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,55 |
| 1615 | 57   | 29161520 | A         | 38 | -            | 20                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,55 |
| 1615 | 57   | 29161522 | A         | 38 | -            | 22                    | 6            | 2,8          | 3/8"x5/8"                  | 19,6              | 0,53 |
| 1615 | 57   | 29161524 | A         | 38 | -            | 24                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,50 |
| 1615 | 57   | 29161525 | A         | 38 | -            | 25                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,49 |
| 1615 | 57   | 29161528 | A         | 38 | -            | 28                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,47 |
| 1615 | 57   | 29161530 | A         | 38 | -            | 30                    | 8            | 3,3          | 3/8"x5/8"                  | 19,6              | 0,45 |
| 1615 | 57   | 29161532 | A         | 38 | -            | 32                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,41 |
| 1615 | 57   | 29161535 | A         | 38 | -            | 35                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,38 |
| 1615 | 57   | 29161538 | A         | 38 | -            | 38                    | 10           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,32 |
| 1615 | 57   | 29161540 | A         | 38 | -            | 40                    | 12           | 3,3          | 3/8"x5/8"                  | 19,6              | 0,29 |
| 1615 | 57   | 29161542 | A         | 38 | -            | 42                    | 12           | 2,2          | 3/8"x5/8"                  | 19,6              | 0,29 |



## METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

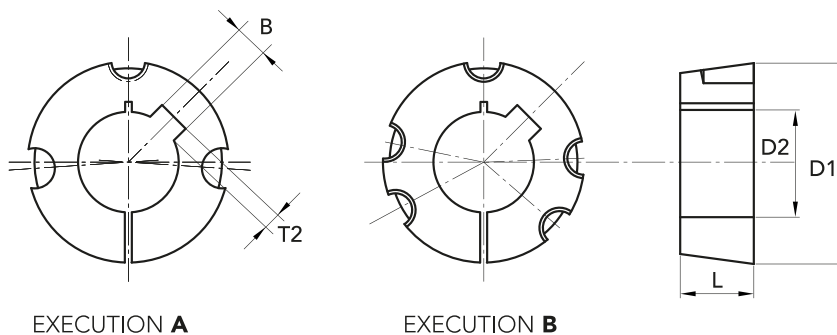
EXECUTION B

| TYPE | Ø D1 | CODE     | execution | L  | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.  |
|------|------|----------|-----------|----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|------|
|      |      |          |           |    | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |      |
| 2012 | 70   | 29201200 | A         | 32 | 16           | -                     | -            | -            | 7/16"x7/8"                 | 30,4              | 0,76 |
| 2012 | 70   | 29201212 | A         | 32 | -            | 12                    | 4            | 1,8          | 7/16"x7/8"                 | 30,4              | 0,76 |
| 2012 | 70   | 29201216 | A         | 32 | -            | 16                    | 5            | 2,3          | 7/16"x7/8"                 | 30,4              | 0,76 |
| 2012 | 70   | 29201218 | A         | 32 | -            | 18                    | 6            | 2,8          | 7/16"x7/8"                 | 30,4              | 0,76 |
| 2012 | 70   | 29201219 | A         | 32 | -            | 19                    | 6            | 2,8          | 7/16"x7/8"                 | 30,4              | 0,76 |
| 2012 | 70   | 29201220 | A         | 32 | -            | 20                    | 6            | 2,8          | 7/16"x7/8"                 | 30,4              | 0,75 |
| 2012 | 70   | 29201222 | A         | 32 | -            | 22                    | 6            | 2,8          | 7/16"x7/8"                 | 30,4              | 0,73 |
| 2012 | 70   | 29201224 | A         | 32 | -            | 24                    | 8            | 3,3          | 7/16"x7/8"                 | 30,4              | 0,72 |
| 2012 | 70   | 29201225 | A         | 32 | -            | 25                    | 8            | 3,3          | 7/16"x7/8"                 | 30,4              | 0,71 |
| 2012 | 70   | 29201228 | A         | 32 | -            | 28                    | 8            | 3,3          | 7/16"x7/8"                 | 30,4              | 0,68 |
| 2012 | 70   | 29201230 | A         | 32 | -            | 30                    | 8            | 3,3          | 7/16"x7/8"                 | 30,4              | 0,66 |
| 2012 | 70   | 29201232 | A         | 32 | -            | 32                    | 10           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,64 |
| 2012 | 70   | 29201233 | A         | 32 | -            | 33                    | 10           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,64 |
| 2012 | 70   | 29201235 | A         | 32 | -            | 35                    | 10           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,60 |
| 2012 | 70   | 29201238 | A         | 32 | -            | 38                    | 10           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,57 |
| 2012 | 70   | 29201240 | A         | 32 | -            | 40                    | 12           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,54 |
| 2012 | 70   | 29201242 | A         | 32 | -            | 42                    | 12           | 3,3          | 7/16"x7/8"                 | 30,4              | 0,51 |
| 2012 | 70   | 29201245 | A         | 32 | -            | 45                    | 14           | 3,8          | 7/16"x7/8"                 | 30,4              | 0,46 |
| 2012 | 70   | 29201248 | A         | 32 | -            | 48                    | 14           | 3,8          | 7/16"x7/8"                 | 30,4              | 0,40 |
| 2012 | 70   | 29201250 | A         | 32 | -            | 50                    | 14           | 3,8          | 7/16"x7/8"                 | 30,4              | 0,37 |
| 2517 | 85,5 | 29251700 | A         | 45 | 15           | -                     | -            | -            | 1/2"x1"                    | 48                | 1,62 |
| 2517 | 85,5 | 29251715 | A         | 45 | -            | 15                    | 5            | 2,3          | 1/2"x1"                    | 48                | 1,62 |
| 2517 | 85,5 | 29251718 | A         | 45 | -            | 18                    | 6            | 2,8          | 1/2"x1"                    | 48                | 1,62 |
| 2517 | 85,5 | 29251719 | A         | 45 | -            | 19                    | 6            | 2,8          | 1/2"x1"                    | 48                | 1,62 |
| 2517 | 85,5 | 29251720 | A         | 45 | -            | 20                    | 6            | 2,8          | 1/2"x1"                    | 48                | 1,60 |
| 2517 | 85,5 | 29251722 | A         | 45 | -            | 22                    | 6            | 2,8          | 1/2"x1"                    | 48                | 1,57 |
| 2517 | 85,5 | 29251724 | A         | 45 | -            | 24                    | 8            | 3,3          | 1/2"x1"                    | 48                | 1,57 |
| 2517 | 85,5 | 29251725 | A         | 45 | -            | 25                    | 8            | 3,3          | 1/2"x1"                    | 48                | 1,56 |
| 2517 | 85,5 | 29251728 | A         | 45 | -            | 28                    | 8            | 3,3          | 1/2"x1"                    | 48                | 1,52 |
| 2517 | 85,5 | 29251730 | A         | 45 | -            | 30                    | 8            | 3,3          | 1/2"x1"                    | 48                | 1,49 |
| 2517 | 85,5 | 29251732 | A         | 45 | -            | 32                    | 10           | 3,3          | 1/2"x1"                    | 48                | 1,45 |
| 2517 | 85,5 | 29251733 | A         | 45 | -            | 33                    | 10           | 3,3          | 1/2"x1"                    | 48                | 1,40 |
| 2517 | 85,5 | 29251735 | A         | 45 | -            | 35                    | 10           | 3,3          | 1/2"x1"                    | 48                | 1,40 |
| 2517 | 85,5 | 29251738 | A         | 45 | -            | 38                    | 10           | 3,3          | 1/2"x1"                    | 48                | 1,40 |
| 2517 | 85,5 | 29251740 | A         | 45 | -            | 40                    | 12           | 3,3          | 1/2"x1"                    | 48                | 1,35 |
| 2517 | 85,5 | 29251742 | A         | 45 | -            | 42                    | 12           | 3,3          | 1/2"x1"                    | 48                | 1,27 |
| 2517 | 85,5 | 29251745 | A         | 45 | -            | 45                    | 14           | 3,8          | 1/2"x1"                    | 48                | 1,20 |
| 2517 | 85,5 | 29251748 | A         | 45 | -            | 48                    | 14           | 3,8          | 1/2"x1"                    | 48                | 1,13 |
| 2517 | 85,5 | 29251750 | A         | 45 | -            | 50                    | 14           | 3,8          | 1/2"x1"                    | 48                | 1,08 |
| 2517 | 85,5 | 29251755 | A         | 45 | -            | 55                    | 16           | 4,3          | 1/2"x1"                    | 48                | 0,96 |
| 2517 | 85,5 | 29251760 | A         | 45 | -            | 60                    | 18           | 4,4          | 1/2"x1"                    | 48                | 0,81 |
| 2517 | 85,5 | 29251765 | A         | 45 | -            | 65                    | 18           | 3,4          | 1/2"x1"                    | 48                | 0,65 |

**METRIC SERIES**

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

EXECUTION B

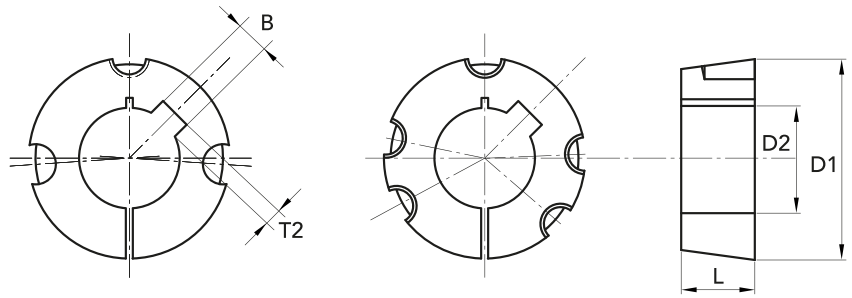
| TYPE | Ø D1 | CODE     | execution | L  | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.  |
|------|------|----------|-----------|----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|------|
|      |      |          |           |    | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |      |
| 3020 | 108  | 29302000 | A         | 51 | 20           | -                     | -            | -            | 5/8"x1" 1/4                | 90                | 2,79 |
| 3020 | 108  | 29302020 | A         | 51 | -            | 20                    | 6            | 2,8          | 5/8"x1" 1/4                | 90                | 2,79 |
| 3020 | 108  | 29302028 | A         | 51 | -            | 28                    | 8            | 3,3          | 5/8"x1" 1/4                | 90                | 2,79 |
| 3020 | 108  | 29302030 | A         | 51 | -            | 30                    | 8            | 3,3          | 5/8"x1" 1/4                | 90                | 2,84 |
| 3020 | 108  | 29302032 | A         | 51 | -            | 32                    | 10           | 3,3          | 5/8"x1" 1/4                | 90                | 2,80 |
| 3020 | 108  | 29302035 | A         | 51 | -            | 35                    | 10           | 3,3          | 5/8"x1" 1/4                | 90                | 2,75 |
| 3020 | 108  | 29302038 | A         | 51 | -            | 38                    | 10           | 3,3          | 5/8"x1" 1/4                | 90                | 2,67 |
| 3020 | 108  | 29302040 | A         | 51 | -            | 40                    | 12           | 3,3          | 5/8"x1" 1/4                | 90                | 2,64 |
| 3020 | 108  | 29302042 | A         | 51 | -            | 42                    | 12           | 3,3          | 5/8"x1" 1/4                | 90                | 2,59 |
| 3020 | 108  | 29302045 | A         | 51 | -            | 45                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 2,52 |
| 3020 | 108  | 29302048 | A         | 51 | -            | 48                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 2,43 |
| 3020 | 108  | 29302050 | A         | 51 | -            | 50                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 2,37 |
| 3020 | 108  | 29302055 | A         | 51 | -            | 55                    | 16           | 4,3          | 5/8"x1" 1/4                | 90                | 2,23 |
| 3020 | 108  | 29302060 | A         | 51 | -            | 60                    | 18           | 4,4          | 5/8"x1" 1/4                | 90                | 2,07 |
| 3020 | 108  | 29302065 | A         | 51 | -            | 65                    | 18           | 4,4          | 5/8"x1" 1/4                | 90                | 1,89 |
| 3020 | 108  | 29302070 | A         | 51 | -            | 70                    | 20           | 4,9          | 5/8"x1" 1/4                | 90                | 1,69 |
| 3020 | 108  | 29302075 | A         | 51 | -            | 75                    | 20           | 4,9          | 5/8"x1" 1/4                | 90                | 1,49 |
| 3030 | 108  | 29303000 | A         | 76 | 30           | -                     | -            | -            | 5/8"x1" 1/4                | 90                | 3,95 |
| 3030 | 108  | 29303030 | A         | 76 | -            | 30                    | 8            | 3,3          | 5/8"x1" 1/4                | 90                | 3,95 |
| 3030 | 108  | 29303035 | A         | 76 | -            | 35                    | 10           | 3,3          | 5/8"x1" 1/4                | 90                | 3,95 |
| 3030 | 108  | 29303038 | A         | 76 | -            | 38                    | 10           | 3,3          | 5/8"x1" 1/4                | 90                | 3,86 |
| 3030 | 108  | 29303040 | A         | 76 | -            | 40                    | 12           | 3,3          | 5/8"x1" 1/4                | 90                | 3,80 |
| 3030 | 108  | 29303042 | A         | 76 | -            | 42                    | 12           | 3,3          | 5/8"x1" 1/4                | 90                | 3,69 |
| 3030 | 108  | 29303045 | A         | 76 | -            | 45                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 3,55 |
| 3030 | 108  | 29303048 | A         | 76 | -            | 48                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 3,45 |
| 3030 | 108  | 29303050 | A         | 76 | -            | 50                    | 14           | 3,8          | 5/8"x1" 1/4                | 90                | 3,42 |
| 3030 | 108  | 29303055 | A         | 76 | -            | 55                    | 16           | 4,3          | 5/8"x1" 1/4                | 90                | 3,18 |
| 3030 | 108  | 29303060 | A         | 76 | -            | 60                    | 18           | 4,4          | 5/8"x1" 1/4                | 90                | 2,95 |
| 3030 | 108  | 29303065 | A         | 76 | -            | 65                    | 18           | 4,4          | 5/8"x1" 1/4                | 90                | 2,68 |
| 3030 | 108  | 29303070 | A         | 76 | -            | 70                    | 20           | 4,9          | 5/8"x1" 1/4                | 90                | 2,38 |
| 3030 | 108  | 29303075 | A         | 76 | -            | 75                    | 20           | 4,9          | 5/8"x1" 1/4                | 90                | 2,03 |



## METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

EXECUTION B

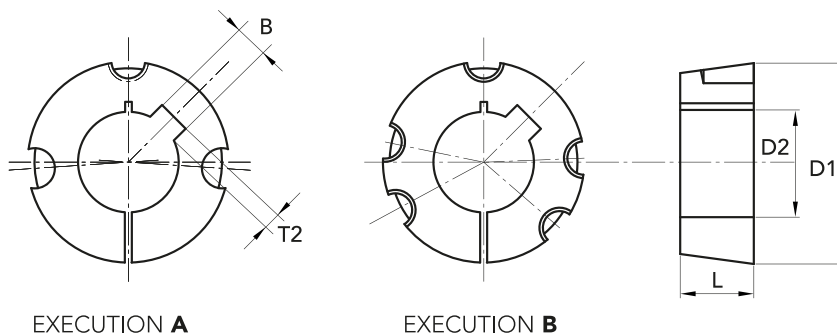
| TYPE | Ø D1 | CODE     | execution | L  | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.  |
|------|------|----------|-----------|----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|------|
|      |      |          |           |    | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |      |
| 3525 | 127  | 29352500 | B         | 65 | 30           | -                     | -            | -            | 1/2"x1" 1/2                | 113               | 4,85 |
| 3525 | 127  | 29352538 | B         | 65 | -            | 38                    | 10           | 3,3          | 1/2"x1" 1/2                | 113               | 4,85 |
| 3525 | 127  | 29352540 | B         | 65 | -            | 40                    | 12           | 3,3          | 1/2"x1" 1/2                | 113               | 4,80 |
| 3525 | 127  | 29352542 | B         | 65 | -            | 42                    | 12           | 3,3          | 1/2"x1" 1/2                | 113               | 4,71 |
| 3525 | 127  | 29352545 | B         | 65 | -            | 45                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 4,67 |
| 3525 | 127  | 29352548 | B         | 65 | -            | 48                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 4,55 |
| 3525 | 127  | 29352550 | B         | 65 | -            | 50                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 4,44 |
| 3525 | 127  | 29352555 | B         | 65 | -            | 55                    | 16           | 4,3          | 1/2"x1" 1/2                | 113               | 4,29 |
| 3525 | 127  | 29352560 | B         | 65 | -            | 60                    | 18           | 4,4          | 1/2"x1" 1/2                | 113               | 4,05 |
| 3525 | 127  | 29352565 | B         | 65 | -            | 65                    | 18           | 4,4          | 1/2"x1" 1/2                | 113               | 3,88 |
| 3525 | 127  | 29352570 | B         | 65 | -            | 70                    | 20           | 4,9          | 1/2"x1" 1/2                | 113               | 3,58 |
| 3525 | 127  | 29352575 | B         | 65 | -            | 75                    | 20           | 4,9          | 1/2"x1" 1/2                | 113               | 3,37 |
| 3525 | 127  | 29352580 | B         | 65 | -            | 80                    | 22           | 5,4          | 1/2"x1" 1/2                | 113               | 3,05 |
| 3525 | 127  | 29352585 | B         | 65 | -            | 85                    | 22           | 5,4          | 1/2"x1" 1/2                | 113               | 3,05 |
| 3525 | 127  | 29352590 | B         | 65 | -            | 90                    | 25           | 5,4          | 1/2"x1" 1/2                | 113               | 3,05 |
| 3525 | 127  | 29352595 | B         | 65 | -            | 95                    | 25           | 5,4          | 1/2"x1" 1/2                | 113               | 3,00 |
| 3535 | 127  | 29353500 | B         | 89 | 30           | -                     | -            | -            | 1/2"x1" 1/2                | 113               | 6,48 |
| 3535 | 127  | 29353530 | B         | 89 | -            | 30                    | 8            | 3,3          | 1/2"x1" 1/2                | 113               | 6,48 |
| 3535 | 127  | 29353535 | B         | 89 | -            | 35                    | 10           | 3,3          | 1/2"x1" 1/2                | 113               | 6,40 |
| 3535 | 127  | 29353538 | B         | 89 | -            | 38                    | 10           | 3,3          | 1/2"x1" 1/2                | 113               | 6,40 |
| 3535 | 127  | 29353540 | B         | 89 | -            | 40                    | 12           | 3,3          | 1/2"x1" 1/2                | 113               | 6,48 |
| 3535 | 127  | 29353542 | B         | 89 | -            | 42                    | 12           | 3,3          | 1/2"x1" 1/2                | 113               | 6,40 |
| 3535 | 127  | 29353545 | B         | 89 | -            | 45                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 6,25 |
| 3535 | 127  | 29353548 | B         | 89 | -            | 48                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 6,17 |
| 3535 | 127  | 29353550 | B         | 89 | -            | 50                    | 14           | 3,8          | 1/2"x1" 1/2                | 113               | 6,05 |
| 3535 | 127  | 29353555 | B         | 89 | -            | 55                    | 16           | 4,3          | 1/2"x1" 1/2                | 113               | 5,81 |
| 3535 | 127  | 29353560 | B         | 89 | -            | 60                    | 18           | 4,4          | 1/2"x1" 1/2                | 113               | 5,50 |
| 3535 | 127  | 29353565 | B         | 89 | -            | 65                    | 18           | 4,4          | 1/2"x1" 1/2                | 113               | 5,20 |
| 3535 | 127  | 29353570 | B         | 89 | -            | 70                    | 20           | 4,9          | 1/2"x1" 1/2                | 113               | 4,88 |
| 3535 | 127  | 29353575 | B         | 89 | -            | 75                    | 20           | 4,9          | 1/2"x1" 1/2                | 113               | 4,46 |
| 3535 | 127  | 29353580 | B         | 89 | -            | 80                    | 22           | 5,4          | 1/2"x1" 1/2                | 113               | 4,08 |
| 3535 | 127  | 29353585 | B         | 89 | -            | 85                    | 22           | 5,4          | 1/2"x1" 1/2                | 113               | 3,67 |
| 3535 | 127  | 29353590 | B         | 89 | -            | 90                    | 25           | 5,4          | 1/2"x1" 1/2                | 113               | 3,21 |



# METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



EXECUTION A

EXECUTION B

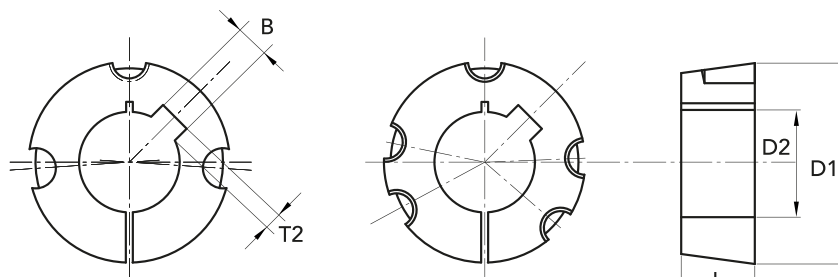
| TYPE | Ø D1 | CODE     | execution | L   | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.   |
|------|------|----------|-----------|-----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|-------|
|      |      |          |           |     | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |       |
| 4030 | 146  | 29403000 | B         | 76  | 30           | -                     | -            | -            | 5/8"x1" 3/4                | 169               | 6,65  |
| 4030 | 146  | 29403040 | B         | 76  | -            | 40                    | 12           | 3,3          | 5/8"x1" 3/4                | 169               | 6,75  |
| 4030 | 146  | 29403042 | B         | 76  | -            | 42                    | 12           | 3,3          | 5/8"x1" 3/4                | 169               | 6,65  |
| 4030 | 146  | 29403045 | B         | 76  | -            | 45                    | 14           | 3,8          | 5/8"x1" 3/4                | 169               | 6,58  |
| 4030 | 146  | 29403048 | B         | 76  | -            | 48                    | 14           | 3,8          | 5/8"x1" 3/4                | 169               | 6,55  |
| 4030 | 146  | 29403050 | B         | 76  | -            | 50                    | 14           | 3,8          | 5/8"x1" 3/4                | 169               | 6,40  |
| 4030 | 146  | 29403055 | B         | 76  | -            | 55                    | 16           | 4,3          | 5/8"x1" 3/4                | 169               | 6,40  |
| 4030 | 146  | 29403060 | B         | 76  | -            | 60                    | 18           | 4,4          | 5/8"x1" 3/4                | 169               | 6,35  |
| 4030 | 146  | 29403065 | B         | 76  | -            | 65                    | 18           | 4,4          | 5/8"x1" 3/4                | 169               | 6,35  |
| 4030 | 146  | 29403070 | B         | 76  | -            | 70                    | 20           | 4,9          | 5/8"x1" 3/4                | 169               | 6,30  |
| 4030 | 146  | 29403075 | B         | 76  | -            | 75                    | 20           | 4,9          | 5/8"x1" 3/4                | 169               | 6,30  |
| 4030 | 146  | 29403080 | B         | 76  | -            | 80                    | 22           | 5,4          | 5/8"x1" 3/4                | 169               | 6,10  |
| 4030 | 146  | 29403085 | B         | 76  | -            | 85                    | 22           | 5,4          | 5/8"x1" 3/4                | 169               | 6,10  |
| 4030 | 146  | 29403090 | B         | 76  | -            | 90                    | 25           | 5,4          | 5/8"x1" 3/4                | 169               | 5,90  |
| 4040 | 146  | 29404000 | B         | 102 | 35           | -                     | -            | -            | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404035 | B         | 102 | -            | 35                    | 10           | 3,3          | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404040 | B         | 102 | -            | 40                    | 12           | 3,3          | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404042 | B         | 102 | -            | 42                    | 12           | 3,3          | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404048 | B         | 102 | -            | 48                    | 14           | 3,8          | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404050 | B         | 102 | -            | 50                    | 14           | 3,8          | 5/8"x 1" 3/4               | 169               | 9,48  |
| 4040 | 146  | 29404055 | B         | 102 | -            | 55                    | 16           | 4,3          | 5/8"x 1" 3/4               | 169               | 9,27  |
| 4040 | 146  | 29404060 | B         | 102 | -            | 60                    | 18           | 4,4          | 5/8"x 1" 3/4               | 169               | 8,93  |
| 4040 | 146  | 29404065 | B         | 102 | -            | 65                    | 18           | 4,4          | 5/8"x 1" 3/4               | 169               | 8,65  |
| 4040 | 146  | 29404070 | B         | 102 | -            | 70                    | 20           | 4,9          | 5/8"x 1" 3/4               | 169               | 8,17  |
| 4040 | 146  | 29404075 | B         | 102 | -            | 75                    | 20           | 4,9          | 5/8"x 1" 3/4               | 169               | 7,78  |
| 4040 | 146  | 29404080 | B         | 102 | -            | 80                    | 22           | 5,4          | 5/8"x 1" 3/4               | 169               | 7,35  |
| 4040 | 146  | 29404085 | B         | 102 | -            | 85                    | 22           | 5,4          | 5/8"x 1" 3/4               | 169               | 6,89  |
| 4040 | 146  | 29404090 | B         | 102 | -            | 90                    | 25           | 5,4          | 5/8"x 1" 3/4               | 169               | 6,36  |
| 4040 | 146  | 29404095 | B         | 102 | -            | 95                    | 25           | 5,4          | 5/8"x 1" 3/4               | 169               | 5,94  |
| 4040 | 146  | 29404099 | B         | 102 | -            | 100                   | 28           | 6,4          | 5/8"x 1" 3/4               | 169               | 5,27  |
| 4535 | 162  | 29453500 | B         | 89  | 35           | -                     | -            | -            | 3/4"x2"                    | 192               | 10,70 |
| 4535 | 162  | 29453535 | B         | 89  | -            | 35                    | 10           | 3,3          | 3/4"x2"                    | 192               | 10,70 |
| 4535 | 162  | 29453565 | B         | 89  | -            | 65                    | 18           | 4,4          | 3/4"x2"                    | 192               | 10,50 |
| 4535 | 162  | 29453570 | B         | 89  | -            | 70                    | 20           | 4,9          | 3/4"x2"                    | 192               | 10,20 |
| 4535 | 162  | 29453575 | B         | 89  | -            | 75                    | 20           | 4,9          | 3/4"x2"                    | 192               | 9,95  |
| 4535 | 162  | 29453580 | B         | 89  | -            | 80                    | 22           | 5,4          | 3/4"x2"                    | 192               | 9,95  |
| 4535 | 162  | 29453585 | B         | 89  | -            | 85                    | 22           | 5,4          | 3/4"x2"                    | 192               | 9,90  |
| 4535 | 162  | 29453590 | B         | 89  | -            | 90                    | 25           | 5,4          | 3/4"x2"                    | 192               | 9,80  |
| 4535 | 162  | 29453595 | B         | 89  | -            | 95                    | 25           | 5,4          | 3/4"x2"                    | 192               | 9,75  |
| 4535 | 162  | 29453599 | B         | 89  | -            | 100                   | 28           | 6,4          | 3/4"x2"                    | 192               | 9,65  |



## METRIC SERIES

Bore tolerance **G7**  
Keyway in compliance with **DIN 6885-JS9**

**MATERIAL**  
CAST IRON G20/25 EN 1561



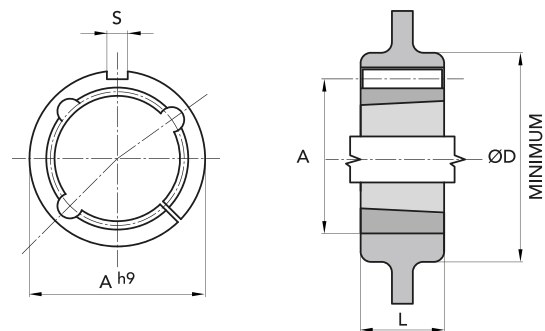
EXECUTION A

EXECUTION B

| TYPE | Ø D1  | CODE     | execution | L   | Ø D2 H8      | Ø D2 with bore ISO G7 | B            | T2           | GRUBSCREW                  | tightening torque | Kg.   |
|------|-------|----------|-----------|-----|--------------|-----------------------|--------------|--------------|----------------------------|-------------------|-------|
|      |       |          |           |     | only prebore | keyway DIN 6885-JS9   | keyway width | keyway depth | British Standard Whitworth | N/m               |       |
| 4545 | 162   | 29454500 | B         | 115 | 35           | -                     | -            | -            | 3/4"x2"                    | 192               | 13,15 |
| 4545 | 162   | 29454535 | B         | 115 | -            | 35                    | 10           | 3,3          | 3/4"x2"                    | 192               | 13,15 |
| 4545 | 162   | 29454555 | B         | 115 | -            | 55                    | 16           | 4,3          | 3/4"x2"                    | 192               | 13,15 |
| 4545 | 162   | 29454560 | B         | 115 | -            | 60                    | 18           | 4,4          | 3/4"x2"                    | 192               | 12,76 |
| 4545 | 162   | 29454565 | B         | 115 | -            | 65                    | 18           | 4,4          | 3/4"x2"                    | 192               | 12,38 |
| 4545 | 162   | 29454570 | B         | 115 | -            | 70                    | 20           | 4,9          | 3/4"x2"                    | 192               | 12,02 |
| 4545 | 162   | 29454575 | B         | 115 | -            | 75                    | 20           | 4,9          | 3/4"x2"                    | 192               | 11,57 |
| 4545 | 162   | 29454580 | B         | 115 | -            | 80                    | 22           | 5,4          | 3/4"x2"                    | 192               | 11,05 |
| 4545 | 162   | 29454585 | B         | 115 | -            | 85                    | 22           | 5,4          | 3/4"x2"                    | 192               | 10,46 |
| 4545 | 162   | 29454590 | B         | 115 | -            | 90                    | 25           | 5,4          | 3/4"x2"                    | 192               | 9,99  |
| 4545 | 162   | 29454595 | B         | 115 | -            | 95                    | 25           | 5,4          | 3/4"x2"                    | 192               | 9,42  |
| 4545 | 162   | 29454599 | B         | 115 | -            | 100                   | 28           | 6,4          | 3/4"x2"                    | 192               | 8,63  |
| 4545 | 162   | 29454610 | B         | 115 | -            | 110                   | 28           | 6,4          | 3/4"x2"                    | 192               | 7,37  |
| 5040 | 177,6 | 29504040 | B         | 102 | 40           | -                     | -            | -            | 7/8"x2" 1/4                | 272               | 12,20 |
| 5040 | 177,6 | 29504070 | B         | 102 | -            | 70                    | 20           | 4,9          | 7/8"x2" 1/4                | 272               | 11,90 |
| 5040 | 177,6 | 29504075 | B         | 102 | -            | 75                    | 20           | 4,9          | 7/8"x2" 1/4                | 272               | 11,90 |
| 5040 | 177,6 | 29504080 | B         | 102 | -            | 80                    | 22           | 5,4          | 7/8"x2" 1/4                | 272               | 11,30 |
| 5040 | 177,6 | 29504085 | B         | 102 | -            | 85                    | 22           | 5,4          | 7/8"x2" 1/4                | 272               | 11,30 |
| 5040 | 177,6 | 29504090 | B         | 102 | -            | 90                    | 25           | 5,4          | 7/8"x2" 1/4                | 272               | 10,60 |
| 5040 | 177,6 | 29504099 | B         | 102 | -            | 100                   | 28           | 6,4          | 7/8"x2" 1/4                | 272               | 10,60 |
| 5040 | 177,6 | 29504110 | B         | 102 | -            | 110                   | 28           | 6,4          | 7/8"x2" 1/4                | 272               | 10,00 |
| 5040 | 177,6 | 29504120 | B         | 102 | -            | 120                   | 32           | 7,4          | 7/8"x2" 1/4                | 272               | 9,70  |
| 5040 | 177,6 | 29504125 | B         | 102 | -            | 125                   | 32           | 7,4          | 7/8"x2" 1/4                | 272               | 9,70  |
| 5050 | 177,6 | 29505000 | B         | 127 | 50           | -                     | -            | -            | 7/8"x2" 1/4                | 272               | 16,70 |
| 5050 | 177,6 | 29505050 | B         | 127 | -            | 50                    | 14           | 3,8          | 7/8"x2" 1/4                | 272               | 16,70 |
| 5050 | 177,6 | 29505060 | B         | 127 | -            | 60                    | 18           | 4,4          | 7/8"x2" 1/4                | 272               | 17,00 |
| 5050 | 177,6 | 29505065 | B         | 127 | -            | 65                    | 18           | 4,4          | 7/8"x2" 1/4                | 272               | 16,70 |
| 5050 | 177,6 | 29505070 | B         | 127 | -            | 70                    | 20           | 4,9          | 7/8"x2" 1/4                | 272               | 16,70 |
| 5050 | 177,6 | 29505075 | B         | 127 | -            | 75                    | 20           | 4,9          | 7/8"x2" 1/4                | 272               | 16,05 |
| 5050 | 177,6 | 29505080 | B         | 127 | -            | 80                    | 22           | 5,4          | 7/8"x2" 1/4                | 272               | 15,56 |
| 5050 | 177,6 | 29505085 | B         | 127 | -            | 85                    | 22           | 5,4          | 7/8"x2" 1/4                | 272               | 15,00 |
| 5050 | 177,6 | 29505090 | B         | 127 | -            | 90                    | 25           | 5,4          | 7/8"x2" 1/4                | 272               | 14,43 |
| 5050 | 177,6 | 29505095 | B         | 127 | -            | 95                    | 25           | 5,4          | 7/8"x2" 1/4                | 272               | 13,88 |
| 5050 | 177,6 | 29505099 | B         | 127 | -            | 100                   | 28           | 6,4          | 7/8"x2" 1/4                | 272               | 13,05 |
| 5050 | 177,6 | 29505110 | B         | 127 | -            | 110                   | 28           | 6,4          | 7/8"x2" 1/4                | 272               | 11,56 |
| 5050 | 177,6 | 29505115 | B         | 127 | -            | 115                   | 32           | 7,4          | 7/8"x2" 1/4                | 272               | 15,17 |
| 5050 | 177,6 | 29505120 | B         | 127 | -            | 120                   | 32           | 7,4          | 7/8"x2" 1/4                | 272               | 9,78  |
| 5050 | 177,6 | 29505125 | B         | 127 | -            | 125                   | 32           | 7,4          | 7/8"x2" 1/4                | 272               | 9,05  |



**MATERIAL**  
CAST IRON G20/25 EN 1561



| TYPE ADAPTORS | CODE     | N. TAPER BUSHE | L   | A <sup>h9</sup> | Ø D FOR HUBS of PULLEYS and SPROCKETS |       | "b x h DIN 6885" | t1  | Kg    |
|---------------|----------|----------------|-----|-----------------|---------------------------------------|-------|------------------|-----|-------|
|               |          |                |     |                 | CAST IRON                             | STEEL |                  |     |       |
| ARC 1008      | 29901008 | 1008           | 22  | 45              | 75                                    | 60    | 5 x 5            | 3   | 0,45  |
| ARC 1210      | 29901210 | 1210           | 25  | 60              | 105                                   | 85    | 6 x 6            | 3,5 | 0,70  |
| ARC 1610      | 29901610 | 1610           | 25  | 70              | 115                                   | 95    | 10 x 8           | 5   | 0,80  |
| ARC 1615      | 29901615 | 1615           | 38  | 70              | 115                                   | 95    | 10 x 8           | 5   | 0,90  |
| ARC 2517      | 29902517 | 2517           | 45  | 105             | 150                                   | 130   | 16 x 10          | 6   | 2,20  |
| ARC 3030      | 29903030 | 3030           | 76  | 130             | 190                                   | 160   | 20 x 12          | 7,5 | 5,80  |
| ARC 3535      | 29903535 | 3535           | 90  | 160             | 240                                   | 200   | * 22 x 12        | 7,5 | 11,30 |
| ARC 4040      | 29904040 | 4040           | 102 | 185             | 290                                   | 240   | * 24 x 12        | 7,5 | 17,30 |

\* They differ from the Norma DIN 6885

# Clamping elements RCK<sup>®</sup>

## LEGEND

PITCH = *PASSO*

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| 346 | <b>BRAND RCK® 15</b> SERIES |
| 347 | <b>BRAND RCK® 16</b> SERIES |
| 348 | <b>BRAND RCK® 19</b> SERIES |
| 349 | <b>BRAND RCK® 40</b> SERIES |
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# Shaft clamping elements

The clamping system connects one or two components parts solidly to the drive shaft, which allows motion to be transmitted or to withstand an axial thrust.

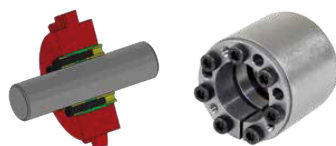
Friction connection enables gaps to be eliminated, thereby ensuring greater precision of the keyed components without requiring strict processing tolerances.

The thrust cones develop a pressure between the shaft and the hub, which enables pulleys, gears, chain sprockets, drums, flywheels, etc. to be anchored safely.

The easy assembly and disassembly features give users many advantages, leading to a further cost saving.

Chiaravalli Group S.p.A. provides its customers with different types of clamping elements, which are designed to cover a broad range of applications.





#### SELF CENTRING RCK 11 TYPE

Suitable for assemblies where special, even heavy-duty conditions are required, achieving maximum friction clamping results. It incorporates the best features of all the models which have been presented. It operates with very high torque values.



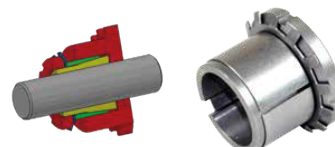
#### SELF CENTRING RCK 50 TYPE

Comprising two tapered rings, must always be mounted with a tightening flange. It operates with low torque values; it isn't self centring.



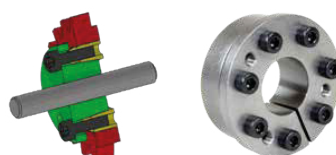
#### SELF CENTRING RCK 13 TYPE

Suitable for assemblies where good concentricity is required in small spaces with medium-high torque values. It can substitute RCK 40 in some cases.



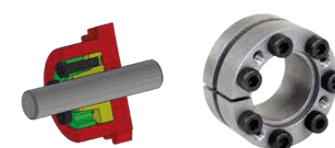
#### SELF CENTRING RCK 55 TYPE

Suitable for assemblies where limited overall dimensions and times are required. It operates with medium-low torque values.



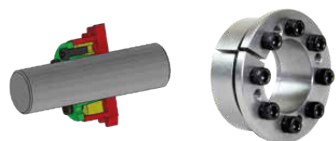
#### SELF CENTRING RCK 15 TYPE

Suitable for assemblies where axial and radial positioning accuracy is required with medium-high torque values. The main feature is the possibility of varying the internal bores while maintaining the external dimensions constant at only three diameters.



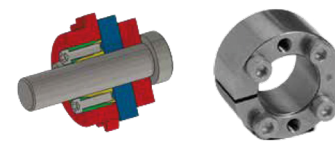
#### SELF CENTRING RCK 60 TYPE

Suitable for assemblies where a medium-high twisting moment is required. It operates in the opposite mode to RCK 13.



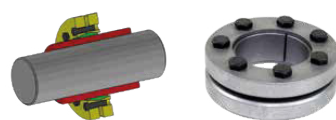
#### SELF CENTRING RCK 16 TYPE

Suitable for assemblies where concentricity and positioning accuracy is required. It operates with medium-high torque values.



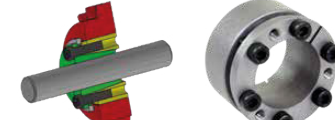
#### SELF CENTRING RCK 61 TYPE

Enables adjacent components to be clamped to the hub thanks to an axial force achieved during the clamping phase. It operates with medium torque values.



#### SELF CENTRING RCK 19 TYPE

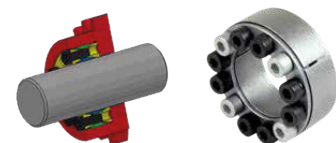
Suitable for assemblies where concentricity and positioning accuracy is required. It operates with medium-high torque values.



#### SELF CENTRING RCK 70-71 TYPE

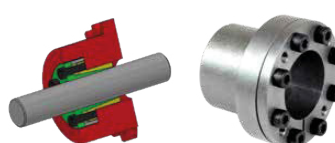
(RCK 71 eventually with spacer)

The RCK version is suitable for assemblies where concentricity and orthogonal positioning of the parts is required. The RCK 71 version has the same features as RCK 70 with the addition of a spacer ring to completely avoid possible axial displacements. These components operate with medium-high torque values.



#### SELF CENTRING RCK 40 TYPE

Suitable for general applications, it is not self centring and therefore requires a centring band to ensure perfect concentricity. It operates with medium-high torque values.



#### SELF CENTRING RCK 80 TYPE

Suitable for assemblies on hubs with thin walls guarantees both axial and radial positioning precision with medium transmission torque values.



#### SELF CENTRING RCK 45 TYPE

Suitable for applications where medium-low twisting moments are required with easy rapid assembly and disassembly operation. Not self centring.



#### SELF CENTRING RCK 90 TYPE

Enables rigid connection between two aligned shafts. It transmits medium-high twisting moments with the advantage of enabling rapid assembly and disassembly.



# RCK 11 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

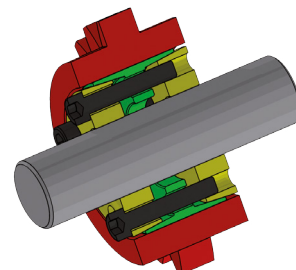
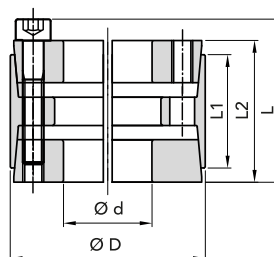
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having ød 45 with torque value less or equal to 3.200 Nm:

**RCK 11 - 45 x 75**

**Part Number 06110045**



|          | Dimensions |     |     |     |     | Max Torque | Clamping pressure |           |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |       |
|----------|------------|-----|-----|-----|-----|------------|-------------------|-----------|----|-----------------------------------|-----------|-------------------|----|-------|
| CODE     | Ød         | ØD  | L1  | L2  | L   | "Mt Nm"    | Shaft N/mm²       | Hub N/mm² | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg    |
| 06110025 | 25         | 55  | 32  | 40  | 46  | 840        | 295               | 134       | 6  | M6x35                             | 17        | M6                | 3  | 0,50  |
| 06110028 | 28         | 55  | 32  | 40  | 46  | 940        | 264               | 134       | 6  | M6x35                             | 17        | M6                | 3  | 0,60  |
| 06110030 | 30         | 55  | 32  | 40  | 46  | 1000       | 246               | 134       | 6  | M6x35                             | 17        | M6                | 3  | 0,60  |
| 06110035 | 35         | 60  | 44  | 54  | 60  | 1360       | 174               | 101       | 7  | M6x45                             | 17        | M6                | 3  | 0,70  |
| 06110038 | 38         | 75  | 44  | 54  | 62  | 2740       | 296               | 150       | 7  | M8x50                             | 41        | M8                | 3  | 0,70  |
| 06110040 | 40         | 75  | 44  | 54  | 62  | 2880       | 281               | 150       | 7  | M8x50                             | 41        | M8                | 3  | 0,70  |
| 06110042 | 42         | 75  | 44  | 54  | 62  | 3030       | 268               | 150       | 7  | M8x50                             | 41        | M8                | 3  | 1,00  |
| 06110045 | 45         | 75  | 44  | 54  | 62  | 3240       | 250               | 150       | 7  | M8x50                             | 41        | M8                | 3  | 0,90  |
| 06110048 | 48         | 80  | 56  | 64  | 72  | 3950       | 207               | 124       | 8  | M8x50                             | 41        | M8                | 3  | 1,40  |
| 06110050 | 50         | 80  | 56  | 64  | 72  | 4150       | 200               | 98        | 8  | M8x50                             | 41        | M8                | 3  | 1,30  |
| 06110055 | 55         | 85  | 56  | 64  | 72  | 5150       | 205               | 104       | 9  | M8x50                             | 41        | M8                | 3  | 1,50  |
| 06110060 | 60         | 90  | 56  | 64  | 72  | 6200       | 202               | 106       | 10 | M8x50                             | 41        | M8                | 4  | 1,60  |
| 06110065 | 65         | 95  | 56  | 64  | 72  | 6750       | 187               | 100       | 10 | M8x50                             | 41        | M8                | 4  | 1,80  |
| 06110070 | 70         | 110 | 70  | 78  | 88  | 11500      | 223               | 114       | 10 | M10x60                            | 83        | M10               | 4  | 3,00  |
| 06110075 | 75         | 115 | 70  | 78  | 88  | 12300      | 223               | 114       | 10 | M10x60                            | 83        | M10               | 4  | 3,30  |
| 06110080 | 80         | 120 | 70  | 78  | 88  | 14500      | 215               | 115       | 11 | M10x60                            | 83        | M10               | 4  | 3,50  |
| 06110085 | 85         | 125 | 70  | 78  | 88  | 15400      | 215               | 115       | 12 | M10x60                            | 83        | M10               | 5  | 3,70  |
| 06110090 | 90         | 130 | 70  | 78  | 88  | 17800      | 208               | 115       | 12 | M10x60                            | 83        | M10               | 5  | 3,55  |
| 06110095 | 95         | 135 | 70  | 78  | 88  | 18700      | 208               | 115       | 12 | M10x60                            | 83        | M10               | 5  | 3,75  |
| 06110100 | 100        | 145 | 90  | 100 | 112 | 26300      | 200               | 107       | 11 | M12x80                            | 145       | M12               | 4  | 5,80  |
| 06110110 | 110        | 155 | 90  | 100 | 112 | 31800      | 198               | 110       | 12 | M12x80                            | 145       | M12               | 5  | 6,25  |
| 06110120 | 120        | 165 | 90  | 100 | 112 | 40400      | 212               | 120       | 14 | M12x80                            | 145       | M12               | 5  | 6,65  |
| 06110130 | 130        | 180 | 104 | 116 | 130 | 51500      | 192               | 112       | 12 | M14x90                            | 230       | M14               | 5  | 9,30  |
| 06110140 | 140        | 190 | 104 | 116 | 130 | 64700      | 208               | 124       | 14 | M14x90                            | 230       | M14               | 7  | 9,75  |
| 06110150 | 150        | 200 | 104 | 116 | 130 | 74200      | 208               | 127       | 15 | M14x90                            | 230       | M14               | 6  | 10,35 |
| 06110160 | 160        | 210 | 104 | 116 | 130 | 84500      | 208               | 128       | 16 | M14x90                            | 230       | M14               | 7  | 10,95 |
| 06110170 | 170        | 225 | 134 | 148 | 164 | 108200     | 182               | 113       | 14 | M16x110                           | 355       | M16               | 6  | 16,20 |
| 06110180 | 180        | 235 | 134 | 148 | 164 | 123250     | 184               | 115       | 15 | M16x110                           | 355       | M16               | 7  | 16,90 |
| 06110190 | 190        | 250 | 134 | 148 | 164 | 133800     | 186               | 116       | 16 | M16x110                           | 355       | M16               | 7  | 19,85 |
| 06110200 | 200        | 260 | 134 | 148 | 164 | 146000     | 177               | 112       | 16 | M16x110                           | 355       | M16               | 7  | 22,00 |
| 06110220 | 220        | 285 | 134 | 148 | 164 | 181000     | 188               | 115       | 18 | M16x110                           | 355       | M16               | 8  | 25,00 |
| 06110240 | 240        | 305 | 134 | 148 | 164 | 218000     | 184               | 119       | 20 | M16x110                           | 355       | M16               | 9  | 27,00 |
| 06110260 | 260        | 325 | 134 | 148 | 164 | 250000     | 178               | 117       | 21 | M16x110                           | 355       | M16               | 10 | 30,00 |
| 06110280 | 280        | 355 | 165 | 177 | 197 | 360000     | 185               | 117       | 18 | M20x130                           | 690       | M20               | 8  | 46,00 |
| 06110300 | 300        | 375 | 165 | 177 | 197 | 428000     | 192               | 123       | 20 | M20x130                           | 690       | M20               | 9  | 50,00 |



# RCK 13 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

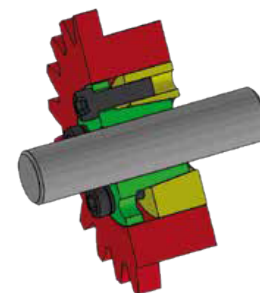
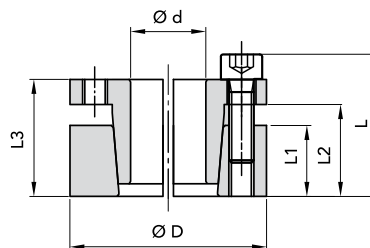
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having ød 30 with a torque value less than or equal 660 Nm:

**RCK 13 - 30 x 55**

**Part Number 06130030**



|          | Dimensions |     |    |    |    |    | Max Torque | Clamping pressure       |                       |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|----|------------|-------------------------|-----------------------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L2 | L3 | L  | "Mt Nm"    | Shaft N/mm <sup>2</sup> | Hub N/mm <sup>2</sup> | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06130018 | 18         | 47  | 17 | 22 | 28 | 34 | 310        | 314                     | 120                   | 5  | M6x20                             | 14        | M6                | 3  | 0,15 |
| 06130019 | 19         | 47  | 17 | 22 | 28 | 34 | 330        | 300                     | 120                   | 5  | M6x20                             | 14        | M6                | 3  | 0,15 |
| 06130020 | 20         | 47  | 17 | 22 | 28 | 34 | 380        | 295                     | 125                   | 5  | M6x20                             | 14        | M6                | 3  | 0,15 |
| 06130022 | 22         | 47  | 17 | 22 | 28 | 34 | 410        | 270                     | 125                   | 5  | M6x20                             | 14        | M6                | 3  | 0,30 |
| 06130024 | 24         | 50  | 17 | 22 | 28 | 34 | 440        | 243                     | 120                   | 6  | M6x20                             | 14        | M6                | 3  | 0,30 |
| 06130025 | 25         | 50  | 17 | 22 | 28 | 34 | 560        | 285                     | 140                   | 6  | M6x20                             | 14        | M6                | 3  | 0,30 |
| 06130028 | 28         | 55  | 17 | 22 | 28 | 34 | 630        | 255                     | 130                   | 6  | M6x20                             | 14        | M6                | 3  | 0,35 |
| 06130030 | 30         | 55  | 17 | 22 | 28 | 34 | 660        | 235                     | 130                   | 6  | M6x20                             | 14        | M6                | 3  | 0,35 |
| 06130032 | 32         | 60  | 17 | 22 | 28 | 34 | 960        | 295                     | 155                   | 8  | M6x20                             | 14        | M6                | 4  | 0,40 |
| 06130035 | 35         | 60  | 17 | 22 | 28 | 34 | 1050       | 270                     | 155                   | 8  | M6x20                             | 14        | M6                | 4  | 0,40 |
| 06130038 | 38         | 65  | 17 | 22 | 28 | 34 | 1140       | 250                     | 145                   | 8  | M6x20                             | 14        | M6                | 4  | 0,40 |
| 06130040 | 40         | 65  | 17 | 22 | 28 | 34 | 1200       | 235                     | 145                   | 8  | M6x20                             | 14        | M6                | 4  | 0,40 |
| 06130045 | 45         | 75  | 20 | 25 | 33 | 41 | 2180       | 290                     | 170                   | 7  | M8x25                             | 35        | M8                | 3  | 0,60 |
| 06130050 | 50         | 80  | 20 | 25 | 33 | 41 | 2430       | 260                     | 160                   | 7  | M8x25                             | 35        | M8                | 3  | 0,80 |
| 06130055 | 55         | 85  | 20 | 25 | 33 | 41 | 3070       | 270                     | 175                   | 8  | M8x25                             | 35        | M8                | 4  | 0,80 |
| 06130060 | 60         | 90  | 20 | 25 | 33 | 41 | 3350       | 245                     | 165                   | 8  | M8x25                             | 35        | M8                | 4  | 0,80 |
| 06130065 | 65         | 95  | 20 | 25 | 33 | 41 | 4080       | 255                     | 175                   | 9  | M8x25                             | 35        | M8                | 3  | 0,90 |
| 06130070 | 70         | 110 | 24 | 30 | 40 | 50 | 6280       | 280                     | 180                   | 8  | M10x30                            | 70        | M10               | 4  | 1,59 |
| 06130075 | 75         | 115 | 24 | 30 | 40 | 50 | 6680       | 260                     | 170                   | 8  | M10x30                            | 70        | M10               | 4  | 1,80 |
| 06130080 | 80         | 120 | 24 | 30 | 40 | 50 | 7130       | 250                     | 160                   | 8  | M10x30                            | 70        | M10               | 4  | 1,80 |
| 06130085 | 85         | 125 | 24 | 30 | 40 | 50 | 8480       | 260                     | 180                   | 9  | M10x30                            | 70        | M10               | 3  | 2,00 |
| 06130090 | 90         | 130 | 24 | 30 | 40 | 50 | 9080       | 250                     | 170                   | 9  | M10x30                            | 70        | M10               | 3  | 2,10 |
| 06130095 | 95         | 135 | 24 | 30 | 40 | 50 | 10580      | 260                     | 180                   | 10 | M10x30                            | 70        | M10               | 4  | 2,10 |
| 06130100 | 100        | 145 | 26 | 32 | 44 | 56 | 13380      | 270                     | 190                   | 8  | M12x35                            | 125       | M12               | 4  | 2,80 |
| 06130110 | 110        | 155 | 26 | 32 | 44 | 56 | 14580      | 240                     | 180                   | 8  | M12x35                            | 125       | M12               | 4  | 3,00 |
| 06130120 | 120        | 165 | 26 | 32 | 44 | 56 | 17880      | 250                     | 180                   | 9  | M12x35                            | 125       | M12               | 4  | 3,20 |
| 06130130 | 130        | 180 | 34 | 40 | 52 | 64 | 26000      | 240                     | 170                   | 12 | M12x35                            | 125       | M12               | 6  | 4,80 |
| 06130140 | 140        | 190 | 34 | 40 | 54 | 68 | 26980      | 210                     | 150                   | 9  | M14x40                            | 190       | M14               | 4  | 5,20 |
| 06130150 | 150        | 200 | 34 | 40 | 54 | 68 | 32980      | 230                     | 170                   | 10 | M14x40                            | 190       | M14               | 5  | 5,40 |
| 06130160 | 160        | 210 | 34 | 40 | 54 | 68 | 37980      | 230                     | 170                   | 11 | M14x40                            | 190       | M14               | 4  | 5,70 |
| 06130170 | 170        | 225 | 44 | 50 | 64 | 78 | 44980      | 180                     | 130                   | 12 | M14x40                            | 190       | M14               | 6  | 8,00 |
| 06130180 | 180        | 235 | 44 | 50 | 64 | 78 | 46980      | 170                     | 130                   | 12 | M14x40                            | 190       | M14               | 6  | 0,30 |



# RCK 15 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

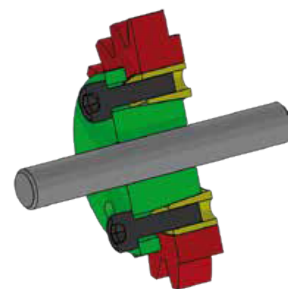
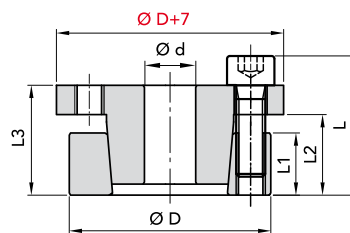
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having ød 40 with a torque value less than or equal 1030 Nm:

**RCK 15 - 40 x 65**

**Part Number 06151040**



|          | Dimensions |    |    |    |    |    | Max Torque | Clamping pressure |           |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|----|----|----|----|----|------------|-------------------|-----------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD | L1 | L2 | L3 | L  | "Mt Nm"    | Shaft N/mm²       | Hub N/mm² | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06150014 | 14         | 55 | 17 | 22 | 31 | 39 | 290        | 458               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150016 | 16         | 55 | 17 | 22 | 31 | 39 | 320        | 400               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150018 | 18         | 55 | 17 | 22 | 31 | 39 | 360        | 356               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150019 | 19         | 55 | 17 | 22 | 31 | 39 | 380        | 337               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150020 | 20         | 55 | 17 | 22 | 31 | 39 | 400        | 320               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150022 | 22         | 55 | 17 | 22 | 31 | 39 | 440        | 290               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150024 | 24         | 55 | 17 | 22 | 31 | 39 | 480        | 265               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150025 | 25         | 55 | 17 | 22 | 31 | 39 | 500        | 255               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,50 |
| 06150028 | 28         | 55 | 17 | 22 | 31 | 39 | 560        | 228               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,40 |
| 06150030 | 30         | 55 | 17 | 22 | 31 | 39 | 600        | 213               | 118       | 4  | M8x25                             | 41        | M8                | 2  | 0,40 |
| 06151024 | 24         | 65 | 17 | 22 | 31 | 39 | 620        | 332               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,70 |
| 06151025 | 25         | 65 | 17 | 22 | 31 | 39 | 640        | 320               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,70 |
| 06151028 | 28         | 65 | 17 | 22 | 31 | 39 | 720        | 285               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,60 |
| 06151030 | 30         | 65 | 17 | 22 | 31 | 39 | 770        | 267               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,60 |
| 06151032 | 32         | 65 | 17 | 22 | 31 | 39 | 820        | 250               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,60 |
| 06151033 | 33         | 65 | 17 | 22 | 31 | 39 | 850        | 235               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,60 |
| 06151035 | 35         | 65 | 17 | 22 | 31 | 39 | 900        | 228               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,50 |
| 06151038 | 38         | 65 | 17 | 22 | 31 | 39 | 980        | 210               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,50 |
| 06151040 | 40         | 65 | 17 | 22 | 31 | 39 | 1030       | 200               | 122       | 5  | M8x25                             | 41        | M8                | 3  | 0,50 |
| 06152030 | 30         | 80 | 20 | 25 | 33 | 41 | 1080       | 315               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06152032 | 32         | 80 | 20 | 25 | 33 | 41 | 1150       | 298               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06152033 | 33         | 80 | 20 | 25 | 33 | 41 | 1200       | 282               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06152035 | 35         | 80 | 20 | 25 | 33 | 41 | 1260       | 272               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06152038 | 38         | 80 | 20 | 25 | 33 | 41 | 1370       | 250               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06152040 | 40         | 80 | 20 | 25 | 33 | 41 | 1440       | 238               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,90 |
| 06152042 | 42         | 80 | 20 | 25 | 33 | 41 | 1510       | 226               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,90 |
| 06152045 | 45         | 80 | 20 | 25 | 33 | 41 | 1620       | 212               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,80 |
| 06152048 | 48         | 80 | 20 | 25 | 33 | 41 | 1730       | 198               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,80 |
| 06152050 | 50         | 80 | 20 | 25 | 33 | 41 | 1800       | 190               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,80 |
| 06153040 | 40         | 80 | 20 | 25 | 33 | 41 | 2150       | 340               | 169       | 10 | M8x25                             | 41        | M8                | 4  | 0,95 |
| 06153045 | 45         | 80 | 20 | 25 | 33 | 41 | 2420       | 302               | 169       | 10 | M8x25                             | 41        | M8                | 4  | 0,85 |
| 06153050 | 50         | 80 | 20 | 25 | 33 | 41 | 2700       | 272               | 169       | 10 | M8x25                             | 41        | M8                | 4  | 0,85 |

## RCK 16 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

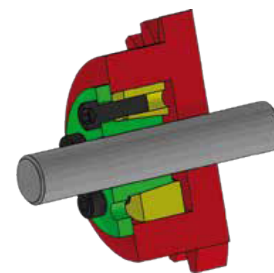
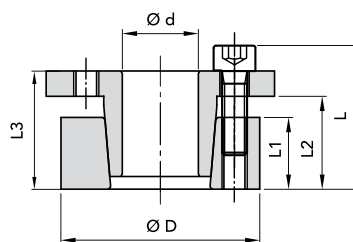
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having ød 75 with a torque value less than or equal 5000 Nm:

**RCK 16 - 75 x 115**

**Part Number 06160075**



|          | Dimensions |     |    |    |    |    | Max Torque | Clamping pressure |           |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|----|------------|-------------------|-----------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L2 | L3 | L  | "Mt Nm"    | Shaft N/mm²       | Hub N/mm² | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06160018 | 18         | 47  | 17 | 22 | 28 | 34 | 260        | 240               | 93        | 5  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160019 | 19         | 47  | 17 | 22 | 28 | 34 | 270        | 230               | 93        | 5  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160020 | 20         | 47  | 17 | 22 | 28 | 34 | 280        | 220               | 95        | 5  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160022 | 22         | 47  | 17 | 22 | 28 | 34 | 300        | 200               | 95        | 5  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160024 | 24         | 50  | 17 | 22 | 28 | 34 | 400        | 215               | 107       | 6  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160025 | 25         | 50  | 17 | 22 | 28 | 34 | 420        | 210               | 105       | 6  | M6x20                             | 17        | M6                | 3  | 0,30 |
| 06160028 | 28         | 55  | 17 | 22 | 28 | 34 | 470        | 190               | 96        | 6  | M6x20                             | 17        | M6                | 3  | 0,40 |
| 06160030 | 30         | 55  | 17 | 22 | 28 | 34 | 500        | 180               | 95        | 6  | M6x20                             | 17        | M6                | 3  | 0,40 |
| 06160032 | 32         | 60  | 17 | 22 | 28 | 34 | 720        | 220               | 115       | 8  | M6x20                             | 17        | M6                | 4  | 0,40 |
| 06160035 | 35         | 60  | 17 | 22 | 28 | 34 | 790        | 200               | 115       | 8  | M6x20                             | 17        | M6                | 4  | 0,40 |
| 06160038 | 38         | 65  | 17 | 22 | 28 | 34 | 850        | 185               | 105       | 8  | M6x20                             | 17        | M6                | 4  | 0,50 |
| 06160040 | 40         | 65  | 17 | 22 | 28 | 34 | 900        | 175               | 105       | 8  | M6x20                             | 17        | M6                | 4  | 0,50 |
| 06160045 | 45         | 75  | 20 | 25 | 33 | 41 | 1620       | 215               | 125       | 7  | M8x25                             | 41        | M8                | 3  | 0,70 |
| 06160050 | 50         | 80  | 20 | 25 | 33 | 41 | 1820       | 195               | 120       | 7  | M8x25                             | 41        | M8                | 3  | 0,80 |
| 06160055 | 55         | 85  | 20 | 25 | 33 | 41 | 2300       | 200               | 130       | 8  | M8x25                             | 41        | M8                | 4  | 0,90 |
| 06160060 | 60         | 90  | 20 | 25 | 33 | 41 | 2500       | 185               | 125       | 8  | M8x25                             | 41        | M8                | 4  | 0,90 |
| 06160065 | 65         | 95  | 20 | 25 | 33 | 41 | 3050       | 190               | 130       | 9  | M8x25                             | 41        | M8                | 3  | 1,00 |
| 06160070 | 70         | 110 | 24 | 30 | 40 | 50 | 4660       | 210               | 135       | 8  | M10x30                            | 83        | M10               | 4  | 1,90 |
| 06160075 | 75         | 115 | 24 | 30 | 40 | 50 | 5000       | 195               | 125       | 8  | M10x30                            | 83        | M10               | 4  | 2,00 |
| 06160080 | 80         | 120 | 24 | 30 | 40 | 50 | 5300       | 185               | 125       | 8  | M10x30                            | 83        | M10               | 4  | 2,00 |
| 06160085 | 85         | 125 | 24 | 30 | 40 | 50 | 6350       | 195               | 135       | 9  | M10x30                            | 83        | M10               | 3  | 2,00 |
| 06160090 | 90         | 130 | 24 | 30 | 40 | 50 | 6760       | 185               | 130       | 9  | M10x30                            | 83        | M10               | 3  | 2,20 |
| 06160095 | 95         | 135 | 24 | 30 | 40 | 50 | 7900       | 195               | 135       | 10 | M10x30                            | 83        | M10               | 4  | 2,30 |
| 06160100 | 100        | 145 | 26 | 32 | 44 | 56 | 9700       | 200               | 140       | 8  | M12x35                            | 145       | M12               | 4  | 3,00 |
| 06160110 | 110        | 155 | 26 | 32 | 44 | 56 | 10600      | 180               | 130       | 8  | M12x35                            | 145       | M12               | 4  | 3,20 |
| 06160120 | 120        | 165 | 26 | 32 | 44 | 56 | 13000      | 185               | 135       | 9  | M12x35                            | 145       | M12               | 4  | 3,40 |
| 06160130 | 130        | 180 | 34 | 40 | 52 | 64 | 18900      | 175               | 125       | 12 | M12x35                            | 145       | M12               | 6  | 5,20 |
| 06160140 | 140        | 190 | 34 | 40 | 54 | 68 | 20600      | 165               | 120       | 9  | M14x40                            | 230       | M14               | 4  | 5,40 |
| 06160150 | 150        | 200 | 34 | 40 | 54 | 68 | 25100      | 175               | 130       | 10 | M14x40                            | 230       | M14               | 5  | 5,70 |
| 06160160 | 160        | 210 | 34 | 40 | 54 | 68 | 29100      | 180               | 135       | 11 | M14x40                            | 230       | M14               | 4  | 6,00 |
| 06160170 | 170        | 225 | 44 | 50 | 64 | 78 | 34100      | 140               | 105       | 12 | M14x40                            | 230       | M14               | 6  | 8,30 |
| 06160180 | 180        | 235 | 44 | 50 | 64 | 78 | 36100      | 135               | 105       | 12 | M14x40                            | 230       | M14               | 6  | 8,80 |



## RCK 19 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

#### Ød h 8 DIAMETER

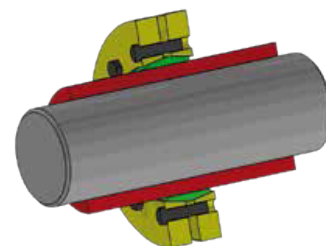
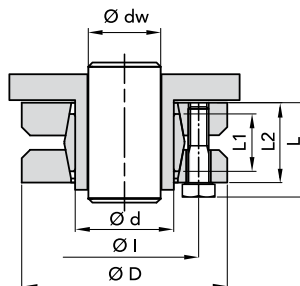
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 36 with a torque value less than or equal 440 Nm:

#### RCK 19 - 36 x 72

Part Number 06190036



### IMPORTANT:

Intern tapers are lubricated with products based on molybdenum bisulphide

|          | Dimensions |     |     |    |      |      |     |               | Max Torque | Clamping pressure       | Clamping screws DIN 912 MAT. 12.9 |        |           |      |
|----------|------------|-----|-----|----|------|------|-----|---------------|------------|-------------------------|-----------------------------------|--------|-----------|------|
| CODE     | Ød         | ØD  | Ødw | L1 | L2   | L    | Øl  | Ø dw. (dw-d1) | Mt Nm      | Shaft N/mm <sup>2</sup> | N.                                | TYPE   | TORQUE Nm | Kg   |
| 06190024 | 24         | 50  | 19  | 14 | 19,5 | 23   | 36  | 0,017         | 170        | 286                     | 6                                 | M5x18  | 4         | 0,20 |
|          |            |     | 20  |    |      |      |     |               | 210        |                         |                                   |        |           |      |
|          |            |     | 21  |    |      |      |     |               | 250        |                         |                                   |        |           |      |
| 06190030 | 30         | 60  | 24  | 16 | 21,5 | 25   | 44  | 0,017         | 300        | 233                     | 7                                 | M5x18  | 4         | 0,30 |
|          |            |     | 25  |    |      |      |     |               | 340        |                         |                                   |        |           |      |
|          |            |     | 26  |    |      |      |     |               | 380        |                         |                                   |        |           |      |
| 06190036 | 36         | 72  | 28  | 18 | 23,5 | 27,5 | 52  | 0,032         | 440        | 307                     | 5                                 | M6x20  | 12        | 0,40 |
|          |            |     | 30  |    |      |      |     |               | 570        |                         |                                   |        |           |      |
|          |            |     | 31  |    |      |      |     |               | 630        |                         |                                   |        |           |      |
| 06190044 | 44         | 80  | 32  | 20 | 25,5 | 29,5 | 61  | 0,032         | 620        | 317                     | 7                                 | M6x20  | 12        | 0,60 |
|          |            |     | 35  |    |      |      |     |               | 780        |                         |                                   |        |           |      |
|          |            |     | 36  |    |      |      |     |               | 860        |                         |                                   |        |           |      |
| 06190050 | 50         | 90  | 38  | 22 | 27,5 | 31,5 | 70  | 0,032         | 940        | 289                     | 8                                 | M6x25  | 12        | 0,80 |
|          |            |     | 40  |    |      |      |     |               | 1160       |                         |                                   |        |           |      |
|          |            |     | 42  |    |      |      |     |               | 1380       |                         |                                   |        |           |      |
| 06190055 | 55         | 100 | 42  | 23 | 30,5 | 34,5 | 75  | 0,032         | 1160       | 252                     | 8                                 | M6x25  | 12        | 1,10 |
|          |            |     | 45  |    |      |      |     |               | 1520       |                         |                                   |        |           |      |
|          |            |     | 48  |    |      |      |     |               | 1880       |                         |                                   |        |           |      |
| 06190062 | 62         | 110 | 48  | 23 | 30,5 | 34,5 | 86  | 0,048         | 1850       | 279                     | 10                                | M6x25  | 12        | 1,30 |
|          |            |     | 50  |    |      |      |     |               | 2200       |                         |                                   |        |           |      |
|          |            |     | 52  |    |      |      |     |               | 2400       |                         |                                   |        |           |      |
| 06190068 | 68         | 115 | 50  | 23 | 30,5 | 34,5 | 86  | 0,048         | 2000       | 255                     | 10                                | M6x25  | 12        | 1,40 |
|          |            |     | 55  |    |      |      |     |               | 2500       |                         |                                   |        |           |      |
|          |            |     | 60  |    |      |      |     |               | 3150       |                         |                                   |        |           |      |
| 06190075 | 75         | 138 | 55  | 25 | 32,5 | 37,8 | 100 | 0,048         | 2500       | 273                     | 7                                 | M8x30  | 30        | 1,70 |
|          |            |     | 60  |    |      |      |     |               | 3200       |                         |                                   |        |           |      |
|          |            |     | 65  |    |      |      |     |               | 3950       |                         |                                   |        |           |      |
| 06190080 | 80         | 145 | 60  | 25 | 32,5 | 37,8 | 100 | 0,048         | 3200       | 256                     | 7                                 | M8x30  | 30        | 1,90 |
|          |            |     | 65  |    |      |      |     |               | 3900       |                         |                                   |        |           |      |
|          |            |     | 70  |    |      |      |     |               | 4600       |                         |                                   |        |           |      |
| 06190090 | 90         | 155 | 65  | 30 | 39   | 44,3 | 114 | 0,048         | 4750       | 271                     | 10                                | M8x35  | 30        | 3,30 |
|          |            |     | 70  |    |      |      |     |               | 6000       |                         |                                   |        |           |      |
|          |            |     | 75  |    |      |      |     |               | 7250       |                         |                                   |        |           |      |
| 06190100 | 100        | 170 | 70  | 34 | 44   | 49,3 | 124 | 0,048         | 6900       | 258                     | 12                                | M8x35  | 30        | 4,70 |
|          |            |     | 75  |    |      |      |     |               | 7500       |                         |                                   |        |           |      |
|          |            |     | 80  |    |      |      |     |               | 9000       |                         |                                   |        |           |      |
| 06190110 | 110        | 185 | 75  | 39 | 50   | 56,4 | 136 | 0,048         | 7200       | 244                     | 9                                 | M10x40 | 59        | 5,90 |
|          |            |     | 80  |    |      |      |     |               | 9000       |                         |                                   |        |           |      |
|          |            |     | 85  |    |      |      |     |               | 10800      |                         |                                   |        |           |      |
| 06190125 | 125        | 215 | 85  | 42 | 54   | 60,4 | 160 | 0,069         | 11000      | 266                     | 12                                | M10x40 | 59        | 8,30 |
|          |            |     | 90  |    |      |      |     |               | 13000      |                         |                                   |        |           |      |
|          |            |     | 95  |    |      |      |     |               | 15000      |                         |                                   |        |           |      |
| 06190140 | 140        | 230 | 95  | 46 | 60,5 | 68   | 175 | 0,069         | 15100      | 264                     | 10                                | M12x45 | 100       | 10,0 |
|          |            |     | 100 |    |      |      |     |               | 17600      |                         |                                   |        |           |      |
|          |            |     | 105 |    |      |      |     |               | 20100      |                         |                                   |        |           |      |
| 06190155 | 155        | 265 | 105 | 50 | 64,5 | 72   | 192 | 0,069         | 22000      | 263                     | 12                                | M12x50 | 100       | 15,0 |
|          |            |     | 110 |    |      |      |     |               | 25000      |                         |                                   |        |           |      |
|          |            |     | 115 |    |      |      |     |               | 28000      |                         |                                   |        |           |      |
| 06190165 | 165        | 290 | 115 | 56 | 71   | 81   | 210 | 0,069         | 31000      | 277                     | 8                                 | M16x55 | 250       | 22,0 |
|          |            |     | 120 |    |      |      |     |               | 35000      |                         |                                   |        |           |      |
|          |            |     | 125 |    |      |      |     |               | 39000      |                         |                                   |        |           |      |
| 06190175 | 175        | 300 | 125 | 56 | 71   | 81   | 220 | 0,079         | 36000      | 261                     | 8                                 | M16x55 | 250       | 22,0 |
|          |            |     | 130 |    |      |      |     |               | 41000      |                         |                                   |        |           |      |
|          |            |     | 135 |    |      |      |     |               | 45000      |                         |                                   |        |           |      |
| 06190185 | 185        | 330 | 135 | 71 | 86   | 96   | 236 | 0,09          | 52000      | 237                     | 10                                | M16x70 | 250       | 24,0 |
|          |            |     | 140 |    |      |      |     |               | 57000      |                         |                                   |        |           |      |
|          |            |     | 145 |    |      |      |     |               | 62000      |                         |                                   |        |           |      |

# RCK 40 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

Ø h 8 FOR SHAFT

Ø H 8 FOR HUB

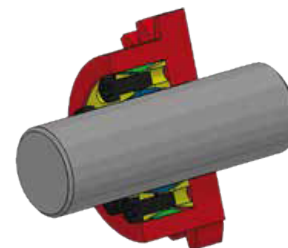
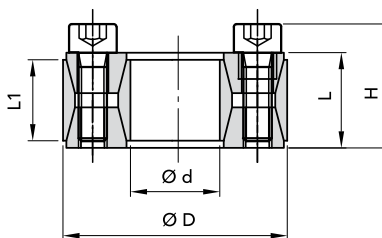
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 75 with a torque value less than or equal 4900 Nm:

RCK 40 - 75 x 115

Part Number 06400075



|          | Dimensions |     |    |    |    | Max Torque | Clamping pressure |           |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|------------|-------------------|-----------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L  | H  | "Mt Nm"    | Shaft N/mm²       | Hub N/mm² | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06400019 | 19         | 47  | 17 | 20 | 28 | 255        | 220               | 90        | 8  | M6x18                             | 14        | M8                | 2  | 0,25 |
| 06400020 | 20         | 47  | 17 | 20 | 28 | 270        | 210               | 90        | 8  | M6x18                             | 14        | M8                | 2  | 0,24 |
| 06400022 | 22         | 47  | 17 | 20 | 28 | 300        | 195               | 90        | 8  | M6x18                             | 14        | M8                | 2  | 0,23 |
| 06400024 | 24         | 50  | 17 | 20 | 28 | 360        | 195               | 95        | 9  | M6x18                             | 14        | M8                | 3  | 0,26 |
| 06400025 | 25         | 50  | 17 | 20 | 28 | 380        | 190               | 95        | 9  | M6x18                             | 14        | M8                | 3  | 0,25 |
| 06400028 | 28         | 55  | 17 | 20 | 28 | 500        | 187               | 96        | 10 | M6x18                             | 14        | M8                | 4  | 0,27 |
| 06400030 | 30         | 55  | 17 | 20 | 28 | 530        | 176               | 96        | 10 | M6x18                             | 14        | M8                | 4  | 0,27 |
| 06400032 | 32         | 60  | 17 | 20 | 28 | 630        | 192               | 105       | 12 | M6x18                             | 14        | M8                | 4  | 0,32 |
| 06400035 | 35         | 60  | 17 | 20 | 28 | 700        | 180               | 105       | 12 | M6x18                             | 14        | M8                | 4  | 0,32 |
| 06400038 | 38         | 65  | 17 | 20 | 28 | 860        | 183               | 107       | 14 | M6x18                             | 14        | M8                | 4  | 0,36 |
| 06400040 | 40         | 65  | 17 | 20 | 28 | 910        | 180               | 110       | 14 | M6x18                             | 14        | M8                | 4  | 0,34 |
| 06400042 | 42         | 75  | 20 | 24 | 34 | 1500       | 226               | 125       | 12 | M8x22                             | 35        | M10               | 4  | 0,48 |
| 06400045 | 45         | 75  | 20 | 24 | 34 | 1610       | 210               | 125       | 12 | M8x22                             | 35        | M10               | 4  | 0,57 |
| 06400048 | 48         | 80  | 20 | 24 | 34 | 1700       | 196               | 115       | 12 | M8x22                             | 35        | M10               | 4  | 0,59 |
| 06400050 | 50         | 80  | 20 | 24 | 34 | 1770       | 190               | 115       | 12 | M8x22                             | 35        | M10               | 4  | 0,60 |
| 06400055 | 55         | 85  | 20 | 24 | 34 | 2270       | 200               | 130       | 14 | M8x22                             | 35        | M10               | 4  | 0,63 |
| 06400060 | 60         | 90  | 20 | 24 | 34 | 2470       | 180               | 120       | 14 | M8x22                             | 35        | M10               | 4  | 0,69 |
| 06400065 | 65         | 95  | 20 | 24 | 34 | 3040       | 190               | 130       | 16 | M8x22                             | 35        | M12               | 4  | 0,73 |
| 06400070 | 70         | 110 | 24 | 28 | 40 | 4600       | 210               | 130       | 14 | M10x25                            | 70        | M12               | 4  | 1,26 |
| 06400075 | 75         | 115 | 24 | 28 | 40 | 4900       | 195               | 125       | 14 | M10x25                            | 70        | M12               | 4  | 1,33 |
| 06400080 | 80         | 120 | 24 | 28 | 40 | 5200       | 180               | 120       | 14 | M10x25                            | 70        | M12               | 4  | 1,40 |
| 06400085 | 85         | 125 | 24 | 28 | 40 | 6300       | 195               | 130       | 16 | M10x25                            | 70        | M12               | 4  | 1,49 |
| 06400090 | 90         | 130 | 24 | 28 | 40 | 6600       | 180               | 125       | 16 | M10x25                            | 70        | M12               | 4  | 1,53 |
| 06400095 | 95         | 135 | 24 | 28 | 40 | 7900       | 195               | 135       | 18 | M10x25                            | 70        | M12               | 4  | 1,62 |
| 06400100 | 100        | 145 | 26 | 33 | 47 | 9600       | 195               | 135       | 14 | M12x30                            | 125       | M14               | 4  | 2,01 |
| 06400110 | 110        | 155 | 26 | 33 | 47 | 10500      | 180               | 125       | 14 | M12x30                            | 125       | M14               | 4  | 2,15 |
| 06400120 | 120        | 165 | 26 | 33 | 47 | 13100      | 185               | 135       | 16 | M12x30                            | 125       | M14               | 4  | 2,35 |
| 06400130 | 130        | 180 | 34 | 38 | 52 | 17600      | 165               | 115       | 20 | M12x35                            | 125       | M14               | 4  | 3,51 |
| 06400140 | 140        | 190 | 34 | 38 | 52 | 20900      | 165               | 125       | 22 | M12x35                            | 125       | M14               | 4  | 3,85 |
| 06400150 | 150        | 200 | 34 | 38 | 52 | 24200      | 170               | 125       | 24 | M12x35                            | 125       | M14               | 4  | 4,07 |
| 06400160 | 160        | 210 | 34 | 38 | 52 | 28000      | 170               | 130       | 26 | M12x35                            | 125       | M14               | 4  | 4,30 |
| 06400170 | 170        | 225 | 38 | 44 | 60 | 32800      | 160               | 120       | 22 | M14x40                            | 190       | M16               | 4  | 5,80 |
| 06400180 | 180        | 235 | 38 | 44 | 60 | 37800      | 165               | 125       | 24 | M14x40                            | 190       | M16               | 4  | 6,00 |
| 06400190 | 190        | 250 | 46 | 52 | 68 | 46500      | 150               | 115       | 28 | M14x45                            | 190       | M16               | 4  | 8,50 |
| 06400200 | 200        | 260 | 46 | 52 | 68 | 52500      | 150               | 115       | 30 | M14x45                            | 190       | M16               | 5  | 8,60 |
| 06400220 | 220        | 285 | 50 | 56 | 74 | 68000      | 150               | 115       | 26 | M16x50                            | 295       | M18               | 3  | 11,0 |



## RCK 45 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

#### Ø h 8 FOR SHAFT

#### Ø H 8 FOR HUB

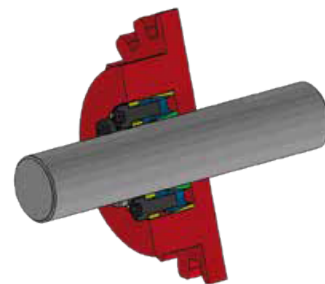
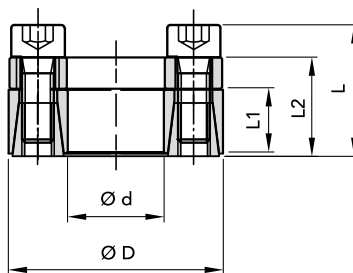
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 55 with a torque value less than or equal 2000 Nm:

#### RCK 45 - 55 x 83

Part Number 06450055



|          | Dimensions |     |    |      |      | Max Torque | Clamping pressure       |                       |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|-----|----|------|------|------------|-------------------------|-----------------------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L2   | L    | "Mt Nm"    | Shaft N/mm <sup>2</sup> | Hub N/mm <sup>2</sup> | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06450018 | 18         | 40  | 12 | 18,5 | 24,5 | 190        | 260                     | 120                   | 6  | M6x16                             | 16        | M8                | 2  | 0,20 |
| 06450019 | 19         | 41  | 12 | 18,5 | 24,5 | 210        | 260                     | 120                   | 6  | M6x16                             | 16        | M8                | 2  | 0,25 |
| 06450020 | 20         | 42  | 12 | 18,5 | 24,5 | 240        | 250                     | 120                   | 6  | M6x16                             | 16        | M8                | 2  | 0,24 |
| 06450024 | 24         | 46  | 12 | 18,5 | 24,5 | 290        | 250                     | 120                   | 6  | M6x16                             | 16        | M8                | 2  | 0,25 |
| 06450025 | 25         | 47  | 12 | 18,5 | 24,5 | 330        | 230                     | 120                   | 8  | M6x16                             | 16        | M8                | 2  | 0,25 |
| 06450028 | 28         | 50  | 12 | 18,5 | 24,5 | 370        | 220                     | 120                   | 8  | M6x16                             | 16        | M8                | 2  | 0,30 |
| 06450030 | 30         | 52  | 12 | 18,5 | 24,5 | 430        | 210                     | 120                   | 8  | M6x16                             | 16        | M8                | 2  | 0,30 |
| 06450035 | 35         | 57  | 15 | 22   | 28   | 610        | 170                     | 100                   | 12 | M6x16                             | 16        | M8                | 3  | 0,32 |
| 06450038 | 38         | 60  | 15 | 22   | 28   | 680        | 170                     | 100                   | 12 | M6x16                             | 16        | M8                | 3  | 0,36 |
| 06450040 | 40         | 62  | 15 | 22   | 28   | 780        | 170                     | 100                   | 12 | M6x16                             | 16        | M8                | 3  | 0,40 |
| 06450042 | 42         | 70  | 18 | 28   | 36   | 1480       | 190                     | 110                   | 12 | M8x22                             | 41        | M10               | 3  | 0,45 |
| 06450045 | 45         | 73  | 18 | 28   | 36   | 1500       | 210                     | 130                   | 12 | M8x22                             | 41        | M10               | 3  | 0,57 |
| 06450048 | 48         | 76  | 18 | 28   | 36   | 1550       | 210                     | 130                   | 12 | M8x22                             | 41        | M10               | 3  | 0,59 |
| 06450050 | 50         | 78  | 18 | 28   | 36   | 1650       | 190                     | 120                   | 12 | M8x22                             | 41        | M10               | 3  | 0,61 |
| 06450055 | 55         | 83  | 18 | 28   | 36   | 2000       | 190                     | 120                   | 16 | M8x22                             | 41        | M10               | 4  | 0,63 |
| 06450060 | 60         | 88  | 18 | 28   | 36   | 2350       | 190                     | 120                   | 16 | M8x22                             | 41        | M10               | 4  | 0,69 |
| 06450070 | 70         | 105 | 22 | 35   | 35   | 3900       | 180                     | 120                   | 12 | M10x25                            | 70        | M12               | 3  | 1,25 |
| 06450080 | 80         | 115 | 22 | 35   | 35   | 4800       | 170                     | 120                   | 16 | M10x25                            | 70        | M12               | 4  | 1,40 |

## RCK 50 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

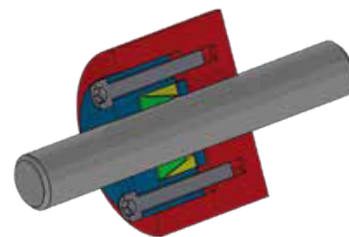
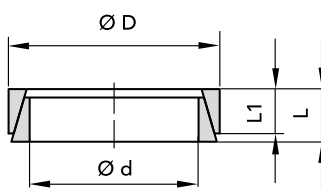
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 24 with a torque value less than or equal 73 Nm:

**RCK 50 - 24 x 28**

**Part Number 06500024**



\* cut horizontally

|           | Dimensions |    |      |     |                    | Max Torque | Clamping pressure |           |    |      |
|-----------|------------|----|------|-----|--------------------|------------|-------------------|-----------|----|------|
| CODE      | Ød         | ØD | L1   | L   | Necessary force Kg | "Mt Nm"    | Shaft N/mm²       | Hub N/mm² | N° | Kg   |
| 06500006P | *6         | 9  | 3,7  | 4,5 | 380                | 2,4        | 115               | 75        | 20 | 0,05 |
| 06500007P | *7         | 10 | 3,7  | 4,5 | 390                | 3,0        | 105               | 70        | 20 | 0,05 |
| 06500008P | *8         | 11 | 3,7  | 4,5 | 530                | 4,7        | 120               | 90        | 20 | 0,05 |
| 06500009P | 9          | 12 | 3,7  | 4,5 | 1560               | 7,9        | 140               | 105       | 20 | 0,05 |
| 06500010P | 10         | 13 | 3,7  | 4,5 | 1560               | 9,5        | 135               | 105       | 20 | 0,05 |
| 06500012P | 12         | 15 | 3,7  | 4,5 | 1560               | 11,4       | 115               | 90        | 20 | 0,05 |
| 06500013P | 13         | 16 | 3,7  | 4,5 | 1560               | 13,1       | 110               | 90        | 20 | 0,06 |
| 06500014P | 14         | 18 | 5,3  | 6,3 | 2540               | 22,3       | 115               | 90        | 20 | 0,11 |
| 06500015P | 15         | 19 | 5,3  | 6,3 | 2540               | 24,3       | 110               | 85        | 20 | 0,11 |
| 06500016P | 16         | 20 | 5,3  | 6,3 | 2540               | 27,3       | 105               | 85        | 20 | 0,11 |
| 06500017P | 17         | 21 | 5,3  | 6,3 | 2540               | 29,8       | 105               | 85        | 20 | 0,11 |
| 06500018P | 18         | 22 | 5,3  | 6,3 | 2540               | 32,4       | 100               | 80        | 20 | 0,15 |
| 06500019P | 19         | 24 | 5,3  | 6,3 | 3600               | 49         | 140               | 110       | 20 | 0,15 |
| 06500020P | 20         | 25 | 5,3  | 6,3 | 3600               | 53         | 135               | 105       | 5  | 0,05 |
| 06500022P | 22         | 26 | 5,3  | 6,3 | 3600               | 66         | 135               | 115       | 5  | 0,05 |
| 06500024P | 24         | 28 | 5,3  | 6,3 | 3600               | 73         | 130               | 110       | 5  | 0,05 |
| 06500025P | 25         | 30 | 5,3  | 6,3 | 3600               | 72         | 115               | 95        | 5  | 0,05 |
| 06500028P | 28         | 32 | 5,3  | 6,3 | 3600               | 86         | 115               | 100       | 5  | 0,06 |
| 06500030P | 30         | 35 | 5,3  | 6,3 | 3600               | 91         | 100               | 85        | 5  | 0,06 |
| 06500032P | 32         | 36 | 5,3  | 6,3 | 4500               | 131        | 130               | 115       | 5  | 0,06 |
| 06500035P | 35         | 40 | 6    | 7   | 5400               | 171        | 125               | 110       | 5  | 0,09 |
| 06500036P | 36         | 42 | 6    | 7   | 5400               | 169        | 115               | 100       | 5  | 0,10 |
| 06500038P | 38         | 44 | 6    | 7   | 5400               | 181        | 110               | 95        | 5  | 0,12 |
| 06500040P | 40         | 45 | 6,6  | 8   | 6600               | 231        | 115               | 105       | 5  | 0,12 |
| 06500042P | 42         | 48 | 6,6  | 8   | 6600               | 235        | 110               | 95        | 3  | 0,09 |
| 06500045P | 45         | 52 | 8,6  | 10  | 9900               | 353        | 105               | 95        | 3  | 0,14 |
| 06500048P | 48         | 55 | 8,6  | 10  | 13200              | 572        | 155               | 135       | 3  | 0,14 |
| 06500050P | 50         | 57 | 8,6  | 10  | 13200              | 602        | 150               | 130       | 3  | 0,14 |
| 06500055P | 55         | 62 | 8,6  | 10  | 13200              | 670        | 140               | 125       | 3  | 0,16 |
| 06500056P | 56         | 64 | 10,4 | 12  | 15720              | 790        | 130               | 115       | 3  | 0,22 |
| 06500060P | 60         | 68 | 10,4 | 12  | 15720              | 860        | 125               | 110       | 3  | 0,22 |
| 06500063P | 63         | 71 | 10,4 | 12  | 15720              | 910        | 120               | 105       | 3  | 0,25 |
| 06500065P | 65         | 73 | 10,4 | 12  | 15720              | 950        | 115               | 100       | 3  | 0,28 |
| 06500070P | 70         | 79 | 12,2 | 14  | 20960              | 1380       | 125               | 110       | 3  | 0,35 |
| 06500071P | 71         | 80 | 12,2 | 14  | 20960              | 1400       | 120               | 110       | 3  | 0,35 |
| 06500075P | 75         | 84 | 12,2 | 14  | 20960              | 1450       | 115               | 100       | 3  | 0,37 |
| 06500080P | 80         | 91 | 15   | 17  | 29000              | 2200       | 125               | 105       | 3  | 0,57 |



## RCK 55 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

#### Ø h 8 FOR SHAFT

#### Ø H 8 FOR HUB

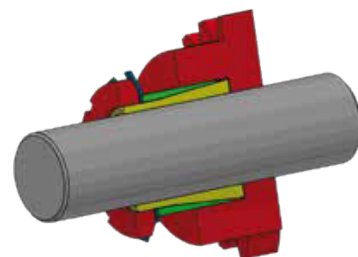
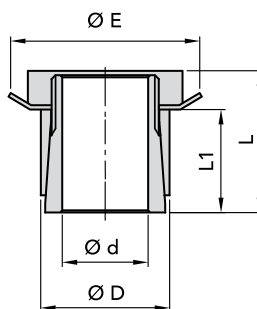
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 30 with a torque value less than or equal 270 Nm:

#### RCK 55 - 30 x 40

Part Number 06550030



|          | Dimensions |    |    |    |    | Max Torque | Clamping pressure       |                       | Ferrule |         |                      | Security washer |      |
|----------|------------|----|----|----|----|------------|-------------------------|-----------------------|---------|---------|----------------------|-----------------|------|
| CODE     | Ød         | ØD | ØE | L1 | L  | "Mt Nm"    | Shaft N/mm <sup>2</sup> | Hub N/mm <sup>2</sup> | TYPE    | THREAD  | TIGHTENING TORQUE Nm | TYPE            | Kg   |
| 06550014 | 14         | 25 | 32 | 23 | 31 | 65         | 80                      | 45                    | KM4     | M20x1   | 95                   | MB4             | 0,10 |
| 06550015 | 15         | 25 | 32 | 23 | 31 | 70         | 80                      | 45                    | KM4     | M20x1   | 95                   | MB4             | 0,11 |
| 06550018 | 18         | 30 | 38 | 24 | 33 | 100        | 75                      | 45                    | KM5     | M25x1,5 | 160                  | MB5             | 0,13 |
| 06550019 | 19         | 30 | 38 | 24 | 33 | 105        | 75                      | 45                    | KM5     | M25x1,5 | 160                  | MB5             | 0,13 |
| 06550020 | 20         | 30 | 38 | 24 | 33 | 112        | 70                      | 45                    | KM5     | M25x1,5 | 160                  | MB5             | 0,15 |
| 06550024 | 24         | 35 | 45 | 29 | 38 | 178        | 65                      | 45                    | KM6     | M30x1,5 | 220                  | MB6             | 0,17 |
| 06550025 | 25         | 35 | 45 | 29 | 38 | 185        | 60                      | 45                    | KM6     | M30x1,5 | 220                  | MB6             | 0,17 |
| 06550028 | 28         | 40 | 52 | 34 | 44 | 250        | 55                      | 40                    | KM7     | M35x1,5 | 340                  | MB7             | 0,28 |
| 06550030 | 30         | 40 | 52 | 34 | 44 | 270        | 50                      | 40                    | KM7     | M35x1,5 | 340                  | MB7             | 0,26 |
| 06550035 | 35         | 45 | 58 | 34 | 45 | 390        | 55                      | 45                    | KM8     | M40x1,5 | 480                  | MB8             | 0,26 |
| 06550040 | 40         | 50 | 65 | 35 | 46 | 520        | 55                      | 45                    | KM9     | M45x1,5 | 680                  | MB9             | 0,33 |
| 06550045 | 45         | 55 | 70 | 35 | 47 | 680        | 60                      | 50                    | KM10    | M50x1,5 | 870                  | MB10            | 0,45 |
| 06550050 | 50         | 60 | 75 | 36 | 48 | 880        | 60                      | 50                    | KM11    | M55x2   | 970                  | MB11            | 0,66 |
| 06550055 | 55         | 65 | 80 | 36 | 48 | 1030       | 60                      | 50                    | KM12    | M60x2   | 970                  | MB12            | 0,72 |
| 06550060 | 60         | 70 | 85 | 36 | 50 | 1360       | 65                      | 55                    | KM13    | M65x2   | 1300                 | MB13            | 0,80 |





## RCK 60 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

#### Ø h 8 FOR SHAFT

#### Ø H 8 FOR HUB

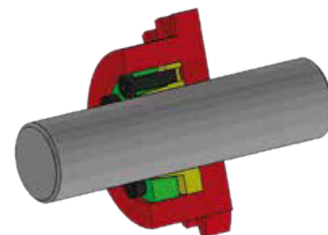
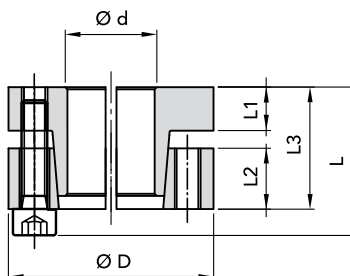
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having ød 75 with a torque value less than or equal 5000 Nm:

#### RCK 16 - 75 x 115

Part Number 06160075



|          | Dimensions |     |    |    |    |    | Max Torque | Clamping pressure |                         |                       |    | Clamping screws DIN 912 MAT. 12.9 |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|----|------------|-------------------|-------------------------|-----------------------|----|-----------------------------------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L2 | L3 | L  | "Mt Nm"    | Axial force N.    | Shaft N/mm <sup>2</sup> | Hub N/mm <sup>2</sup> | N° | TYPE                              | TORQUE Nm | TYPE              | N° | Kg   |
| 06600020 | 20         | 47  | 10 | 14 | 28 | 34 | 245        | 29400             | 210                     | 93                    | 5  | M6x25                             | 17        | M6                | 3  | 0,24 |
| 06600022 | 22         | 47  | 10 | 14 | 28 | 34 | 265        | 30000             | 196                     | 93                    | 5  | M6x25                             | 17        | M6                | 3  | 0,23 |
| 06600024 | 24         | 50  | 10 | 14 | 28 | 34 | 370        | 32300             | 215                     | 108                   | 6  | M6x25                             | 17        | M6                | 3  | 0,26 |
| 06600025 | 25         | 50  | 10 | 14 | 28 | 34 | 390        | 33300             | 210                     | 108                   | 6  | M6x25                             | 17        | M6                | 3  | 0,25 |
| 06600030 | 30         | 55  | 10 | 14 | 28 | 34 | 480        | 41200             | 186                     | 98                    | 6  | M6x25                             | 17        | M6                | 3  | 0,29 |
| 06600035 | 35         | 60  | 10 | 14 | 28 | 34 | 735        | 44100             | 186                     | 108                   | 8  | M6x25                             | 17        | M6                | 4  | 0,32 |
| 06600038 | 38         | 65  | 10 | 14 | 28 | 34 | 790        | 46100             | 206                     | 103                   | 8  | M6x25                             | 17        | M6                | 4  | 0,36 |
| 06600040 | 40         | 65  | 10 | 14 | 28 | 34 | 830        | 47000             | 186                     | 103                   | 8  | M6x25                             | 17        | M6                | 4  | 0,34 |
| 06600042 | 42         | 75  | 12 | 18 | 35 | 43 | 1450       | 66000             | 225                     | 132                   | 7  | M8x30                             | 41        | M8                | 4  | 0,48 |
| 06600045 | 45         | 75  | 12 | 18 | 35 | 43 | 1560       | 70000             | 220                     | 132                   | 7  | M8x30                             | 41        | M8                | 4  | 0,57 |
| 06600050 | 50         | 80  | 12 | 18 | 35 | 43 | 1650       | 72000             | 206                     | 127                   | 7  | M8x30                             | 41        | M8                | 4  | 0,60 |
| 06600055 | 55         | 85  | 12 | 18 | 35 | 43 | 2250       | 80000             | 210                     | 132                   | 8  | M8x30                             | 41        | M8                | 4  | 0,63 |
| 06600060 | 60         | 90  | 12 | 18 | 35 | 43 | 2450       | 83000             | 186                     | 122                   | 8  | M8x30                             | 41        | M8                | 4  | 0,69 |
| 06600065 | 65         | 95  | 12 | 18 | 35 | 43 | 2890       | 90000             | 200                     | 132                   | 9  | M8x30                             | 41        | M8                | 3  | 0,73 |
| 06600070 | 70         | 110 | 16 | 24 | 46 | 56 | 4700       | 130000            | 220                     | 140                   | 8  | M10x40                            | 83        | M10               | 4  | 1,26 |



## RCK 61 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

#### Ø h 8 FOR SHAFT

#### Ø H 8 FOR HUB

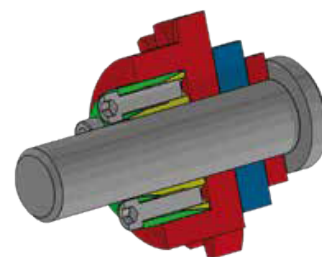
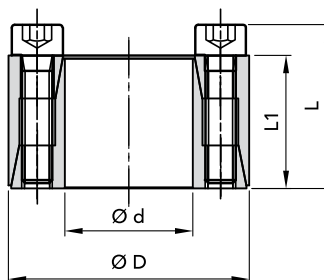
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 15 with a torque value less than or equal 40 Nm:

#### RCK 61 - 15 x 28

Part Number 06610015



|          | Dimensions |    |    |      | Max Torque | Clamping pressure       |                       | Clamping screws DIN 912 MAT. 12.9 |         |           | Security washer |    |      |
|----------|------------|----|----|------|------------|-------------------------|-----------------------|-----------------------------------|---------|-----------|-----------------|----|------|
| CODE     | Ød         | ØD | L1 | L    | "Mt Nm"    | Shaft N/mm <sup>2</sup> | Hub N/mm <sup>2</sup> | N                                 | TYPE    | TORQUE Nm | TYPE            | N. | Kg   |
| 06610010 | 10         | 20 | 13 | 15,5 | 15         | 110                     | 55                    | 4                                 | M2,5x12 | 1,2       | M2,5            | 2  | 0,02 |
| 06610012 | 12         | 22 | 13 | 15,5 | 20         | 90                      | 50                    | 4                                 | M2,5x12 | 1,2       | M2,5            | 2  | 0,02 |
| 06610014 | 14         | 26 | 17 | 20   | 35         | 105                     | 55                    | 4                                 | M3x16   | 2,1       | M3              | 2  | 0,04 |
| 06610015 | 15         | 28 | 17 | 20   | 40         | 100                     | 50                    | 4                                 | M3x16   | 2,1       | M3              | 2  | 0,04 |
| 06610016 | 16         | 32 | 17 | 21   | 70         | 130                     | 65                    | 4                                 | M4x16   | 4,9       | M4              | 2  | 0,07 |
| 06610018 | 18         | 35 | 21 | 25   | 80         | 115                     | 60                    | 4                                 | M4x20   | 4,9       | M4              | 2  | 0,09 |
| 06610019 | 19         | 35 | 21 | 25   | 85         | 110                     | 60                    | 4                                 | M4x20   | 4,9       | M4              | 2  | 0,08 |
| 06610020 | 20         | 38 | 21 | 26   | 220        | 220                     | 115                   | 6                                 | M5x20   | 9,7       | M5              | 3  | 0,10 |
| 06610022 | 22         | 40 | 21 | 26   | 240        | 200                     | 110                   | 6                                 | M5x20   | 9,7       | M5              | 3  | 0,11 |
| 06610024 | 24         | 47 | 26 | 32   | 380        | 220                     | 110                   | 6                                 | M6x25   | 16,2      | M6              | 3  | 0,20 |
| 06610025 | 25         | 47 | 26 | 32   | 390        | 210                     | 110                   | 6                                 | M6x25   | 16,2      | M6              | 3  | 0,19 |

## RCK 70 TYPE

### SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

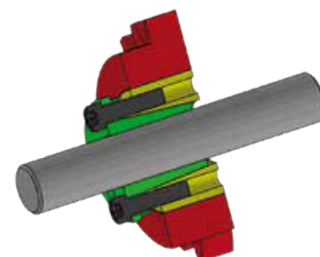
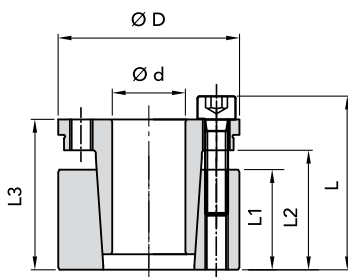
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 48 with a torque value less than or equal 2510 Nm:

**RCK 70 - 48 x 80**

**Part Number 06700048**



|          | Dimensions |     |    |    |    | Max Torque | Clamping pressure |             |           | Clamping screws DIN 912 MAT. 12.9 |        |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|------------|-------------------|-------------|-----------|-----------------------------------|--------|-----------|-------------------|----|------|
| CODE     | Ød         | ØD  | L1 | L2 | L3 | L          | "Mt Nm"           | Shaft N/mm² | Hub N/mm² | N°                                | TYPE   | TORQUE Nm | TYPE              | N° | Kg   |
| 06700019 | 19         | 47  | 26 | 31 | 39 | 45         | 350               | 228         | 98        | 4                                 | M6x25  | 17        | M6                | 2  | 0,39 |
| 06700020 | 20         | 47  | 26 | 31 | 39 | 45         | 390               | 231         | 100       | 4                                 | M6x25  | 17        | M6                | 2  | 0,38 |
| 06700022 | 22         | 47  | 26 | 31 | 39 | 45         | 440               | 220         | 95        | 4                                 | M6x25  | 17        | M6                | 2  | 0,37 |
| 06700024 | 24         | 50  | 26 | 31 | 39 | 45         | 519               | 215         | 102       | 6                                 | M6x25  | 17        | M6                | 3  | 0,43 |
| 06700025 | 25         | 50  | 26 | 31 | 39 | 45         | 590               | 230         | 105       | 6                                 | M6x25  | 17        | M6                | 3  | 0,42 |
| 06700028 | 28         | 55  | 26 | 31 | 39 | 45         | 700               | 220         | 110       | 6                                 | M6x25  | 17        | M6                | 3  | 0,45 |
| 06700030 | 30         | 55  | 26 | 31 | 39 | 45         | 760               | 200         | 120       | 6                                 | M6x25  | 17        | M6                | 3  | 0,45 |
| 06700032 | 32         | 60  | 26 | 31 | 39 | 45         | 930               | 230         | 114       | 8                                 | M6x25  | 17        | M6                | 4  | 0,60 |
| 06700035 | 35         | 60  | 26 | 31 | 39 | 45         | 1030              | 200         | 119       | 8                                 | M6x25  | 17        | M6                | 4  | 0,50 |
| 06700038 | 38         | 65  | 26 | 31 | 39 | 45         | 1240              | 210         | 124       | 8                                 | M6x25  | 17        | M6                | 4  | 0,60 |
| 06700040 | 40         | 65  | 26 | 31 | 39 | 45         | 1350              | 200         | 125       | 8                                 | M6x25  | 17        | M6                | 4  | 0,60 |
| 06700042 | 42         | 75  | 30 | 36 | 47 | 55         | 2170              | 236         | 140       | 6                                 | M8x30  | 41        | M8                | 3  | 1,00 |
| 06700045 | 45         | 75  | 30 | 36 | 47 | 55         | 2350              | 236         | 140       | 6                                 | M8x30  | 41        | M8                | 3  | 1,00 |
| 06700048 | 48         | 80  | 30 | 36 | 47 | 55         | 2510              | 218         | 135       | 6                                 | M8x30  | 41        | M8                | 3  | 1,10 |
| 06700050 | 50         | 80  | 30 | 36 | 47 | 55         | 2580              | 218         | 135       | 6                                 | M8x30  | 41        | M8                | 3  | 1,00 |
| 06700055 | 55         | 85  | 30 | 36 | 47 | 55         | 3200              | 223         | 145       | 8                                 | M8x30  | 41        | M8                | 4  | 1,10 |
| 06700060 | 60         | 90  | 30 | 36 | 47 | 55         | 3380              | 198         | 157       | 8                                 | M8x30  | 41        | M8                | 4  | 1,20 |
| 06700065 | 65         | 95  | 30 | 36 | 47 | 55         | 4160              | 213         | 140       | 8                                 | M8x30  | 41        | M8                | 4  | 1,30 |
| 06700070 | 70         | 110 | 40 | 46 | 57 | 67         | 6840              | 225         | 143       | 8                                 | M10x35 | 83        | M10               | 4  | 2,20 |
| 06700075 | 75         | 115 | 40 | 46 | 62 | 72         | 7500              | 210         | 138       | 8                                 | M10x35 | 83        | M10               | 4  | 2,50 |
| 06700080 | 80         | 120 | 40 | 46 | 62 | 72         | 8100              | 200         | 130       | 8                                 | M10x35 | 83        | M10               | 4  | 2,60 |
| 06700085 | 85         | 125 | 40 | 46 | 62 | 72         | 9700              | 210         | 145       | 10                                | M10x35 | 83        | M10               | 4  | 2,80 |
| 06700090 | 90         | 130 | 40 | 46 | 62 | 72         | 10300             | 200         | 138       | 10                                | M10x35 | 83        | M10               | 4  | 2,70 |
| 06700095 | 95         | 135 | 40 | 46 | 62 | 72         | 12100             | 210         | 148       | 10                                | M10x35 | 83        | M10               | 4  | 2,90 |
| 06700100 | 100        | 145 | 46 | 52 | 77 | 89         | 15700             | 216         | 148       | 8                                 | M12x45 | 145       | M12               | 4  | 3,90 |
| 06700110 | 110        | 155 | 46 | 52 | 77 | 89         | 17200             | 196         | 139       | 8                                 | M12x45 | 145       | M12               | 4  | 4,20 |
| 06700120 | 120        | 165 | 46 | 52 | 77 | 89         | 22500             | 216         | 156       | 10                                | M12x45 | 145       | M12               | 4  | 4,80 |
| 06700130 | 130        | 180 | 46 | 52 | 77 | 89         | 24000             | 196         | 140       | 12                                | M12x45 | 145       | M12               | 4  | 5,00 |
| 06700140 | 140        | 190 | 51 | 59 | 84 | 90         | 30800             | 196         | 145       | 8                                 | M14x45 | 230       | M14               | 4  | 6,50 |
| 06700150 | 150        | 200 | 51 | 59 | 84 | 90         | 37150             | 205         | 153       | 10                                | M14x45 | 230       | M14               | 5  | 7,00 |
| 06700160 | 160        | 210 | 51 | 59 | 84 | 90         | 40500             | 205         | 155       | 10                                | M14x45 | 230       | M14               | 5  | 7,00 |
| 06700170 | 170        | 225 | 51 | 59 | 84 | 90         | 40900             | 163         | 123       | 12                                | M14x45 | 230       | M14               | 6  | 8,50 |
| 06700180 | 180        | 235 | 51 | 59 | 84 | 90         | 41300             | 160         | 120       | 12                                | M14x45 | 230       | M14               | 6  | 9,00 |



# RCK 71 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

**Ø h 8 FOR SHAFT**

**Ø H 8 FOR HUB**

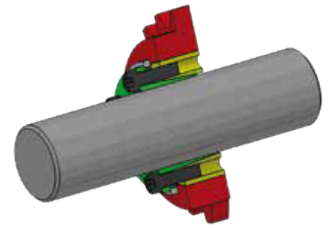
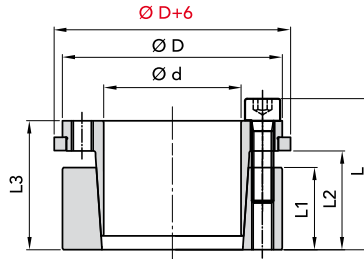
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 30 with a torque value less than or equal 650 Nm:

**RCK 71 - 30 x 55**

**Part Number 06710030**



| CODE     | Dimensions |     |    |    |    | Max Torque | Clamping pressure |             |           | Clamping screws DIN 912 MAT. 12.9 |        |           | Extraction thread |    |      |
|----------|------------|-----|----|----|----|------------|-------------------|-------------|-----------|-----------------------------------|--------|-----------|-------------------|----|------|
|          | Ød         | ØD  | L1 | L2 | L3 | L          | "Mt Nm"           | Shaft N/mm² | Hub N/mm² | N°                                | TYPE   | TORQUE Nm | TYPE              | N° | Kg   |
| 06710019 | 19         | 47  | 26 | 31 | 39 | 45         | 300               | 228         | 98        | 4                                 | M6x25  | 17        | M6                | 2  | 0,45 |
| 06710020 | 20         | 47  | 26 | 31 | 39 | 45         | 320               | 231         | 98        | 4                                 | M6x25  | 17        | M6                | 2  | 0,46 |
| 06710022 | 22         | 47  | 26 | 31 | 39 | 45         | 370               | 211         | 99        | 4                                 | M6x25  | 17        | M6                | 2  | 0,50 |
| 06710024 | 24         | 50  | 26 | 31 | 39 | 45         | 430               | 220         | 110       | 6                                 | M6x25  | 17        | M6                | 3  | 0,50 |
| 06710025 | 25         | 50  | 26 | 31 | 39 | 45         | 480               | 226         | 113       | 6                                 | M6x25  | 17        | M6                | 3  | 0,50 |
| 06710028 | 28         | 55  | 26 | 31 | 39 | 45         | 590               | 207         | 108       | 6                                 | M6x25  | 17        | M6                | 3  | 0,60 |
| 06710030 | 30         | 55  | 26 | 31 | 39 | 45         | 650               | 226         | 121       | 6                                 | M6x25  | 17        | M6                | 3  | 0,60 |
| 06710032 | 32         | 60  | 26 | 31 | 39 | 45         | 800               | 201         | 117       | 8                                 | M6x25  | 17        | M6                | 4  | 0,70 |
| 06710035 | 35         | 60  | 26 | 31 | 39 | 45         | 860               | 206         | 121       | 8                                 | M6x25  | 17        | M6                | 4  | 0,60 |
| 06710038 | 38         | 65  | 26 | 31 | 39 | 45         | 1030              | 201         | 124       | 8                                 | M6x25  | 17        | M6                | 4  | 0,80 |
| 06710040 | 40         | 65  | 26 | 31 | 39 | 45         | 1130              | 239         | 146       | 8                                 | M6x25  | 17        | M6                | 4  | 0,60 |
| 06710042 | 42         | 75  | 30 | 36 | 47 | 55         | 1930              | 221         | 138       | 6                                 | M8x30  | 41        | M8                | 3  | 1,20 |
| 06710045 | 45         | 75  | 30 | 36 | 47 | 55         | 1950              | 221         | 138       | 6                                 | M8x30  | 41        | M8                | 3  | 1,10 |
| 06710048 | 48         | 80  | 30 | 36 | 47 | 55         | 2180              | 226         | 145       | 6                                 | M8x30  | 41        | M8                | 3  | 1,30 |
| 06710050 | 50         | 80  | 30 | 36 | 47 | 55         | 2210              | 226         | 146       | 6                                 | M8x30  | 41        | M8                | 3  | 1,10 |
| 06710055 | 55         | 85  | 30 | 36 | 47 | 55         | 2730              | 226         | 146       | 8                                 | M8x30  | 41        | M8                | 4  | 1,20 |
| 06710060 | 60         | 90  | 30 | 36 | 47 | 55         | 2910              | 201         | 134       | 8                                 | M8x30  | 41        | M8                | 4  | 1,30 |
| 06710065 | 65         | 95  | 30 | 36 | 47 | 55         | 3570              | 211         | 145       | 8                                 | M8x30  | 41        | M8                | 4  | 1,40 |
| 06710070 | 70         | 110 | 40 | 46 | 57 | 67         | 5830              | 226         | 145       | 8                                 | M10x35 | 83        | M10               | 4  | 2,50 |
| 06710075 | 75         | 115 | 40 | 46 | 62 | 72         | 6330              | 221         | 151       | 8                                 | M10x35 | 83        | M10               | 4  | 2,60 |
| 06710080 | 80         | 120 | 40 | 46 | 62 | 72         | 6840              | 202         | 142       | 8                                 | M10x35 | 83        | M10               | 4  | 2,80 |
| 06710085 | 85         | 125 | 40 | 46 | 62 | 72         | 8160              | 221         | 161       | 10                                | M10x35 | 83        | M10               | 4  | 2,80 |
| 06710090 | 90         | 130 | 40 | 46 | 62 | 72         | 8670              | 201         | 146       | 10                                | M10x35 | 83        | M10               | 4  | 3,00 |
| 06710095 | 95         | 135 | 40 | 46 | 62 | 72         | 10200             | 191         | 141       | 10                                | M10x35 | 83        | M10               | 4  | 3,00 |
| 06710100 | 100        | 145 | 46 | 52 | 77 | 89         | 13600             | 201         | 151       | 8                                 | M12x45 | 145       | M12               | 4  | 5,50 |
| 06710110 | 110        | 155 | 46 | 52 | 77 | 89         | 14870             | 201         | 182       | 8                                 | M12x45 | 145       | M12               | 4  | 4,80 |
| 06710120 | 120        | 165 | 46 | 52 | 77 | 89         | 19460             | 221         | 162       | 10                                | M12x45 | 145       | M12               | 4  | 5,50 |
| 06710130 | 130        | 180 | 46 | 52 | 77 | 89         | 20820             | 202         | 146       | 12                                | M12x45 | 145       | M12               | 4  | 6,00 |
| 06710140 | 140        | 190 | 51 | 59 | 84 | 90         | 25410             | 192         | 141       | 8                                 | M14x45 | 230       | M14               | 4  | 7,50 |
| 06710150 | 150        | 200 | 51 | 59 | 84 | 90         | 30720             | 202         | 152       | 10                                | M14x45 | 230       | M14               | 5  | 7,70 |
| 06710160 | 160        | 210 | 51 | 59 | 84 | 90         | 33150             | 202         | 152       | 10                                | M14x45 | 230       | M14               | 5  | 8,00 |
| 06710170 | 170        | 225 | 51 | 59 | 84 | 90         | 34000             | 161         | 121       | 12                                | M14x45 | 230       | M14               | 6  | 9,80 |
| 06710180 | 180        | 235 | 51 | 59 | 84 | 90         | 34250             | 157         | 122       | 12                                | M14x45 | 230       | M14               | 6  | 9,80 |



# RCK 80 TYPE

## SELF CENTRIN

The recommended machining tolerances for the pressure surface are as follows:

### Ø h 8 FOR SHAFT

### Ø H 8 FOR HUB

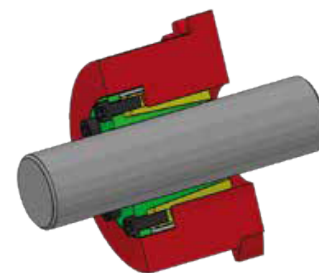
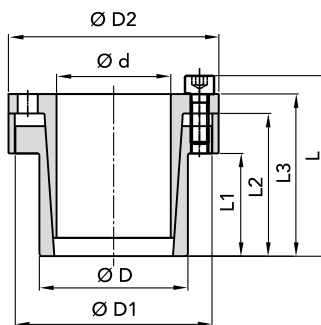
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

## ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 95 with a torque value less than or equal 8000 Nm:

### RCK 80 - 80 x 100

### Part Number 06800080



|          | Dimensions |     |     |     |      |      |      | Max Torque | Clamping pressure |             |           | Clamping screws DIN 912 MAT. 12.9 |        |           | Extraction thread |    |       |
|----------|------------|-----|-----|-----|------|------|------|------------|-------------------|-------------|-----------|-----------------------------------|--------|-----------|-------------------|----|-------|
| CODE     | Ød         | ØD  | ØD1 | ØD2 | L1   | L2   | L3   | L          | "Mt Nm"           | Shaft N/mm² | Hub N/mm² | N°                                | TYPE   | TORQUE Nm | TYPE              | N° | Kg    |
| 06800006 | 6          | 14  | 22  | 25  | 10   | 18,5 | 22,5 | 25,5       | 12                | 190         | 80        | 3                                 | M3x10  | 2,2       | M3                | 2  | 0,10  |
| 06800008 | 8          | 15  | 24  | 27  | 12   | 21,5 | 25,5 | 29,5       | 29                | 205         | 110       | 3                                 | M4x12  | 5         | M4                | 2  | 0,10  |
| 06800009 | 9          | 16  | 25  | 28  | 14   | 23,5 | 27,5 | 31,5       | 31                | 150         | 85        | 3                                 | M4x12  | 5         | M4                | 2  | 0,10  |
| 06800010 | 10         | 16  | 25  | 28  | 14   | 23,5 | 27,5 | 31,5       | 35                | 140         | 85        | 3                                 | M4x12  | 5         | M4                | 2  | 0,11  |
| 06800011 | 11         | 18  | 28  | 32  | 14   | 23,5 | 27,5 | 31,5       | 52                | 170         | 105       | 4                                 | M4x12  | 5         | M4                | 2  | 0,11  |
| 06800012 | 12         | 18  | 28  | 32  | 14   | 23,5 | 27,5 | 31,5       | 58                | 150         | 100       | 4                                 | M4x12  | 5         | M4                | 2  | 0,12  |
| 06800014 | 14         | 23  | 35  | 38  | 14   | 23,5 | 27,5 | 31,5       | 69                | 140         | 80        | 4                                 | M4x12  | 5         | M4                | 2  | 0,12  |
| 06800015 | 15         | 24  | 40  | 45  | 16   | 29,5 | 36,5 | 42,5       | 170               | 158         | 98        | 4                                 | M6x18  | 17        | M6                | 2  | 0,21  |
| 06800016 | 16         | 24  | 40  | 45  | 16   | 29,5 | 36,5 | 42,5       | 180               | 148         | 98        | 4                                 | M6x18  | 17        | M6                | 2  | 0,23  |
| 06800017 | 17         | 26  | 42  | 47  | 19   | 32,5 | 39,5 | 45,5       | 200               | 180         | 125       | 4                                 | M6x18  | 17        | M6                | 2  | 0,25  |
| 06800018 | 18         | 26  | 42  | 47  | 19   | 32,5 | 39,5 | 45,5       | 200               | 180         | 125       | 4                                 | M6x18  | 17        | M6                | 2  | 0,27  |
| 06800019 | 19         | 27  | 43  | 49  | 19   | 32,5 | 39,5 | 45,5       | 210               | 170         | 120       | 4                                 | M6x18  | 17        | M6                | 2  | 0,27  |
| 06800020 | 20         | 28  | 44  | 50  | 19   | 32,5 | 39,5 | 45,5       | 220               | 160         | 115       | 4                                 | M6x18  | 17        | M6                | 2  | 0,27  |
| 06800022 | 22         | 32  | 48  | 54  | 26   | 39,5 | 46,5 | 52,5       | 250               | 115         | 80        | 4                                 | M6x18  | 17        | M6                | 2  | 0,38  |
| 06800024 | 24         | 34  | 50  | 56  | 26   | 39,5 | 46,5 | 52,5       | 395               | 146         | 102       | 6                                 | M6x18  | 17        | M6                | 3  | 0,41  |
| 06800025 | 25         | 34  | 50  | 56  | 26   | 39,5 | 46,5 | 52,5       | 410               | 140         | 102       | 6                                 | M6x18  | 17        | M6                | 3  | 0,45  |
| 06800028 | 28         | 39  | 55  | 61  | 25,5 | 39,5 | 46,5 | 52,5       | 465               | 135         | 98        | 6                                 | M6x18  | 17        | M6                | 3  | 0,47  |
| 06800030 | 30         | 41  | 57  | 62  | 25,5 | 39,5 | 46,5 | 52,5       | 510               | 127         | 90        | 6                                 | M6x18  | 17        | M6                | 3  | 0,48  |
| 06800032 | 32         | 43  | 59  | 65  | 25,5 | 39,5 | 46,5 | 52,5       | 705               | 146         | 108       | 8                                 | M6x18  | 17        | M6                | 4  | 0,49  |
| 06800035 | 35         | 47  | 62  | 69  | 31,5 | 45,5 | 52,5 | 58,5       | 790               | 105         | 80        | 8                                 | M6x18  | 17        | M6                | 4  | 0,63  |
| 06800038 | 38         | 50  | 66  | 72  | 31,5 | 45,5 | 52,5 | 58,5       | 860               | 100         | 76        | 8                                 | M6x18  | 17        | M6                | 4  | 0,67  |
| 06800040 | 40         | 53  | 69  | 75  | 31,5 | 45,5 | 52,5 | 58,5       | 900               | 96          | 72        | 8                                 | M6x18  | 17        | M6                | 4  | 0,73  |
| 06800042 | 42         | 55  | 71  | 78  | 31,5 | 45,5 | 52,5 | 58,5       | 940               | 90          | 70        | 8                                 | M6x18  | 17        | M6                | 4  | 0,78  |
| 06800045 | 45         | 59  | 80  | 86  | 45   | 62,5 | 71   | 79         | 1840              | 110         | 85        | 8                                 | M8x22  | 41        | M8                | 4  | 1,23  |
| 06800048 | 48         | 62  | 81  | 87  | 45   | 62,5 | 71   | 79         | 2000              | 105         | 80        | 8                                 | M8x22  | 41        | M8                | 4  | 1,24  |
| 06800050 | 50         | 65  | 86  | 92  | 45   | 62,5 | 71   | 79         | 2100              | 100         | 75        | 8                                 | M8x22  | 41        | M8                | 4  | 1,40  |
| 06800055 | 55         | 71  | 92  | 98  | 55   | 72,5 | 81   | 89         | 2580              | 85          | 65        | 9                                 | M8x22  | 41        | M8                | 3  | 1,70  |
| 06800060 | 60         | 77  | 98  | 104 | 55   | 72,5 | 81   | 89         | 2800              | 75          | 60        | 9                                 | M8x22  | 41        | M8                | 3  | 1,76  |
| 06800065 | 65         | 84  | 105 | 111 | 55   | 72,5 | 81   | 89         | 3050              | 70          | 55        | 9                                 | M8x22  | 41        | M8                | 3  | 2,21  |
| 06800070 | 70         | 90  | 113 | 119 | 65   | 86,5 | 96,5 | 106,5      | 5250              | 90          | 70        | 9                                 | M10x25 | 83        | M10               | 3  | 3,05  |
| 06800075 | 75         | 95  | 119 | 126 | 65   | 86,5 | 96,5 | 106,5      | 5600              | 80          | 65        | 9                                 | M10x25 | 83        | M10               | 3  | 3,32  |
| 06800080 | 80         | 100 | 125 | 131 | 65   | 86,5 | 96,5 | 106,5      | 8000              | 100         | 80        | 12                                | M10x25 | 83        | M10               | 4  | 3,50  |
| 06800090 | 90         | 112 | 137 | 144 | 65   | 86,5 | 96,5 | 106,5      | 9000              | 90          | 75        | 12                                | M10x25 | 83        | M10               | 4  | 3,90  |
| 06800100 | 100        | 125 | 147 | 154 | 65   | 86,5 | 96,5 | 106,5      | 15000             | 120         | 95        | 18                                | M10x25 | 83        | M10               | 4  | 4,60  |
| 06800110 | 110        | 140 | 172 | 180 | 90   | 114  | 128  | 140        | 16000             | 80          | 65        | 12                                | M12x35 | 145       | M12               | 4  | 8,70  |
| 06800120 | 120        | 155 | 187 | 198 | 90   | 114  | 128  | 140        | 17500             | 70          | 55        | 12                                | M12x35 | 145       | M12               | 4  | 10,70 |



## RCK 95 TYPE

### RIGID JOINT

The recommended machining tolerances for the pressure surface are as follows:

#### Ø h 8 FOR SHAFT

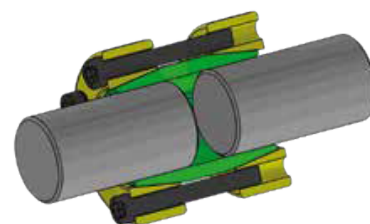
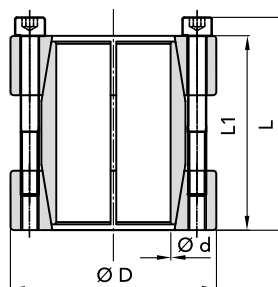
Recommended surface roughness  
From Ra 1,6 to Ra 3,2

### ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 40 with a torque value less than or equal 900 Nm

#### RCK 95 - 40 x 75

Part Number 06950040



|          | Dimensions |     |     |     | Max Torque | Clamping pressure       | Clamping screws<br>DIN 912 MAT. 12.9 |        |           | Weight |
|----------|------------|-----|-----|-----|------------|-------------------------|--------------------------------------|--------|-----------|--------|
| CODE     | Ød         | ØD  | L1  | L   | Mt Nm      | Shaft N/mm <sup>2</sup> | N.                                   | TYPE   | TORQUE Nm | Kg     |
| 06950017 | 17         | 50  | 50  | 56  | 200        | 110                     | 4                                    | M6x40  | 17        | 0,51   |
| 06950018 | 18         | 50  | 50  | 56  | 220        | 110                     | 4                                    | M6x40  | 17        | 0,52   |
| 06950019 | 19         | 50  | 50  | 56  | 230        | 110                     | 4                                    | M6x40  | 17        | 0,50   |
| 06950020 | 20         | 50  | 50  | 56  | 240        | 105                     | 4                                    | M6x40  | 17        | 0,50   |
| 06950024 | 24         | 55  | 60  | 66  | 290        | 120                     | 4                                    | M6x50  | 17        | 0,71   |
| 06950025 | 25         | 55  | 60  | 66  | 450        | 110                     | 6                                    | M6x50  | 17        | 0,69   |
| 06950028 | 28         | 60  | 60  | 66  | 510        | 110                     | 6                                    | M6x50  | 17        | 0,81   |
| 06950030 | 30         | 60  | 60  | 66  | 550        | 105                     | 6                                    | M6x50  | 17        | 0,78   |
| 06950032 | 32         | 63  | 60  | 66  | 580        | 90                      | 6                                    | M6x50  | 17        | 0,85   |
| 06950035 | 35         | 75  | 75  | 83  | 790        | 105                     | 4                                    | M8x60  | 41        | 1,48   |
| 06950038 | 38         | 75  | 75  | 83  | 850        | 100                     | 4                                    | M8x60  | 41        | 1,45   |
| 06950040 | 40         | 75  | 75  | 83  | 900        | 95                      | 4                                    | M8x60  | 41        | 1,40   |
| 06950042 | 42         | 78  | 75  | 83  | 950        | 90                      | 4                                    | M8x60  | 41        | 1,50   |
| 06950045 | 45         | 85  | 85  | 93  | 1520       | 110                     | 6                                    | M8x70  | 41        | 2,03   |
| 06950048 | 48         | 90  | 85  | 93  | 1620       | 100                     | 6                                    | M8x70  | 41        | 2,24   |
| 06950050 | 50         | 90  | 85  | 93  | 1690       | 95                      | 6                                    | M8x70  | 41        | 2,18   |
| 06950055 | 55         | 94  | 85  | 93  | 2470       | 110                     | 8                                    | M8x70  | 41        | 2,29   |
| 06950060 | 60         | 100 | 85  | 93  | 2710       | 95                      | 8                                    | M8x70  | 41        | 2,52   |
| 06950065 | 65         | 105 | 85  | 93  | 2930       | 90                      | 8                                    | M8x70  | 41        | 2,69   |
| 06950070 | 70         | 115 | 100 | 110 | 3770       | 90                      | 6                                    | M10x80 | 83        | 3,94   |



# GIFLEX®

## LEGEND

PITCH = *PASSO*



# Index

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## GIFLEX® GE-T

### INTRODUCTION

The GE-T series couplings are torsionally elastic mechanical couplings capable of transmitting a proportional torque to the elastic deflection of the intermediate element. The couplings must also be able to:

- Effectively dampen any torsional vibrations related to load or self-induced
- Attenuate shocks and torque peaks during start-up
- Compensate for slight angular and parallel misalignments between the shafts
- Ensure an acceptable service life.

These features and coupling performances depend exclusively by quality of the intermediate element, in this case, the material selection of the interposition element is very important. The curve expressing the elastic characteristic of the intermediate element must have a progressive trend (yielding at low torque values and rigid at higher values) to ensure smooth start-up operation and limited torsional deflection under steady-state conditions.

Couplings are capable to perform an effective dampen of any torsional oscillations, thanks to the intermediate element exhibits certain elastic hysteresis, with an extent commensurate with the required damping action.

Furthermore, the service life of the coupling depends on the elastic yield of the intermediate element material. Often, the physical characteristics mentioned above contrast with each other and to other fundamental mechanical and technological parameters, which means that the adjustment of the performance offered by the intermediate element to the different operating conditions cannot be guaranteed by a single material, thus necessitating a differentiation of the materials adopted for the elastic ring.

A thermoplastic elastomer is suggested to meet an adequate level of performance. It is a medium-stiffness elastomer, characterized by:

- Optimal internal damping,
- Aging, fatigue resistant
- Abrasion resistant, as well as hydrolysis and the main chemical agents, with reference to oils and ozone.

For couplings in the standard execution, operating temperatures were between -40 °C and +125 °C with permitted peaks up to 150 °C. For use in extreme operating conditions or in any case for above-average requirements, alternative compounds have been studied and are available on request, capable of satisfying every practical need.



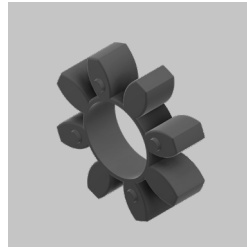
## SPIDER FOR GE-T

### EMPLOYMENT TEMPERATURE

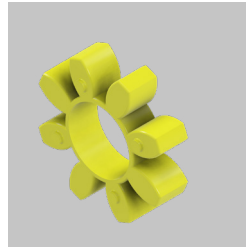
**BLACK** = -40° + 140°  
**YELLOW** = -40° + 90°  
**RED** = -30° + 90°  
**GREEN** = -30° + 110°

### EXAMPLE SPIDER CODE

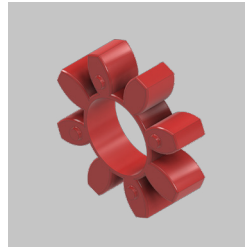
**0200** **24** **14**  
SPIDER GE-T TYPE  
010 BLACK - 012 YELLOW  
013 GREEN - 014 RED



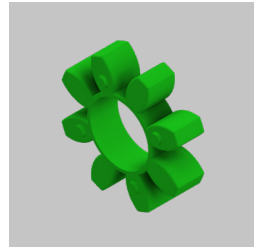
BLACK SPIDER 92-94 Sh A  
THERMOPLASTIC



YELLOW SPIDER 92-94 Sh A  
POLYURETHAN

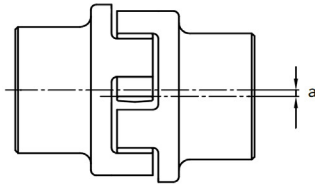


RED SPIDER 96-98 Sh A  
POLYURETHAN

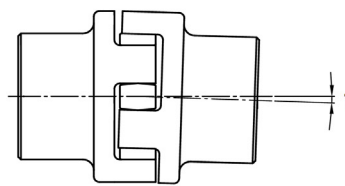


GREEN SPIDER 64 Sh D  
POLYURETHAN

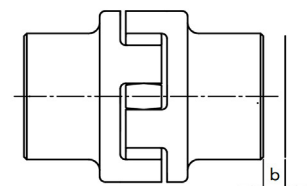
### RADIAL displaced shaft



### ANGULARLY displaced shaft



### AXIALLY displaced shaft



### Technical data

| SPIDER TYPE | MAX R.p.M.<br>min. <sup>1</sup> | Spider<br>Shore | COLOR  | TORSION ANGLE |        | TORQUES (Nm) |               |                     | Torsional rigidity (NM/rad) |              |             |              | Displacement    |                  |                        |
|-------------|---------------------------------|-----------------|--------|---------------|--------|--------------|---------------|---------------------|-----------------------------|--------------|-------------|--------------|-----------------|------------------|------------------------|
|             |                                 |                 |        | TkN           | Tk MAX | Norm<br>TkN  | Max<br>Tk MAX | with invers<br>Tk w | 1.0<br>Tk n                 | 0.75<br>Tk n | 0.5<br>Tk n | 0.25<br>Tk n | axial<br>b (mm) | radial<br>a (mm) | angular<br>U* (degree) |
| GE-T 19-24  | 1400                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 10           | 20            | 2,6                 | 1280                        | 1050         | 800         | 470          | 1,2             | 0,2              | 1,2°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 10           | 20            | 2,6                 | 1280                        | 1050         | 800         | 470          |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 17           | 34            | 4,4                 | 2920                        | 2390         | 1810        | 1070         |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 21           | 42            | 5,5                 | 5350                        | 4390         | 3320        | 1970         |                 |                  |                        |
| GE-T 24-32  | 10600                           | 92/94 Sh a      | BLACK  | 3°            | 5°     | 35           | 70            | 9                   | 4860                        | 3980         | 3010        | 1790         | 1,4             | 0,2              | 0,9°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 35           | 70            | 9                   | 4860                        | 3980         | 3010        | 1790         |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 60           | 120           | 16                  | 9930                        | 8140         | 6160        | 3650         |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 75           | 150           | 19,5                | 15110                       | 12390        | 9370        | 5950         |                 |                  |                        |
| GE-T 28-38  | 8500                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 95           | 190           | 25                  | 10900                       | 8940         | 6760        | 4010         | 1,5             | 0,25             | 0,9°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 95           | 190           | 25                  | 10900                       | 8940         | 6760        | 4010         |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 160          | 320           | 42                  | 26770                       | 21950        | 16600       | 9840         |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 200          | 400           | 52                  | 27520                       | 22570        | 17060       | 10120        |                 |                  |                        |
| GE-T 38-45  | 7100                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 190          | 380           | 49                  | 21050                       | 17260        | 13050       | 7740         | 1,8             | 0,28             | 1,0°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 190          | 380           | 49                  | 21050                       | 17260        | 13050       | 7740         |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 325          | 650           | 85                  | 48570                       | 39830        | 30110       | 17850        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 405          | 810           | 105                 | 70150                       | 57520        | 43490       | 25780        |                 |                  |                        |
| GE-T 42-55  | 6000                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 265          | 530           | 69                  | 23740                       | 19470        | 14720       | 8730         | 2,0             | 0,32             | 1,0°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 265          | 530           | 69                  | 23740                       | 19470        | 14720       | 8730         |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 450          | 900           | 117                 | 54500                       | 44690        | 33790       | 20030        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 560          | 1120          | 145                 | 79860                       | 65490        | 49520       | 29350        |                 |                  |                        |
| GE-T 48-60  | 5600                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 310          | 620           | 81                  | 36700                       | 30090        | 22750       | 13490        | 2,1             | 0,36             | 1,1°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 310          | 620           | 81                  | 36700                       | 30090        | 22750       | 13490        |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 525          | 1050          | 137                 | 65290                       | 53540        | 40480       | 24000        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 655          | 1310          | 170                 | 95510                       | 78320        | 59220       | 35100        |                 |                  |                        |
| GE-T 55-70  | 4750                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 410          | 820           | 105                 | 50720                       | 41590        | 31450       | 18640        | 2,2             | 0,38             | 1,1°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 410          | 820           | 105                 | 50720                       | 41590        | 31450       | 18640        |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 625          | 1250          | 163                 | 94970                       | 77880        | 58880       | 34900        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 825          | 1650          | 215                 | 107920                      | 88500        | 66910       | 39660        |                 |                  |                        |
| GE-T 65-75  | 4250                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 625          | 1250          | 163                 | 97130                       | 79650        | 60220       | 35700        | 2,6             | 0,42             | 1,2°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 625          | 1250          | 163                 | 97130                       | 79650        | 60220       | 35700        |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 940          | 1880          | 166                 | 129510                      | 106200       | 80300       | 47600        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 1175         | 2350          | 305                 | 151090                      | 123900       | 93680       | 55530        |                 |                  |                        |
| GE-T 75-90  | 3550                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 1250         | 2500          | 330                 | 113320                      | 92920        | 70260       | 41650        | 3,0             | 0,48             | 1,2°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 1250         | 2500          | 330                 | 113320                      | 92920        | 70260       | 41650        |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 1910         | 3850          | 490                 | 197500                      | 161950       | 122450      | 72580        |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 2410         | 4820          | 624                 | 248220                      | 203540       | 153900      | 91220        |                 |                  |                        |
| GE-T 90-100 | 2800                            | 92/94 Sh a      | BLACK  | 3°            | 5°     | 2400         | 4800          | 624                 | 190090                      | 155870       | 117860      | 69860        | 3,4             | 0,5              | 1,2°                   |
|             |                                 | 92/94 Sh a      | YELLOW |               |        | 2400         | 4800          | 624                 | 190090                      | 155870       | 117860      | 69860        |                 |                  |                        |
|             |                                 | 96/98 Sh a      | RED    |               |        | 3600         | 7200          | 936                 | 312200                      | 256000       | 193560      | 114730       |                 |                  |                        |
|             |                                 | 64 Sh D         | GREEN  |               |        | 4500         | 9000          | 1170                | 674520                      | 553110       | 418200      | 247890       |                 |                  |                        |

with radial speed more than v=30m/s dynamic balancing is needed



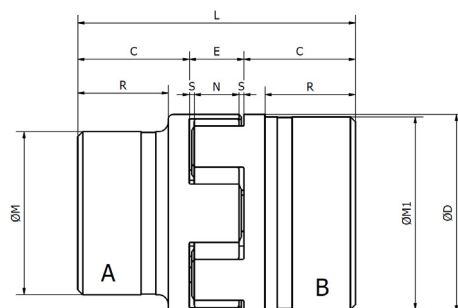
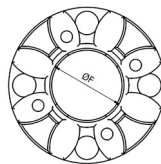
## CAST-IRON GG25

### EXAMPLE HUB CODE

0220 24 20  
220 HUB GE-T TYPE 20 DESIGN A  
CAST IRON 40 DESIGN B  
40L DESIGN BL

### MATERIAL

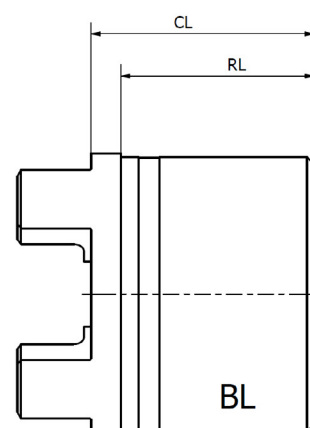
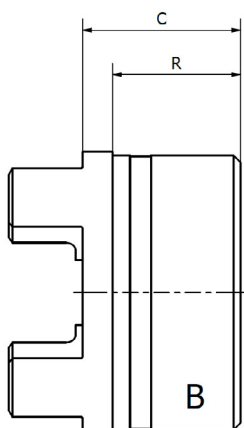
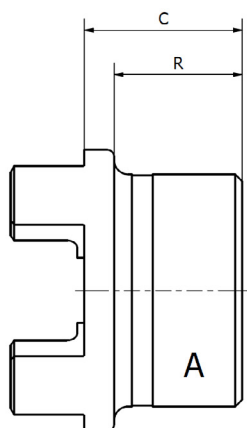
MAT. C45 EN 10083  
MAT. CAST IRON G20/25 EN 15



| COUPLING TYPE | Ø BORE |      | Ø MAX BORE ALLOWED |          | DIMENSIONS |     |    |     |     |     |    |      |     |     |     |      | BL |
|---------------|--------|------|--------------------|----------|------------|-----|----|-----|-----|-----|----|------|-----|-----|-----|------|----|
|               | A      | B/BL | A max              | B/BL max | C          | ØD  | E  | ØF  | ØM  | ØM1 | N  | R    | S   | L   | CL  | CL   |    |
| GE-T 19A-24B* | -      | -    | 19                 | 24       | 25         | 40  | 16 | 18  | 30  | 40  | 12 | 19   | 2   | 66  | 37  | 31   |    |
| GE-T 24A-32B  | -      | -    | 24                 | 32       | 30         | 55  | 18 | 27  | 40  | 55  | 14 | 24   | 2   | 78  | 50  | 44   |    |
| GE-T 28A-38B  | -      | -    | 28                 | 38       | 35         | 65  | 20 | 30  | 48  | 65  | 15 | 27,5 | 2,5 | 90  | 60  | 52,5 |    |
| GE-T 38A-45B  | -      | -    | 38                 | 45       | 45         | 80  | 24 | 38  | 66  | 78  | 18 | 36,5 | 3   | 114 | 70  | 61,5 |    |
| GE-T 42A-55B  | -      | -    | 42                 | 55       | 50         | 95  | 26 | 46  | 75  | 94  | 20 | 40   | 3   | 126 | 75  | 65   |    |
| GE-T 48A-60B  | -      | -    | 48                 | 60       | 56         | 105 | 28 | 51  | 85  | 104 | 21 | 45   | 3,5 | 140 | 80  | 69   |    |
| GE-T 55A-70B  | -      | -    | 55                 | 70       | 65         | 120 | 30 | 60  | 98  | 118 | 22 | 52   | 4   | 160 | 90  | 88   |    |
| GE-T 65A-75B  | -      | -    | 65                 | 75       | 75         | 135 | 35 | 68  | 115 | 134 | 26 | 61   | 4,5 | 185 | 100 | 86   |    |
| GE-T 75A-90B  | -      | -    | 75                 | 90       | 85         | 160 | 40 | 80  | 135 | 158 | 30 | 69   | 5   | 210 | 110 | 97   |    |
| GE-T 90A-100B | 38     | 38   | 90                 | 100      | 100        | 200 | 45 | 100 | 160 | 180 | 34 | 81   | 5,5 | 245 | 125 | 106  |    |

| COUPLING TYPE | WEIGHT Kg       |       |       |        | J                      |
|---------------|-----------------|-------|-------|--------|------------------------|
|               | SPIDER elastico | HUB A | HUB B | HUB BL |                        |
| GE-T 19A-24B* | 0,004           | 0,18  | 0,25  | 0,40   | Kg cm² mozzi A + B 0,8 |
| GE-T 24A-32B  | 0,014           | 0,36  | 0,55  | 0,91   | 3                      |
| GE-T 28A-38B  | 0,025           | 0,6   | 0,85  | 1,32   | 7                      |
| GE-T 38A-45B  | 0,042           | 1,35  | 1,65  | 2,58   | 20                     |
| GE-T 42A-55B  | 0,066           | 2     | 2,3   | 3,99   | 50                     |
| GE-T 48A-60B  | 0,088           | 2,75  | 3,1   | 5,10   | 80                     |
| GE-T 55A-70B  | 0,116           | 4,2   | 4,5   | 7,57   | 160                    |
| GE-T 65A-75B  | 0,172           | 6,5   | 6,8   | 10,82  | 310                    |
| GE-T 75A-90B  | 0,325           | 10    | 10,8  | 16,00  | 680                    |
| GE-T 90A-100B | 0,44            | 14    | 15,8  | 23,72  | 1590                   |

J linertia moment hub A+B with max bore allowed





## ALUMINIUM ALLOY

### INTERPRETATION CODES

#### EXAMPLE

GE-T 19A-24B/AI = HUB A + HUB B

GE-T 19A-19A/AI = 2 HUB A

GE-T 24B-24B/AI = 2 HUB B

The characteristic size of the coupling is defined by the maximum diameter bore.

### ON REQUEST

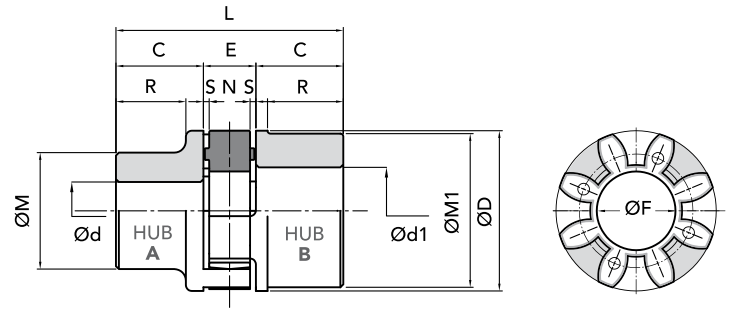
we execute machining for finish bore and keyway.

### IMPORTANT

The couplings can be ordered complete, or for single components: HUB 1 + Spider + HUB 2

### MATERIAL

ALUMINIUM 6082-T6 EN 573



### Part Numbers

| COUPLING TYPE   | PART NUMBER HUB A | PART NUMBER HUB B | Spider BLACK | Spider RED | Polyurethane YELLOW spider |
|-----------------|-------------------|-------------------|--------------|------------|----------------------------|
| GE-T 19A-24B/AI | 02301920          | 02301940          |              |            |                            |
| GE-T 24A-32B/AI | 02302420          | 02302440          |              |            |                            |
| GE-T 28A-38B/AI | 02302820          | 02302840          |              |            |                            |
| GE-T 38A-45B/AI | 02303820          | 02303840          |              |            |                            |

### Measurements - Weight

| COUPLING TYPE   | Ø pilot bore |    | Ø finished bore |         | Measurement in mm normal range |    |    |    |    |     |    |      |     |     | spider | Kg    |       | J Kg cm <sup>2</sup> |
|-----------------|--------------|----|-----------------|---------|--------------------------------|----|----|----|----|-----|----|------|-----|-----|--------|-------|-------|----------------------|
|                 | A            | B  | Ød max          | ØD1 max | C                              | ØD | E  | ØF | ØM | ØM1 | N  | R    | S   | L   |        | hub A | hub B | hubs A+B             |
| GE-T 19A-24B/AI | 6            | 10 | 19              | 24      | 25                             | 40 | 16 | 18 | 30 | 40  | 12 | 19   | 2   | 66  | 0,005  | 0,07  | 0,08  | 0,4                  |
| GE-T 24A-32B/AI | 8            | 14 | 24              | 32      | 30                             | 55 | 18 | 27 | 40 | 55  | 14 | 24   | 2   | 78  | 0,014  | 0,13  | 0,18  | 1                    |
| GE-T 28A-38B/AI | 10           | 16 | 28              | 38      | 35                             | 65 | 20 | 30 | 48 | 65  | 15 | 27,5 | 2,5 | 90  | 0,025  | 0,22  | 0,3   | 3                    |
| GE-T 38A-45B/AI | 12           | 20 | 38              | 45      | 45                             | 80 | 24 | 38 | 66 | 78  | 18 | 36,5 | 3   | 114 | 0,042  | 0,48  | 0,55  | 8                    |

J inertia torque HUB A+B with bore max Ø



## CAST-IRON GG25

### INTERPRETATION CODES

#### EXAMPLE

GE-T 28I-38E = HUB I + HUB E

GE-T 28E-38I = HUB E + HUB I

GE-T 28I-28I = 2 HUB I

GE-T 38E-38E = 2 HUB E

#### INSERTION BUSH:

HUB I with internal assembled bush

HUB E with external assembled bush

### ON REQUEST

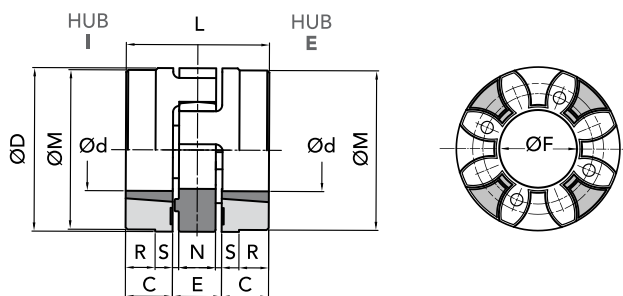
we execute machining for finish bore and keyway.

### IMPORTANT

The couplings can be ordered complete, or for single components: HUB 1 + Spider + HUB 2

### MATERIAL

CAST-IRON G20/25 EN 1561



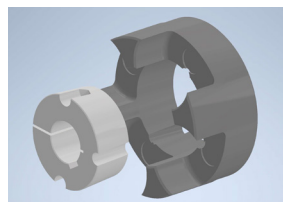
### Part Numbers

| COUPLING TYPE | PART NUMBER HUB I | PART NUMBER HUB E | Spider BLACK | Spider RED | Polyurethane YELLOW spider |
|---------------|-------------------|-------------------|--------------|------------|----------------------------|
| GE-T 28-38 TL | 03202841          | 03202840          |              |            |                            |
| GE-T 38-45 TL | 03203841          | 03203840          |              |            |                            |
| GE-T 42-55 TL | 03204241          | 03204240          |              |            |                            |
| GE-T 48-60 TL | 03204841          | 03204840          |              |            |                            |
| GE-T 55-70 TL | 03205541          | 03205540          |              |            |                            |
| GE-T 75-90 TL | 03207541          | 03207540          |              |            |                            |

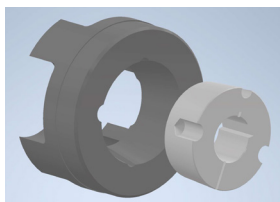
### Measurements - Weight

| COUPLING TYPE | Ø pilot bore | Ø finished bore |         | Measurement in mm normal range |     |    |    |     |    |     |     |    |        | Kg           | J Kg cm² |
|---------------|--------------|-----------------|---------|--------------------------------|-----|----|----|-----|----|-----|-----|----|--------|--------------|----------|
|               | Lock         | Ød max          | ØD1 max | C                              | ØD  | E  | ØF | ØM  | N  | S   | L   | R  | spider | Hub bore max |          |
| GE-T 28-38 TL | 1108         | 14              | 25      | 23                             | 65  | 20 | 30 | 65  | 15 | 2,5 | 66  | -  | 0,025  | 0,50         | 7        |
| GE-T 38-45 TL | 1108         | 14              | 25      | 23                             | 80  | 24 | 38 | 78  | 18 | 3   | 70  | 15 | 0,042  | 0,88         | 26       |
| GE-T 42-55 TL | 1610         | 14              | 42      | 26                             | 95  | 26 | 46 | 94  | 20 | 3   | 78  | 16 | 0,066  | 1,40         | 36       |
| GE-T 48-60 TL | 1615         | 19              | 40      | 39                             | 105 | 28 | 51 | 104 | 21 | 3,5 | 106 | 28 | 0,088  | 2,33         | 78       |
| GE-T 55-70 TL | 2012         | 19              | 50      | 33                             | 120 | 30 | 60 | 118 | 22 | 4   | 96  | 20 | 0,116  | 2,42         | 120      |
| GE-T 75-90 TL | 2517         | 19              | 65      | 35                             | 160 | 40 | 80 | 158 | 30 | 5   | 132 | 30 | 0,325  | 6,80         | 630      |

J inertia torque HUB A+B with bore max Ø



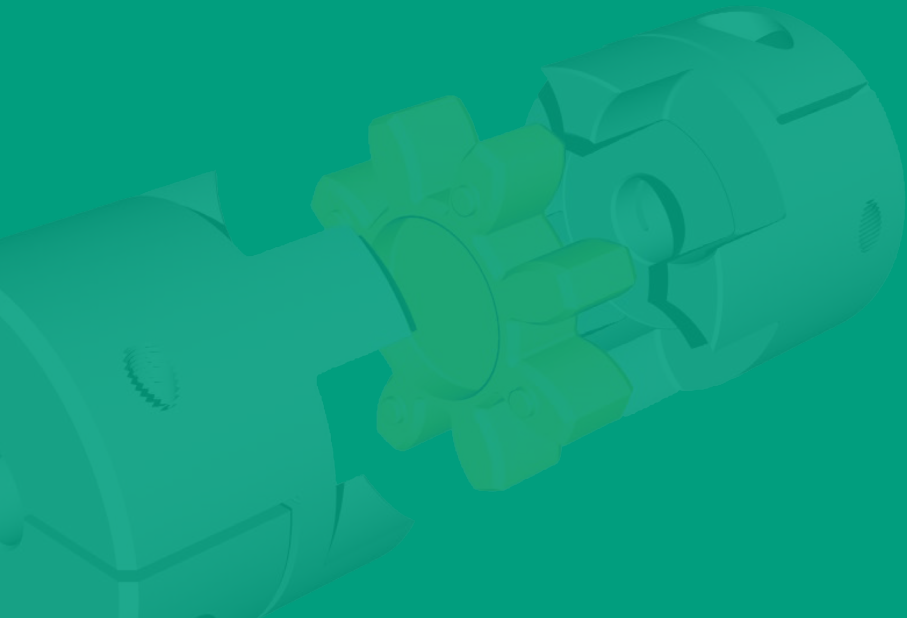
Hub I



Hub E



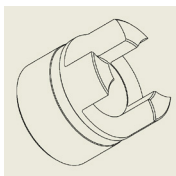
# Series GE-T SG





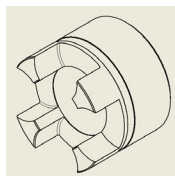
# Hub Design

## GIFLEX® GE-T SG



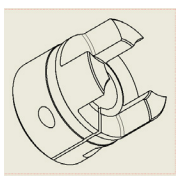
### DESIGN A

Solid hub size 9 and 14 for 4-spikes elastomer, size 19 for 6-spikes elastomer.



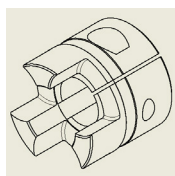
### DESIGN B

Solid hub size 24 to 38 for 8-spikes elastomer.



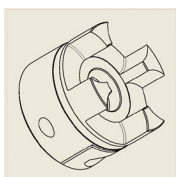
### DESIGN C

With single-cut clamp from size 9 to size 19, torques suitable according to hole-diameter. Also available with the compact version from size 9 to size 38.



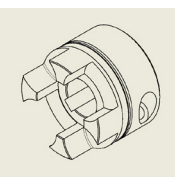
### DESIGN CK

With single-cut clamp and keyway acc. to DIN 6885 - JS9, from size 14 to size 19. Also available with the compact version from size 9 to size 38.



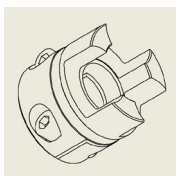
### DESIGN D

With double-cut clamp from size 24 to size 38, torques suitable according to hole-diameter.



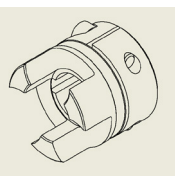
### DESIGN DK

With double-cut clamp and keyway acc. to DIN 6885 - JS9, from size 24 to size 38.



### DESIGN H

With 2x screws fixing clamp for radial mounting, torques suitable according to hole-diameter. Available from size 24 to size 42.



### DESIGN HK

With 2x Screws fixing clamp for radial mounting and keyway acc. to DIN 6885 - JS9. Available from size 24 to size 42.



## **GIFLEX® GE-T SG**

### **INTRODUCTION**

The GE-T SG elastic couplings are composed of three pre-loaded and backlash-free elements.

Designed for plug-in (or plug-and-play) mounting, they are suitable for use in systems where low operating torque is required, and in industrial processes where couplings must meet specific requirements.

Thanks to their small dimensions and particularly easy assembly, they operate in limited spaces, offering considerable advantages in design.

### **FEATURES**

The clamp-style execution (or clamp coupling) allows for quick and secure fixing with zero backlash between the shaft and the hub. It is nevertheless important to observe the tightening torque (MS) of the screw, as shown in the table.

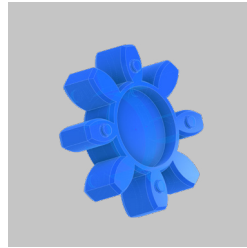
Always verify the transmissible torque of the clamp as a function of the diameter (F), in addition to the size of the coupling itself, as reported in the table.

The star-shaped elastic element is inserted with a slight pre-load into the hub jaws, thereby ensuring the transmission of the necessary torque with backlash-free operation.

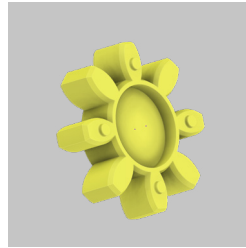


EXAMPLE SPIDER CODE

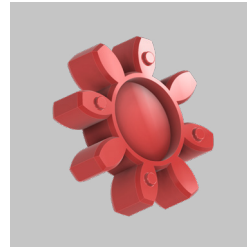
|          |      |            |
|----------|------|------------|
| 025      | 14   | 100        |
| 025      | TYPE | COLOR:     |
| COUPLING |      | 100 YELLOW |
| GE-T SG  |      | 102 BLUE   |
|          |      | 104 RED    |
|          |      | 106 GREEN  |



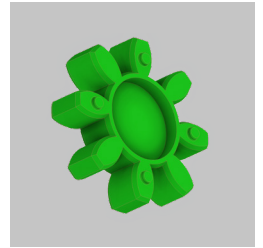
BLUE 80 Sh A  
POLYURETHAN



YELLOW 92/94 Sh A  
POLYURETHAN



RED 96/98 Sh A  
POLYURETHAN



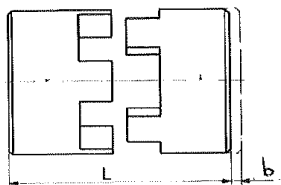
GREEN 64 Sh D  
POLYURETHAN

Technical data

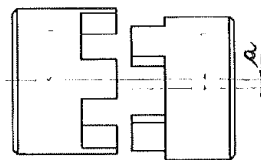
| COUPLING TYPE | HARDNESS WITH SPIDER | MAX speed for type |          |          |       | Nm          |               | Stiffness            |                      |           | Max inertia moment |
|---------------|----------------------|--------------------|----------|----------|-------|-------------|---------------|----------------------|----------------------|-----------|--------------------|
|               |                      | Design C           | Design D | Design H | max   | Tk n couple | Tk max couple | tors. static Nm/rad) | tors. dynamic Nm/rad | radial Nm |                    |
| GE-T 9 SG     | 80 Sh A              | 19000              |          |          | 28000 | 1,8         | 3,6           | 17,02                | 52                   | 125       | 0,57               |
|               | 92/94 Sh A           |                    |          |          |       | 3           | 6             | 31,5                 | 95                   | 262       |                    |
|               | 96/98 Sh A           |                    |          |          |       | 5           | 10            | 51,5                 | 150                  | 518       |                    |
| GE-T 14 SG    | 80 Sh A              | 12700              |          | 12700    | 19000 | 4           | 8             | 60,2                 | 180                  | 153       | 3,25               |
|               | 92/94 Sh A           |                    |          |          |       | 7,5         | 15            | 114,6                | 344                  | 336       |                    |
|               | 96/98 Sh A           |                    |          |          |       | 12,5        | 25            | 172                  | 513                  | 604       |                    |
|               | 64 Sh D              |                    |          |          |       | 16          | 32            | 238                  | 702                  | 856       |                    |
| GE-T 19-24 SG | 80 Sh A              | 9550               |          | 9550     | 1400  | 4,9         | 9,8           | 343,8                | 1030                 | 740       | 21,9               |
|               | 92/94 Sh A           |                    |          |          |       | 10          | 20            | 573                  | 1720                 | 1260      |                    |
|               | 96/98 Sh A           |                    |          |          |       | 17          | 34            | 859                  | 2580                 | 2210      |                    |
|               | 64 Sh D              |                    |          |          |       | 21          | 42            | 2450                 | 3820                 | 2970      |                    |
| GE-T 24-28 SG | 80 Sh A              |                    | 6950     | 6950     | 10600 | 17          | 34            | 850                  | 1385                 | 840       | 58,3               |
|               | 92/94 Sh A           |                    |          |          |       | 35          | 70            | 2280                 | 4296                 | 1900      |                    |
|               | 96/98 Sh A           |                    |          |          |       | 60          | 120           | 3700                 | 8125                 | 2940      |                    |
|               | 64 Sh D              |                    |          |          |       | 75          | 150           | 5000                 | 11000                | 3700      |                    |
| GE-T 28-38 SG | 80 Sh A              |                    | 5850     | 5850     | 8500  | 46          | 92            | 1360                 | 2345                 | 990       | 216,8              |
|               | 92/94 Sh A           |                    |          |          |       | 95          | 190           | 3820                 | 7260                 | 2100      |                    |
|               | 96/98 Sh A           |                    |          |          |       | 160         | 320           | 4190                 | 10315                | 3680      |                    |
|               | 64 Sh D              |                    |          |          |       | 200         | 400           | 10010                | 20035                | 4400      |                    |
| GE-T 38-45 SG | 80 Sh A              |                    | 4750     | 4750     | 7100  | 95          | 190           | 3000                 | 6100                 | 1400      | 445,2              |
|               | 92/94 Sh A           |                    |          |          |       | 190         | 380           | 4589                 | 13752                | 2900      |                    |
|               | 96/98 Sh A           |                    |          |          |       | 325         | 650           | 7160                 | 21845                | 5040      |                    |
|               | 64 Sh D              |                    |          |          |       | 405         | 810           | 25600                | 40250                | 6445      |                    |
| GE-T 42 SG    | 80 Sh A              |                    | 4000     | 4000     | 6000  | 130         | 270           | 4500                 | 9600                 | 1950      | 2802               |
|               | 92/94 Sh A           |                    |          |          |       | 270         | 540           | 9800                 | 20500                | 4100      |                    |
|               | 96/98 Sh A           |                    |          |          |       | 450         | 900           | 15180                | 34200                | 5940      |                    |
|               | 64 Sh D              |                    |          |          |       | 565         | 1130          | 37000                | 70000                | 7300      |                    |

with radial speed more than  $v=30\text{m/s}$  dynamic balancing is needed

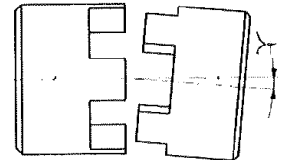
Axial displacement



Radial displacement



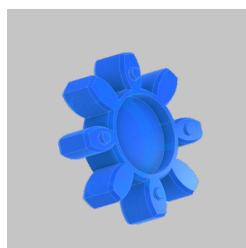
Angular displacement



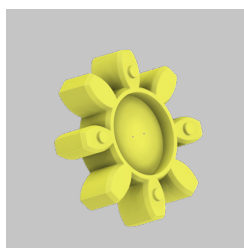


#### EXAMPLE SPIDER CODE

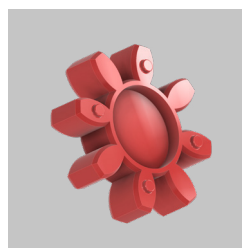
|          |      |            |
|----------|------|------------|
| 025      | 14   | 100        |
| ↓        | ↓    | ↓          |
| 025      | TYPE | COLOR:     |
| COUPLING |      | 100 YELLOW |
| GE-T SG  |      | 102 BLUE   |
|          |      | 104 RED    |
|          |      | 106 GREEN  |



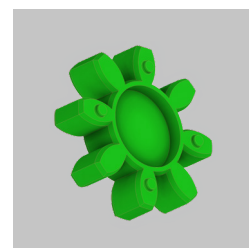
BLUE 80 Sh A  
POLYURETHAN



YELLOW 92/94 Sh A  
POLYURETHAN



RED 96/98 Sh A  
POLYURETHAN



GREEN 64 Sh D  
POLYURETHAN

| COUPLING TYPE | DISPLACEMENT   |                |                 |                  |
|---------------|----------------|----------------|-----------------|------------------|
|               | spider GE-T SG | AXIAL b ( mm ) | RADIAL a ( mm ) | ANGULAR U ( mm ) |
| GE-T 9 SG     | 80 Sh A        |                | 0,19            | 1,1°             |
|               | 92/94 Sh A     | +0,9           | 0,13            | 1,0°             |
|               | 96/98 Sh A     | -0,9           | 0,08            | 0,9°             |
|               | 64 Sh D        |                | 0,05            | 0,8°             |
| GE-T 14 SG    | 80 Sh A        |                | 0,21            | 1,1°             |
|               | 92/94 Sh A     | +1,0           | 0,15            | 1,0°             |
|               | 96/98 Sh A     | -0,5           | 0,09            | 0,9°             |
|               | 64 Sh D        |                | 0,08            | 0,8°             |
| GE-T 19-24 SG | 80 Sh A        |                | 0,15            | 1,1°             |
|               | 92/94 Sh A     | +1,2           | 0,10            | 1,0°             |
|               | 96/98 Sh A     | -0,5           | 0,08            | 0,9°             |
|               | 64 Sh D        |                | 0,04            | 0,8°             |
| GE-T 24-28 SG | 80 Sh A        |                | 0,14            | 1,0°             |
|               | 92/94 Sh A     | +1,4           | 0,10            | 0,9°             |
|               | 96/98 Sh A     | -0,5           | 0,07            | 0,8°             |
|               | 64 Sh D        |                | 0,04            | 0,7°             |
| GE-T 28-38 SG | 80 Sh A        | -              | 0,15            | 1,0°             |
|               | 92/94 Sh A     | +1,5           | 0,11            | 0,9°             |
|               | 96/98 Sh A     | -0,5           | 0,08            | 0,8°             |
|               | 64 Sh D        | -              | 0,05            | 0,7°             |
| GE-T 38-45 SG | 80 Sh A        |                | 0,17            | 1,0°             |
|               | 92/94 Sh A     | +1,8           | 0,12            | 0,9°             |
|               | 96/98 Sh A     | -0,7           | 0,09            | 0,8°             |
|               | 64 Sh D        |                | 0,06            | 0,7°             |
| GE-T 42 SG    | 80 Sh A        | -              | 0,19            | 1,0°             |
|               | 92/94 Sh A     | +2,0           | 0,14            | 0,9°             |
|               | 96/98 Sh A     | -1,0           | 0,10            | 0,8°             |
|               | 64 Sh D        | -              | 0,07            | 0,7°             |



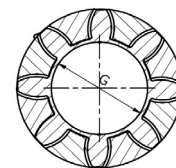
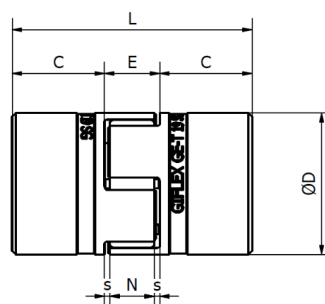
## BACKLASH-FREE COUPLING

### HUB EXECUTION A and B SOLID HUB

MAT ALUMINIUM  
with spider

- 4 pointed **GE-T 09 SG**  
**GE-T 14 SG**
- 6 pointed **GE-T 19-24 SG**
- 8 pointed **GE-T 24-28 SG**  
**GE-T 28-38 SG**  
**GE-T 38-45 SG**

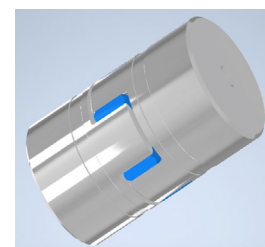
**MATERIAL**  
MAT: ALUMINIUM 6082-T6 EN 573



| COUPLING TYPE | achievable minimum bore Ø | achievable maximum bore Ø | Ø D | Ø G  | L   | C  | E  | N  | S   | Design |
|---------------|---------------------------|---------------------------|-----|------|-----|----|----|----|-----|--------|
| GE-T 09 SG    | 4                         | 9                         | 20  | 7,2  | 30  | 10 | 10 | 8  | 1   | A      |
| GE-T 14 SG    | 4                         | 14                        | 30  | 10,5 | 35  | 11 | 13 | 10 | 1,5 | A      |
| GE-T 19-24 SG | 10                        | 20                        | 40  | 18   | 66  | 25 | 16 | 12 | 2   | A      |
| GE-T 24-28 SG | 15                        | 28                        | 55  | 27   | 78  | 30 | 18 | 14 | 2   | B      |
| GE-T 28-38 SG | 19                        | 35                        | 65  | 30   | 90  | 35 | 20 | 15 | 2,5 | B      |
| GE-T 38-45 SG | 20                        | 45                        | 80  | 38   | 114 | 45 | 24 | 18 | 3   | B      |

#### EXAMPLE HUB CODE

025 14 200  
 025 COUPLING  
 GE-T SG TYPE 200 SOLID HUB



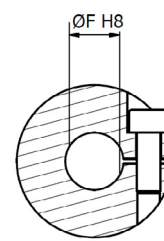
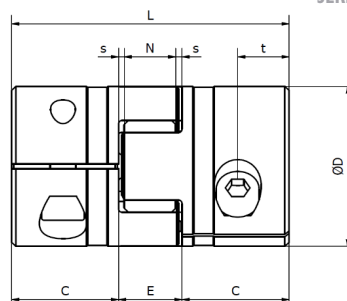
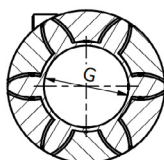
## BACKLASH-FREE COUPLING

### HUB DESIGN C

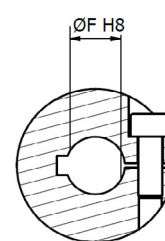
WITH SINGLE CUT  
with spider

- 4 pointed **GE-T 09 SG**  
**GE-T 14 SG**
- 6 pointed **GE-T 19-24 SG**

**MATERIAL**  
MAT: ALUMINIUM 6082-T6 EN 573  
MAT. STEEL C45 EN 10083



DESIGN C

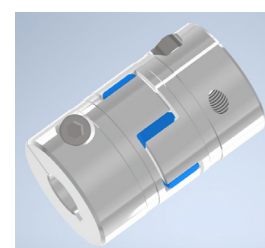


DESIGN CK WITH  
KEY DIN 6885

| Dimensions          |                                                       |  |  |  |     |      |    |    |    |    |     |      |                               |    |
|---------------------|-------------------------------------------------------|--|--|--|-----|------|----|----|----|----|-----|------|-------------------------------|----|
| COUPLING TYPE       | ØF H8 - friction torque for design C                  |  |  |  | Ø D | Ø G  | L  | C  | E  | N  | S   | f    | Ms screw (Nm) clamping torque | t  |
| GE-T 09 SG          | 5 6 8 10                                              |  |  |  | 20  | 7,2  | 30 | 10 | 10 | 8  | 1   | M2,5 | 0,75                          | 5  |
| FRICITION TORQUE Nm | 2,20 - 2,30 - 2,50 - 2,70                             |  |  |  |     |      |    |    |    |    |     |      |                               |    |
| GE-T 14 SG          | 5 6 8 10 12 14 15 16                                  |  |  |  | 30  | 10,5 | 35 | 11 | 13 | 10 | 1,5 | M3   | 1,4                           | 5  |
| FRICITION TORQUE Nm | 4,70 - 4,78 - 5,20 - 5,50 - 6,05 - 6,20 - 6,45 - 6,70 |  |  |  |     |      |    |    |    |    |     |      |                               |    |
| GE-T 19-24 SG       | 8 10 12 14 15 16 18 19 20                             |  |  |  | 40  | 18   | 66 | 25 | 16 | 12 | 2   | M6   | 11                            | 12 |
| FRICITION TORQUE Nm | 25 - 27 - 28 - 30 - 31 - 32 - 33 - 33 - 34,5          |  |  |  |     |      |    |    |    |    |     |      |                               |    |

#### EXAMPLE HUB CODE

025 14 2 12 K  
 025 COUPLING  
 GE-T SG TYPE 2 MAT. 2-ALUMINIUM 3-STEEL C45 ØBORE WITH KEYWAY





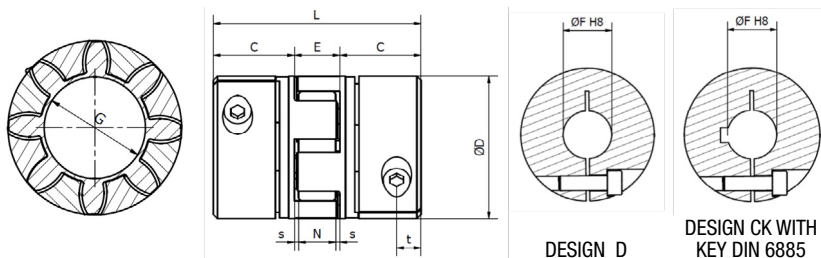
## BACKLASH-FREE COUPLING

### HUB DESIGN D

WITH DOUBLE CUT  
with spider

8 pointed

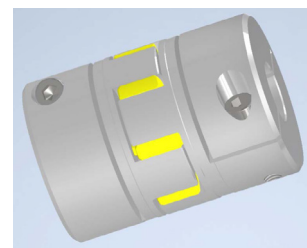
**MATERIAL**  
MAT: ALUMINIUM 6082-T6 EN 573  
MAT. STEEL C45 EN 10083



| Dimensions           |  |                                      |    |     |      |     |      |     |     |     |      |     |     |      |    |    |    |    |     |                               |    |      |      |
|----------------------|--|--------------------------------------|----|-----|------|-----|------|-----|-----|-----|------|-----|-----|------|----|----|----|----|-----|-------------------------------|----|------|------|
| COUPLING TYPE        |  | ØF H8 - friction torque for design C |    |     |      |     |      |     |     |     |      | Ø D | Ø G | L    | C  | E  | N  | S  | f   | Ms screw (Nm) clamping torque | t  |      |      |
| GE-T 24-28 SG        |  | 12                                   | 14 | 15  | 16   | 18  | 19   | 20  | 22  | 24  | 25   | 28  | 20  | 7,2  | 30 | 10 | 10 | 8  | 1   | M6                            | 11 | 10,5 |      |
| TRANSMISSIBLE TORQUE |  | 29                                   | 36 | 38  | 38,5 | 40  | 41,5 | 43  | 45  | 47  | 47,5 | 49  |     |      |    |    |    |    |     |                               |    |      |      |
| GE-T 28-38SG         |  | 18                                   | 19 | 20  | 22   | 24  | 25   | 28  | 30  | 32  | 35   |     | 30  | 10,5 | 35 | 11 | 13 | 10 | 2,5 | M8                            | 25 | 11,5 |      |
| TRANSMISSIBLE TORQUE |  | 84                                   | 85 | 87  | 89   | 91  | 92   | 99  | 100 | 105 | 110  |     |     |      |    |    |    |    |     |                               |    |      |      |
| GE-T 38-45SG         |  | 18                                   | 19 | 20  | 22   | 24  | 25   | 28  | 30  | 32  | 35   | 38  | 40  | 40   | 18 | 66 | 25 | 16 | 12  | 2                             | M8 | 25   | 15,5 |
| TRANSMISSIBLE TORQUE |  | 98                                   | 98 | 100 | 102  | 104 | 106  | 109 | 113 | 115 | 118  | 125 | 130 |      |    |    |    |    |     |                               |    |      |      |

### EXAMPLE HUB CODE

|          |      |             |       |        |
|----------|------|-------------|-------|--------|
| 025      | 24   | 2           | 20    | K      |
| 025      | TYPE | MAT.        | ØBORE | WITH   |
| COUPLING |      | 2-ALUMINIUM |       | KEYWAY |
| GE-T SG  |      | 3-STEEL C45 |       |        |





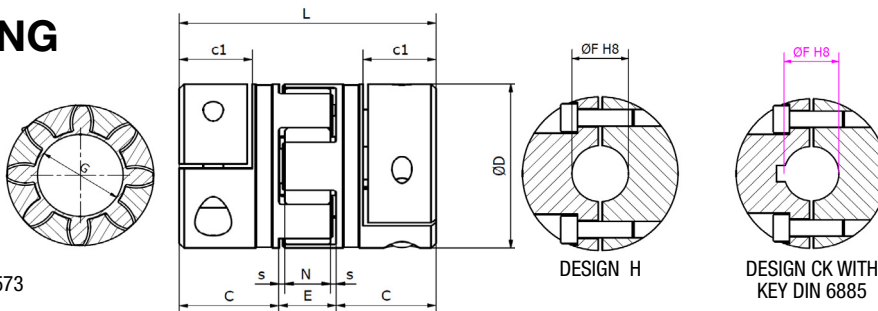
# BACKLASH-FREE COUPLING

## HUB DESIGN H WITH HALF-SHELL CLAMP

with spider

- 4 pointed **GE-T 14 SG**
- 6 pointed **GE-T 19-24 SG**
- 8 pointed **GE-T 24-28 SG**
- GE-T 28-38 SG**
- GE-T 38-45 SG**
- GE-T 42-55 SG**

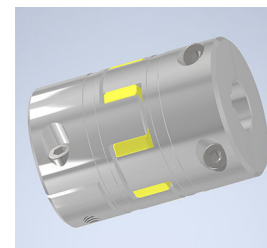
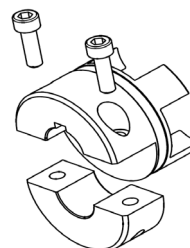
**MATERIAL**  
MAT: ALUMINIUM 6082-T6 EN 573  
STEEL C45 EN 10083  
ON DEMAND



| Dimensions         |                                                                |     |     |     |      |      |     |      |    |      |     |    |      |    |    |     |                               |       |
|--------------------|----------------------------------------------------------------|-----|-----|-----|------|------|-----|------|----|------|-----|----|------|----|----|-----|-------------------------------|-------|
| COUPLING TYPE      | ØF H8 - friction torque for design H                           |     |     |     |      |      |     |      | D  | G    | L   | C  | C1   | E  | N  | s   | Ms screw (Nm) clamping torque | SCREW |
| GE-T 14SG          | 5 - 6 - 8 - 10 - 12 - 14 - 15 - 16                             |     |     |     |      |      |     |      | 30 | 10,5 | 50  | 18 | 13,3 | 13 | 10 | 1,5 | 5                             | M4    |
| FRICTION TORQUE Nm | 8                                                              | 8,3 | 8,9 | 9,5 | 10,1 | 10,7 | 11  | 11,3 |    |      |     |    |      |    |    |     |                               |       |
| GE-T 19-24SG       | 8 - 10 - 12 - 14 - 15 - 16 - 18 - 19 - 20                      |     |     |     |      |      |     |      | 40 | 18   | 66  | 25 | 17,5 | 16 | 12 | 2   | 10                            | M6    |
| FRICTION TORQUE Nm | 17                                                             | 21  | 24  | 30  | 32   | 34   | 38  | 40   |    |      |     |    |      |    |    |     |                               |       |
| GE-T 24-28SG       | 12 - 14 - 15 - 16 - 18 - 19 - 20 - 22 - 24 - 25 - 28           |     |     |     |      |      |     |      | 55 | 27   | 78  | 30 | 20,5 | 18 | 14 | 2   | 10                            | M6    |
| FRICTION TORQUE Nm | 28                                                             | 30  | 32  | 34  | 38   | 40   | 42  | 47   |    |      |     |    |      |    |    |     |                               |       |
| GE-T 28-38SG       | 18 - 19 - 20 - 22 - 24 - 25 - 28 - 30 - 32 - 35                |     |     |     |      |      |     |      | 65 | 30   | 90  | 35 | 25   | 20 | 15 | 2,5 | 25                            | M8    |
| FRICTION TORQUE Nm | 70                                                             | 74  | 78  | 88  | 93   | 97   | 109 | 117  |    |      |     |    |      |    |    |     |                               |       |
| GE-T 38-45SG       | 18 - 19 - 20 - 22 - 24 - 25 - 28 - 30 - 32 - 35 - 38 - 40      |     |     |     |      |      |     |      | 80 | 38   | 114 | 45 | 33   | 24 | 18 | 3   | 25                            | M8    |
| FRICTION TORQUE Nm | 70                                                             | 74  | 78  | 88  | 93   | 97   | 109 | 117  |    |      |     |    |      |    |    |     |                               |       |
| GE-T 42-55SG       | 22 - 24 - 25 - 28 - 30 - 32 - 35 - 38 - 40 - 42 - 45 - 48 - 50 |     |     |     |      |      |     |      | 95 | 46   | 126 | 50 | 39   | 26 | 20 | 3   | 45                            | M10   |
| FRICTION TORQUE Nm | 136                                                            | 149 | 155 | 174 | 188  | 198  | 217 | 235  |    |      |     |    |      |    |    |     |                               |       |

### EXAMPLE HUB CODE

|                     |      |                                    |       |                |
|---------------------|------|------------------------------------|-------|----------------|
| 025                 | 24   | 4                                  | 20    | K              |
| COUPLING<br>GE-T SG | TYPE | MAT.<br>4-ALUMINIUM<br>5-STEEL C45 | ØBORE | WITH<br>KEYWAY |





## BACKLASH-FREE COUPLING

### HUB EXECUTION C COMPACT VERSION WITH SINGLE CUT

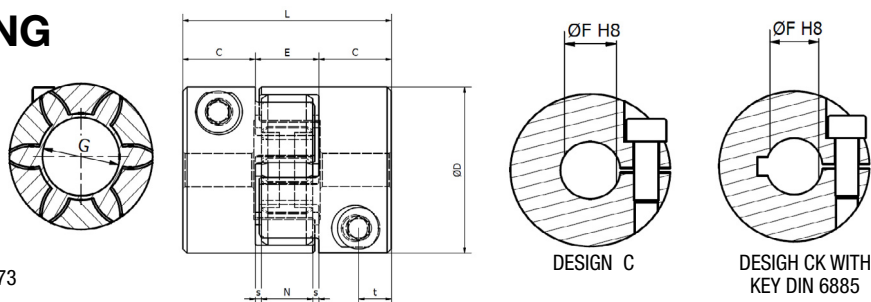
MAT ALUMINIUM  
with spider

4 pointed **GE-T 09 SG**  
**GE-T 14 SG**

6 pointed **GE-T 19-24 SG**

8 pointed **GE-T 24-28 SG**  
**GE-T 28-38 SG**  
**GE-T 38-45 SG**

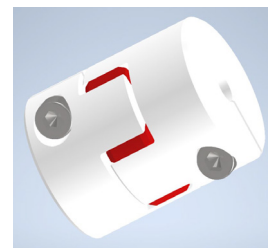
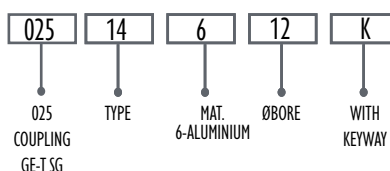
**MATERIAL**  
MAT: ALUMINIUM 6082-T6 EN 573  
ON DEMAND



Dimensions

| COUPLING TYPE                         | ØF H8 - friction torque for design H                                                                         | Ø D | Ø G  | L  | C    | E  | N  | S   | SCREW | Ms screw (Nm) clamping torque | t   |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------|-----|------|----|------|----|----|-----|-------|-------------------------------|-----|
| GE-T 09 SG C<br>FRICTION TORQUE Nm    | 5 - 6 - 8 - 10<br>2 2.1 2.3 2.5                                                                              | 20  | 7,2  | 24 | 7    | 10 | 8  | 1   | M2,5  | 0,75                          | 3,5 |
| GE-T 14 SG C<br>FRICTION TORQUE Nm    | 5 - 6 - 8 - 10 - 12 - 14 - 15 - 16<br>7.1 7.4 8 8.5 9.1 10.2 10.5 11                                         | 30  | 10,5 | 32 | 10,0 | 13 | 10 | 1,5 | M4    | 3,1                           | 5   |
| GE-T 19-24 SG C<br>FRICTION TORQUE Nm | 8 - 10 - 12 - 14 - 15 - 16 - 18 - 19 - 20<br>24.3 25.7 27 28.4 29 29.7 33.1 31.7 32,4                        | 40  | 18   | 50 | 17   | 16 | 12 | 2   | M6    | 11                            | 8,5 |
| GE-T 24-28 SG C<br>FRICTION TORQUE Nm | 12 - 14 - 15 - 16 - 18 - 19 - 20 - 22 - 24 - 25 - 28<br>36 37 38 39 40 41 41 42 44 44 46                     | 55  | 27   | 54 | 18   | 18 | 14 | 2   | M6    | 11                            | 9   |
| GE-T 28-38 SG C<br>FRICTION TORQUE Nm | 18 - 19 - 20 - 22 - 24 - 25 - 28 - 30 - 32 - 35<br>83 84 85 88 90 91 95 98 100 104                           | 65  | 30   | 62 | 21   | 20 | 15 | 2,5 | M8    | 25                            | 11  |
| GE-T 38-45 SG C<br>FRICTION TORQUE Nm | 18 - 19 - 20 - 22 - 24 - 25 - 28 - 30 - 32 - 35 - 38 - 40<br>105 108 112 120 125 129 135 143 150 160 172 181 | 80  | 38   | 76 | 26   | 24 | 18 | 3   | M10   | 45                            | 13  |

### EXAMPLE HUB CODE





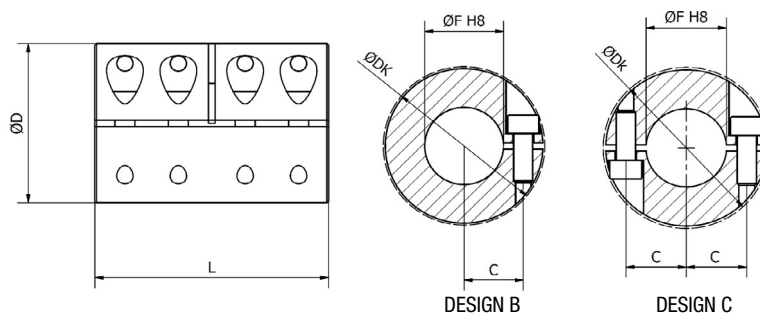


# RIGID COUPLING TYPE RJ

DESIGN B  
ONE PIECE

DESIGN C  
TWO PIECES

MATERIAL  
MAT C45 + E-COATING



## Dimensions

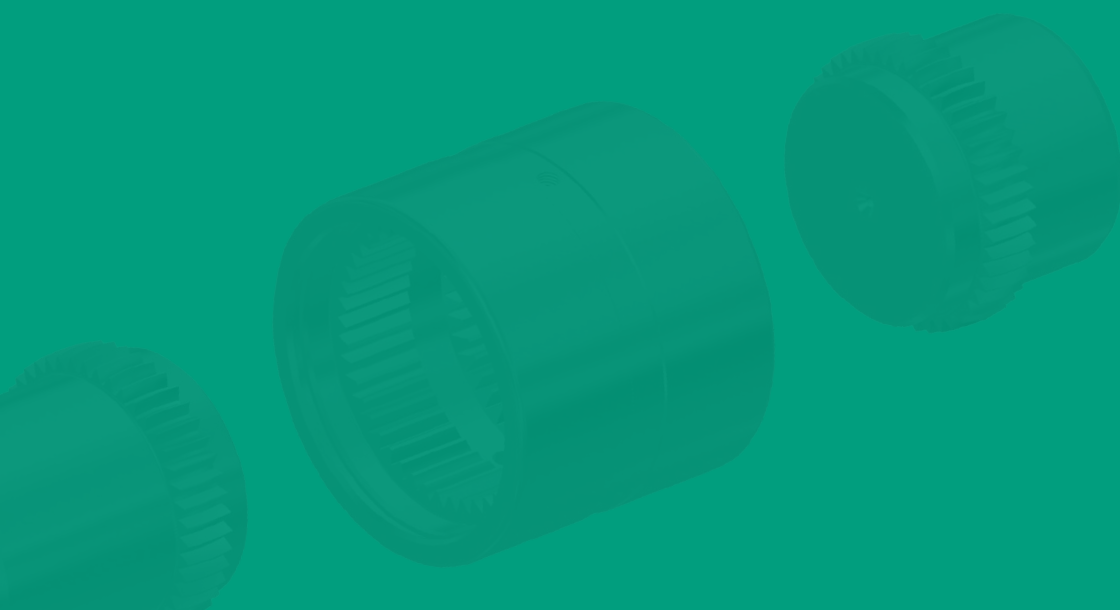
| COUPLING TYPE | WMeasurement in mm normal range |     |        |     |       |
|---------------|---------------------------------|-----|--------|-----|-------|
|               | ØD                              | ØDK | Ø F H8 | L   | C     |
| RJ001         | 32                              | 33  | 10     | 45  | 10,5  |
| RJ002         | 40                              | -   | 15     | 50  | 13,5  |
| RJ003         | 45                              | 47  | 20     | 65  | 16,25 |
| RJ004         | 50                              | 52  | 25     | 70  | 18,75 |
| RJ005         | 55                              | 57  | 30     | 75  | 21,25 |
| RJ006         | 65                              | 70  | 35     | 85  | 25    |
| RJ007         | 70                              | 74  | 40     | 90  | 27,5  |
| RJ008         | 80                              | 83  | 45     | 10  | 31,25 |
| RJ009         | 90                              | 95  | 50     | 110 | 35    |

## Technical data

| COUPLING TYPE | WEIGHT | FRICTION TORQUE Nm |          | MAX SPEED | SCREW 12.9 |           |                   |
|---------------|--------|--------------------|----------|-----------|------------|-----------|-------------------|
|               | Kg     | DESIGN B           | DESIGN C | rpm       | DESIGN B   | DESIGN C  | tightening torque |
| RJ001         | 0,25   | 65                 | 50       | 5500      | n°4 x M4   | n°8 x M4  | 4,9               |
| RJ002         | 0,42   | 140                | 125      | 4200      | n°4 x M5   | n°8 x M5  | 9,7               |
| RJ003         | 0,65   | 250                | 230      | 3800      | n°4 x M6   | n°8 x M6  | 17                |
| RJ004         | 0,87   | 295                | 285      | 3500      | n°4 x M6   | n°8 x M6  | 17                |
| RJ005         | 1,11   | 350                | 345      | 3200      | n°4 x M6   | n°8 x M6  | 17                |
| RJ006         | 1,75   | 800                | 760      | 2700      | n°4 x M8   | n°8 x M8  | 41                |
| RJ007         | 2,13   | 880                | 870      | 2500      | n°4 x M8   | n°8 x M8  | 41                |
| RJ008         | 2,96   | 990                | 980      | 2200      | n°4 x M8   | n°8 x M8  | 41                |
| RJ009         | 4,31   | 1420               | 1360     | 1900      | n°4 x M10  | n°8 x M10 | 83                |



# Series GF, GFA, GFAS







## GIFLEX® GF WITH POLYAMIDE SLEEVE

### INTRODUCTION

The GIFLEX flexible gear coupling range consists of commercial couplings for general applications, which are nevertheless produced according to high quality standards and offer technical and performance characteristics typical of industrial couplings.

The specific application sector concerns power transmissions for the flexible connection of rotating parts, with the ability to compensate for radial and angular misalignments and absorb axial displacements.

Performance is in line with this class of couplings, yet they are made more demanding and better suited to industrial needs by the adopted design criteria and the precision with which the couplings are machined and systematically tested.

### CONSTRUCTION

From a structural point of view, flexible gear couplings consist of two symmetrical steel hubs and a synthetic resin sleeve, which ensures the coupling and power transmission between the two hubs.

The two hubs are made of low-carbon steel and have undergone an anti-corrosion surface treatment. Each hub is fitted with a toothed ring.

The hollow sleeve with internal gearing is formed by injection molding and is made of a high-molecular-weight, semi-crystalline technical polymer, guaranteed by origin certification. It is thermally conditioned and loaded with a solid lubricant that helps improve the self-lubricating characteristics typical of the polymer.

The gearing of the two hubs has a progressive double curvature, produced using a Numerical Control (NC) machine tool, which ensures optimal coupling performance. This solution allows for the compensation of dynamic angular and radial misalignments **EVEN UNDER LOAD CONDITIONS**.

The specific tooth geometry for a given transmitted torque significantly reduces surface pressure, thereby increasing the coupling's load transmission capacity and fatigue resistance.

The polymer's relative insensitivity to atmospheric humidity and its ability to withstand temperatures between  $-20^{\circ}\text{C}$  and  $+120^{\circ}\text{C}$  with short peaks up to  $+150^{\circ}\text{C}$  allow the coupling to endure demanding working conditions, even in an aggressive environment.

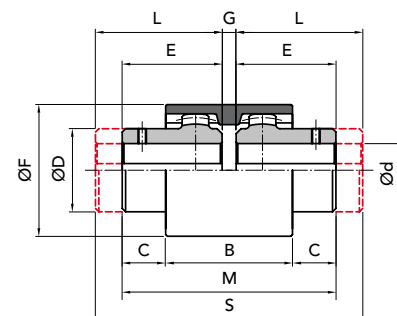
### FEATURES

The couplings offer the following performance characteristics in practical applications:

- Reduced overall dimensions, weight, and moment of inertia;
- Constant velocity performance (or Smooth, constant speed operation);
- Silent operation and the ability to flexibly absorb shock and vibrations;
- Resistance to the most common aggressive chemical agents and moderate heat, with a maximum temperature of  $80^{\circ}\text{C}$ ;
- Self-lubricating, electrical insulation, and maintenance-free;
- Economic, easy to assemble, and suitable for a variety of applications, even in harsh conditions.



## FLEXIBLE TOOTHED COUPLINGS GF



| Part number for complete coupling |                 |                 |                 | Part number for simple components |          |              |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------------------------|----------|--------------|
| COUPLING TYPE                     | P. NUMBER GF NN | P. NUMBER GF NL | P. NUMBER GF LL | HUB NORMAL                        | HUB LONG | SLEEVE NYLON |
| GF 14                             | 00101402        | 00101400        | 00101404        | 00101420                          | 00101440 | 00101410     |
| GF 19                             | 00101902        | 00101900        | 00101904        | 00101920                          | 00101940 | 00101910     |
| GF 24                             | 00102402        | 00102400        | 00102404        | 00102420                          | 00102440 | 00102410     |
| GF 28                             | 00102802        | 00102800        | 00102804        | 00102820                          | 00102840 | 00102810     |
| GF 32                             | 00103202        | 00103200        | 00103204        | 00103220                          | 00103240 | 00103210     |
| GF 38                             | 00103802        | 00103800        | 00103804        | 00103820                          | 00103840 | 00103810     |
| GF 42                             | 00104202        | 00104200        | 00104204        | 00104220                          | 00104240 | 00104210     |
| GF 48                             | 00104802        | 00104800        | 00104804        | 00104820                          | 00104840 | 00104810     |
| GF 55                             | 00105502        | 00105500        | 00105504        | 00105520                          | 00105540 | 00105510     |
| GF 65                             | 00106502        | 00106500        | 00106504        | 00106520                          | 00106540 | 00106510     |

| Dimension- weights |                                           |     |                                          |      |    |      |     |   |     |                   |     |        |            |          |
|--------------------|-------------------------------------------|-----|------------------------------------------|------|----|------|-----|---|-----|-------------------|-----|--------|------------|----------|
| COUPLING TYPE      | Ød AVAILABLE WITH FINISHED BORE ON DEMAND |     | FOR NORMAL RANGE HUBS<br>dimension in mm |      |    |      |     |   |     | LONGS HUBS SERIES |     | SLEEVE | NORMAL HUB | LONG HUB |
|                    | min                                       | max | B                                        | C    | ØD | E    | ØF  | G | M   | L                 | S   | Kg     | Kg         | Kg       |
| GF 14              | 6                                         | 14  | 38                                       | 6,5  | 25 | 23,5 | 41  | 4 | 51  | 30                | 64  | 0,023  | 0,1        | 0,13     |
| GF 19              | 8                                         | 19  | 38                                       | 8,5  | 32 | 25,5 | 48  | 4 | 55  | 40                | 84  | 0,03   | 0,18       | 0,28     |
| GF 24              | 10                                        | 24  | 42                                       | 7,5  | 36 | 26,5 | 52  | 4 | 57  | 50                | 104 | 0,036  | 0,23       | 0,41     |
| GF 28              | 10                                        | 28  | 48                                       | 19   | 45 | 41   | 68  | 4 | 86  | 60                | 124 | 0,08   | 0,54       | 0,78     |
| GF 32              | 12                                        | 32  | 48                                       | 18   | 50 | 40   | 75  | 4 | 84  | 60                | 124 | 0,104  | 0,65       | 0,96     |
| GF 38              | 14                                        | 38  | 50                                       | 17   | 58 | 40   | 85  | 4 | 84  | 80                | 164 | 0,125  | 0,89       | 1,7      |
| GF 42              | 20                                        | 42  | 50                                       | 19   | 63 | 42   | 95  | 4 | 88  | 110               | 224 | 0,178  | 1,08       | 2,73     |
| GF 48              | 20                                        | 48  | 50                                       | 27   | 68 | 50   | 100 | 4 | 104 | 110               | 224 | 0,193  | 1,47       | 3,17     |
| GF 55              | 25                                        | 55  | 65                                       | 29,5 | 82 | 60   | 120 | 4 | 124 | 110               | 224 | 0,348  | 2,61       | 4,67     |
| GF 65              | 25                                        | 65  | 72                                       | 36   | 95 | 70   | 140 | 4 | 144 | 140               | 284 | 0,429  | 4,24       | 8,11     |



IMPORTANT: JOINTS CAN BE ORDERED COMPLETE OR AS INDIVIDUAL COMPONENTS



## GIFLEX® GFA

### PRESENTATION

The **GIFLEX® GFA flexible coupling range** consists of couplings designed with a compact structure for industrial applications, which are **torsionally rigid** and capable of compensating for angular, parallel, and combined misalignments.

The special configuration, featuring a **one-piece sleeve** and **seals at both ends**, makes the couplings suitable for use in aggressive environments and under particularly demanding operating conditions. Performance aligns with the characteristics of a **constant velocity double-cardan joint**, intended for use in both general and specific applications, with the possibility of being mounted even on shafts with **ample free play (or large clearances)**.

The operational limits defined by the maximum torque, rotational speed, and permissible angular misalignment are the result of a design based on a targeted selection of materials, heat treatment, and tooth geometry.

The reliability of the declared operational limits has been confirmed by verifying the **fatigue limits** for both **surface pressure (Hertzian pressure)** and **bending and destructive wear**, in accordance with calculation schemes based on the most authoritative international standards.

The Technical Department of CHIARAVALLI GROUP SpA is available to examine problems related to the selection, application, and maintenance of the couplings in collaboration with users. Upon specific request, special couplings can be offered and manufactured that differ in shape, design, and performance, as an alternative to the standard.

For example:

- **Couplings designed for high angular and parallel misalignments.**
- **Couplings made of high-strength steel and with surface case hardening heat treatment.**
- **Couplings with case-hardened and tempered hubs** (and using a hard metal tool).
- **Special couplings manufactured according to drawing.**

### FEATURES

The **GFA compact coupling range** consists of two toothed hubs and a **one-piece external connecting sleeve**.

The retention of the lubricant inside the coupling is ensured by **two O-ring seals** (or ring seals), located at both ends of the sleeve and held in position by **elastic washers (Seeger rings)**.

Two threaded pins, arranged radially and opposite each other on the sleeve, allow for the use of a **solid lubricant**.

The gearing adopted for the two hubs is a **corrected profile** and features a **progressive double curvature** achieved by machining the gearing on a **Numerical Control (NC) gear cutting machine**.

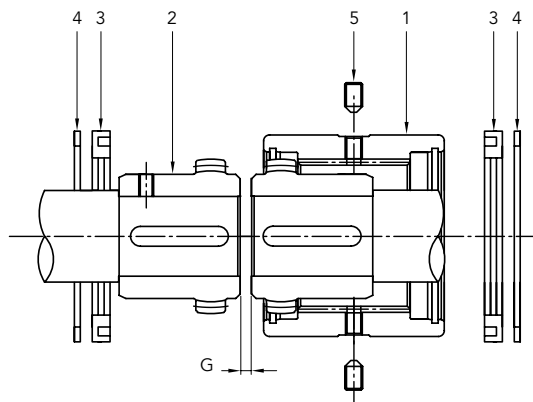
The corrected profile gearing of the sleeve, which has a parallel generatrix, is obtained using a **shaping tool**.

The gearing is produced with **precision category 7**, in accordance with the **DIN 3972** standard, and features a surface finish grade with a roughness not exceeding  $Ra = 1.4$  micrometers, thanks to the machining technology adopted.

Both the hubs and the sleeve are made of **quenched and tempered carbon steel** with a tensile strength of 800 N/mm. At the end of the machining phase, the couplings undergo a **thermochemical surface hardening treatment** which guarantees high resistance to **wear and seizing** (or galling) and also imparts high **corrosion resistance** caused by atmospheric agents. The perfect seal achieved by the gaskets ensures the necessary containment of the lubricant and prevents the penetration of contaminating elements from the outside, thereby contributing to increased **average service life** of the coupling, even if operating in an aggressive environment.

The two toothed bands of the hub are positioned at the maximum distance permitted by the sleeve length. This arrangement ensures a **minimum angular misalignment** for a given parallel misalignment, and it improves the **constant velocity characteristics** of the coupling.

## GFA ASSEMBLY INSTRUCTIONS



### PRESENTATION

- Insert the stop ring (4) and the sealing ring (2) into the shaft.
- Mount the hubs (2) into their respective shafts.
- The sleeve (1) must be mounted on the longest shaft.
- Position the shafts close together and check that the distance G corresponds to the value indicated in the table.
- Align the shafts and check for parallelism, then tighten the hubs onto the shaft.
- Fill the gearing and the space between the hubs with grease.
- At this point, slide the sleeve (1) down and place the sealing rings (3) in their place, then tighten the stop rings (4) into their seating.
- To disassemble, proceed as follows: remove the stop rings (4) using a pair of pliers, separate the sleeve (1) from the hubs (2), and the GFA coupling is completely disassembled.

### MAINTENANCE

Unscrew both plugs (5), then introduce grease using the grease nipple through the greasing holes until the grease comes out of the other hole positioned at 180°. Reposition the plugs. Repeat this operation every 1,000 working hours.

### EQUIVALENT RECOMMENDED GREASES ARE AS FOLLOWS:

| TYPE          | PRODUCER  |
|---------------|-----------|
| Sovarex L-O   | MOBIL OIL |
| Gulfrown EP-0 | GULF OIL  |
| Alesia EP-2   | SHELL     |

For the lubrication of the couplings, the use of greases is foreseen in a quantity sufficient to achieve a **medium fill**.

For **moderate loads** and **normal operating conditions**, we suggest lithium soap greases with a **mineral base oil** and a consistency index of **2 (according to NLGI)**.

For demanding operating conditions regarding temperature and in the presence of **heavy loads**, use barium complex soap greases, PAO **synthetic base oil**, and a consistency index of **2**.

For extreme operating conditions, please consult the Technical Services of CHIARAVALLI GROUP SpA.

The lubricant, with the suggested formulation and characteristics, can be chosen from the product lines indicated on the side (by consulting the Manufacturer).

### N.B.

The technical characteristics, dimensions, and all other data in this catalog are **not binding**. CHIARAVALLI GROUP SpA reserves the right to modify them at any time and without prior notice.

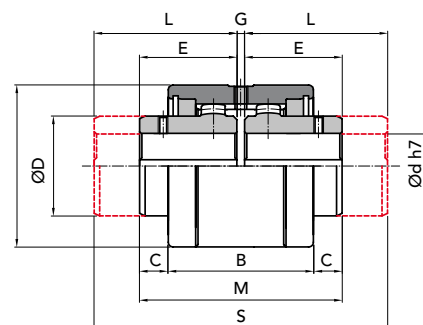


## GIFLEX® GFA

### MATERIAL

C45 QT EN 10083

39NiCrMo3 QT EN 10083-3



| Part number for complete coupling |                  |                  |                  | Part number for simple components |            |          |                                  |
|-----------------------------------|------------------|------------------|------------------|-----------------------------------|------------|----------|----------------------------------|
| COUPLING TYPE                     | P. NUMBER GFA NN | P. NUMBER GFA NL | P. NUMBER GFA LL | SLEEVE                            | HUB NORMAL | HUB LONG | COMPONENTS TO ASSEMBLED COUPLING |
| GFA 25                            | 00202502         | 00202500         | 00202504         | 00202510                          | 00202520   | 00202540 | 00202560                         |
| GFA 32                            | 00203202         | 00203200         | 00203204         | 00203210                          | 00203220   | 00203240 | 00203260                         |
| GFA 40                            | 00204002         | 00204000         | 00204004         | 00204010                          | 00204020   | 00204040 | 00204060                         |
| GFA 56                            | 00205602         | 00205600         | 00205604         | 00205610                          | 00205620   | 00205640 | 00205660                         |
| GFA 63                            | 00206302         | 00206300         | 00206304         | 00206310                          | 00206320   | 00206340 | 00206360                         |
| GFA 80                            | 00208002         | 00208000         | 00208004         | 00208010                          | 00208020   | 00208040 | 00208060                         |
| GFA 100                           | 00210002         | 00210000         | 00210004         | 00210010                          | 00210020   | 00210040 | 00210060                         |
| GFA 125                           | 00212502         | 00212500         | 00212504         | 00212510                          | 00212520   | 00212540 | 00212560                         |
| GFA 155                           | 00215502         | 00215500         | 00215504         | 00215510                          | 00215520   | 00215540 | 00215560                         |

### Dimension- weights

| COUPLING TYPE | Ød AVAILABLE WITH FINISHED BORE ON DEMAND |                 |                    | FOR NORMAL RANGE HUBS<br>dimension in mm |      |     |      |     |    |     | LONGS HUBS SERIES |     | SLEEVE | NORMAL HUB | LONG HUB |
|---------------|-------------------------------------------|-----------------|--------------------|------------------------------------------|------|-----|------|-----|----|-----|-------------------|-----|--------|------------|----------|
|               | Ø bore                                    | max with keyway | max without keyway | B                                        | C    | ØD  | E    | ØF  | G  | M   | L                 | S   | Kg     | Kg         | Kg       |
| GFA 25        | -                                         | 25              | 28                 | 61                                       | 12   | 42  | 41   | 68  | 3  | 85  | 60                | 123 | 0,72   | 0,48       | 0,69     |
| GFA 32        | -                                         | 32              | 38                 | 73                                       | 13,5 | 55  | 48,5 | 85  | 3  | 100 | 80                | 163 | 1,16   | 0,99       | 1,62     |
| GFA 40        | -                                         | 40              | 48                 | 82                                       | 16,5 | 64  | 56   | 95  | 3  | 115 | 80                | 163 | 1,7    | 1,53       | 2,1      |
| GFA 56        | -                                         | 56              | 60                 | 97                                       | 21,5 | 80  | 68   | 120 | 4  | 140 | 100               | 204 | 2,87   | 2,94       | 4,19     |
| GFA 63        | -                                         | 63              | 70                 | 108                                      | 22,5 | 100 | 74,5 | 140 | 4  | 153 | 119,5             | 243 | 3,64   | 4,86       | 7,62     |
| GFA 80        | -                                         | 80              | 90                 | 125                                      | 22,5 | 125 | 82,5 | 175 | 5  | 170 | 140               | 285 | 5,4    | 8,75       | 14,2     |
| GFA 100       | -                                         | 100             | 110                | 148                                      | 34   | 150 | 105  | 198 | 6  | 216 | 174,5             | 355 | 6,88   | 15,68      | 25,26    |
| GFA 125*      | 40                                        | 125             | 140                | 214                                      | 39   | 190 | 140  | 245 | 8  | 288 | 207,5             | 423 | 17,55  | 32,56      | 49,5     |
| GFA 155*      | 40                                        | 155             | 175                | 240                                      | 64   | 240 | 180  | 300 | 10 | 370 | 245               | 498 | 29,3   | 65,5       | 91,5     |

GFA NN



GFA NL



GFA LL



NORMAL HUB



LONG HUB



SLEEVE

**IMPORTANT:** JOINTS CAN BE ORDERED COMPLETE OR AS INDIVIDUAL COMPONENTS









# GIFLEX® GFAS

## PRESENTATION

The GIFLEX® GFAS flexible coupling range consists of couplings designed with a compact structure for industrial applications, which are torsionally rigid and capable of compensating for angular, parallel, and combined misalignments.

The special configuration, featuring a one-piece sleeve and seals at both ends, makes the couplings suitable for use in aggressive environments and under particularly demanding operating conditions. Performance aligns with the characteristics of a constant velocity double-cardan joint, intended for use in both general and specific applications, with the possibility of being mounted even on shafts with ample free play (or large clearances).

The operational limits defined by the maximum torque, rotational speed, and permissible angular misalignment are the result of a design based on a targeted selection of materials, heat treatment, and tooth geometry.

The reliability of the declared operational limits has been confirmed by verifying the fatigue limits for both surface pressure (Hertzian pressure) and bending and destructive wear, in accordance with calculation schemes based on the most authoritative international standards.

The Technical Office of CHIARAVALLI GROUP SpA is available to examine problems related to the selection, application, and maintenance of the couplings in collaboration with users.

Upon specific request, special couplings can be offered and manufactured that differ in shape, design, and performance, as an alternative to standard couplings.

For example:

- Couplings designed for high angular and parallel misalignments.
- Couplings made of high-strength steel and with surface case hardening heat treatment.
- Couplings with case-hardened and tempered hubs and gearing finished with machine tools after heat treatment (slotting with a hard metal tool).
- Special couplings manufactured according to drawing.

## FEATURES

GFAS compact coupling range consists of two toothed hubs and a one-piece external connecting sleeve. The retention of the lubricant inside the coupling is ensured by two O-ring seals (or ring seals), arranged at both ends of the sleeve and held in position by elastic washers (Seeger rings/snap rings). Two threaded pins, arranged radially and opposite each other on the sleeve, allow for the use of a solid lubricant. The gearing adopted for the two hubs is a corrected profile and features a progressive double curvature achieved by machining the gearing on a Numerical Control (NC) gear cutting machine. The corrected profile gearing of the sleeve, which has a parallel generatrix, is obtained using a shaping tool. The gearing is produced with precision category 7, in accordance with the DIN 3972 standard, and features a surface finish grade with a surface roughness not exceeding  $R_a = 1.4$  micrometers, thanks to the machining technology adopted. Both the hubs and the sleeve are made of quenched and tempered carbon steel with a tensile strength of 800 N/mm. At the end of the machining phase, the couplings undergo a thermochemical surface hardening treatment which guarantees high resistance to wear and seizing (or galling) and also imparts high corrosion resistance caused by atmospheric agents. The perfect seal achieved by the gaskets ensures the necessary lubricant containment and prevents the penetration of contaminating elements from the outside, thereby contributing to increased average service life of the coupling, even if operating in an aggressive environment.

The two toothed bands of the hub are positioned at the maximum distance permitted by the sleeve length. This arrangement ensures a **minimum angular misalignment** for a given parallel misalignment, and it improves the **constant velocity characteristics** of the coupling.

## COUPLING SELECTION AND SIZING CRITERIA

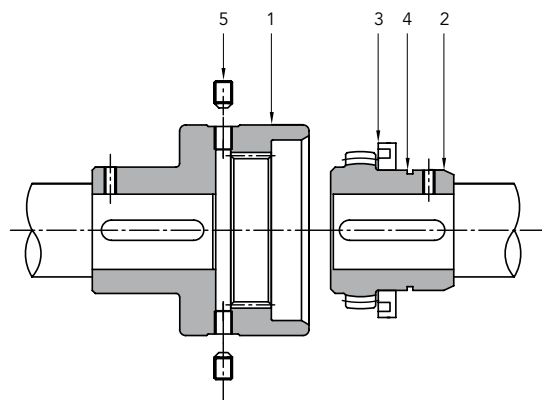
The satisfactory operation and service life of flexible gear couplings depend on the correct selection of the couplings, as well as the compatibility of the operating conditions with the performance provided by the coupling. It is therefore essential to highlight the limit performance of the couplings and clarify the actions of external loads that are exerted on the corresponding couplings. The basic design ensures that all couplings are capable of compensating for a static or mounting angular misalignment equal to 1 degree, thanks to the minimum manufacturing tolerance between the teeth. The dynamic or operating angular misalignment must never exceed 0.5 degrees, although the recommended values should not exceed 0.25 degrees. The declared nominal torque values and the indicated maximum rotational speeds refer to an angular or composite misalignment that does not exceed 1/12 of a degree (5 arc minutes). The "exceptional" torque values that can be supported transiently and during acceleration phases must not be exerted for more than 10–15 seconds and must not occur more than 5 events per hour. Fatigue lives are calculated for a conventional limit of 50 million cycles, considering two load cycles for every revolution of the coupling. Misalignments exceeding 1/8 of a degree (7.5 arc minutes) penalize by decreasing the nominal torque and the maximum rotational speed declared for the individual couplings.

The coupling's performance in terms of torque, limiting speed, and service life will decrease or increase compared to the declared values in the event of operating conditions different from those specified above, or for **"fixed-term" durations**.

The design data have been tested to guarantee a reasonable **safety margin**. The declared performance characteristics are therefore to be considered valid for a service factor equal to 1.

The use of the prescribed lubricants and compliance with the recommended **renewal time intervals** represent the prerequisites for achieving the performance described in the catalog. The Technical Office of CHIARAVALLI GROUP SpA is available to users to provide consultancy in selecting the most suitable coupling type for the actual operating conditions and to provide recommendations in relation to special operating conditions.

## GFAS ASSEMBLY INSTRUCTIONS



### GF AS ASSEMBLY

- A) The seal ring (3) and stop ring (4) are already fitted on the extractable hub (2).
- B) Assembly in closed cone mode only requires the sleeve
  - (1) to be fixed onto one shaft and the extractable hub
  - (2) to be tightened on the other shaft.
- C) Then arrange the shafts to be connected closely together, positioning the hub (2) over the sleeve (1).
- D) To disassemble, separate the shafts then extract the hub (2) from the sleeve (1).

### EQUIVALENT RECOMMENDED GREASES ARE AS FOLLOWS:

| TYPE          | PRODUCER  |
|---------------|-----------|
| Sovarex L-O   | MOBIL OIL |
| Gulfrown EP-O | GULF OIL  |
| Alesia EP-2   | SHELL OIL |

Couplings require lubrication with grease, the quantity of grease used should half fill the available gap.

Use of Lithium soap grease with a base mineral oil and consistency index 2 (in compliance with NLGI) is recommended for moderate loads and normal operating conditions.

Use Barium complex soap grease, PAO synthetic base oil and consistency index 2 for heavy-duty operating conditions as regards temperatures and with heavy loads.

Contact the CHIARAVALLI GROUP SpA Technical Department for extreme operating conditions.

The lubricant complying with the formulation and with the recommended characteristics can be selected from among the range of products indicated below by consulting the Producer.

### N.B.

The technical characteristics, the dimensions and all other data contained in this catalogue are not binding.

CHIARAVALLI GROUP SpA reserves the right to change the measurements indicated at any time and without notice.

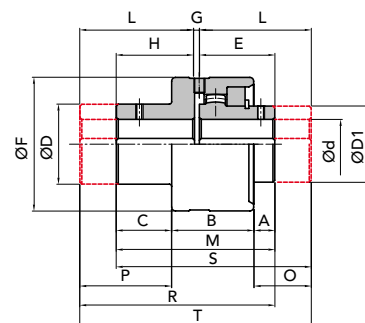


# GIFLEX® GFAS

DESIGN B  
ONE PIECE

DESIGN C  
TWO PIECES

**MATERIAL**  
MAT C45 + E-COATING



| Part number for complete coupling |                   |                   |                   |                   | Part number for simple components |             |            |          |                                  |
|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-----------------------------------|-------------|------------|----------|----------------------------------|
| COUPLING TYPE                     | P. NUMBER GFAS NN | P. NUMBER GFAS NL | P. NUMBER GFAS LN | P. NUMBER GFAS LL | NORMAL SLEEVE                     | LONG SLEEVE | NORMAL HUB | LONG HUB | COMPONENTS TO ASSEMBLED COUPLING |
| GFAS 25                           | 00302502          | 00302500          | 00302506          | 00302504          | 00302510                          | 00302511    | 00302520   | 00302540 | 00302560                         |
| GFAS 32                           | 00303202          | 00303200          | 00303206          | 00303204          | 00303210                          | 00303211    | 00303220   | 00303240 | 00303260                         |
| GFAS 40                           | 00304002          | 00304000          | 00304006          | 00304004          | 00304010                          | 00304011    | 00304020   | 00304040 | 00304060                         |
| GFAS 56                           | 00305602          | 00305600          | 00305606          | 00305604          | 00305610                          | 00305611    | 00305620   | 00305640 | 00305660                         |
| GFAS 63                           | 00306302          | 00306300          | 00306306          | 00306304          | 00306310                          | 00306311    | 00306320   | 00306340 | 00306360                         |
| GFAS 80                           | 00308002          | 00308000          | 00308006          | 00308004          | 00308010                          | 00308011    | 00308020   | 00308040 | 00308060                         |
| GFAS 100                          | 00310002          | 00310000          | 00310006          | 00310004          | 00310010                          | 00310011    | 00310020   | 00310040 | 00310060                         |

| Dimension- weights |                                           |                 |                    |               |      |    |     |     |      |     |   |      |     |              |       |       |       |       |       |               |             |            |          |
|--------------------|-------------------------------------------|-----------------|--------------------|---------------|------|----|-----|-----|------|-----|---|------|-----|--------------|-------|-------|-------|-------|-------|---------------|-------------|------------|----------|
| COUPLING TYPE      | Ød AVAILABLE WITH FINISHED BORE ON DEMAND |                 |                    | NORMAL SERIES |      |    |     |     |      |     |   |      |     | LONGS SERIES |       |       |       |       |       | NORMAL SLEEVE | LONG SLEEVE | NORMAL HUB | LONG HUB |
|                    | Ø bore                                    | max with keyway | max without keyway | A             | B    | C  | ØD  | D1  | E    | ØF  | G | H    | M   | I            | L     | O     | R     | S     | T     | Kg            | Kg          | Kg         | Kg       |
| GFAS 25            | -                                         | 25              | 28                 | 13            | 43   | 29 | 42  | 40  | 41   | 70  | 3 | 41   | 85  | 60           | 60    | 32    | 104   | 104   | 123   | 1,01          | 1,22        | 0,48       | 0,64     |
| GFAS 32            | -                                         | 32              | 38                 | 16            | 49   | 35 | 55  | 55  | 48,5 | 85  | 3 | 48,5 | 100 | 80           | 80    | 47,5  | 131,5 | 131,5 | 163   | 1,75          | 2,32        | 0,99       | 1,57     |
| GFAS 40            | -                                         | 40              | 48                 | 18,5          | 54,5 | 42 | 64  | 64  | 56   | 95  | 3 | 56   | 115 | 80           | 80    | 42,5  | 139   | 139   | 163   | 2,65          | 3,4         | 1,53       | 2,09     |
| GFAS 56            | -                                         | 56              | 60                 | 27            | 60   | 45 | 80  | 80  | 68   | 120 | 4 | 60   | 132 | 100          | 100   | 59    | 172   | 164   | 204   | 4,39          | 5,94        | 2,94       | 4,18     |
| GFAS 63            | -                                         | 63              | 70                 | 31            | 63   | 46 | 100 | 100 | 74,5 | 140 | 4 | 61,5 | 140 | 119,5        | 119,5 | 76    | 198   | 185   | 243   | 6,45          | 10          | 4,86       | 7,61     |
| GFAS 80            | -                                         | 80              | 90                 | 26            | 76   | 51 | 125 | 125 | 82,5 | 175 | 5 | 65,5 | 153 | 138          | 140   | 83,5  | 225,5 | 210,5 | 283   | 10,5          | 17,5        | 8,75       | 14,15    |
| GFAS 100           | -                                         | 100             | 110                | 38            | 92   | 71 | 150 | 150 | 105  | 198 | 6 | 90   | 201 | 162          | 174,5 | 107,5 | 273   | 270,5 | 342,5 | 17,57         | 27,42       | 15,68      | 25,22    |

mat.C45 QT EN 10083



**IMPORTANT:** JOINTS CAN BE ORDERED COMPLETE OR AS INDIVIDUAL COMPONENTS



# Friction torque limiters



# FRICION TORQUE LIMITERS

## INTRODUCTION

The **torque limiter** is used wherever there is a need for **overload protection** on mechanical components (kinematic mechanisms or machinery).

The device, which is simple and effective to use, offers full operational reliability when the required torque exceeds the **pre-set value**, and it **automatically re-engages** when the overload ceases.

The chosen mechanical element among **pulleys, chain sprockets, and gears** is placed between the **friction discs** which, when tightened by the compression of the **disc springs (or cup springs)**, generate a friction force determined by the tightening of the **locknut (or ring nut)**.

## TORQUE LIMITER SELECTION:

$T_{kw}$  = Power in kW

$n$  = revolutions per minute (rpm)

$M_t$  = Torque (Nm)

The torque is given by the relation:

$$M_t = \frac{9550 \times T_{kw}}{n}$$

### Example:

Let's assume we are driving a motor with the following characteristics:

Power 4 kW and  $n = 1.550$  rpm

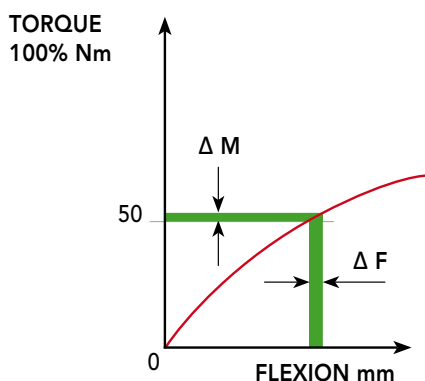
$$M_t = \frac{9550 \times 4}{1550} = 24.64 \text{ Nm}$$

Therefore, we will select a limiter with a torque equal to or greater than 24.64 Nm

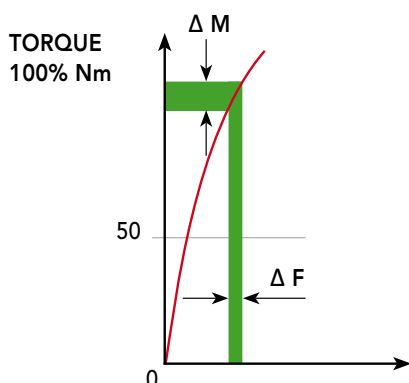
## SCHEME OF THE BELLEVILLE SPRINGS DIN 2093



1 SPRING



2 SPRINGS

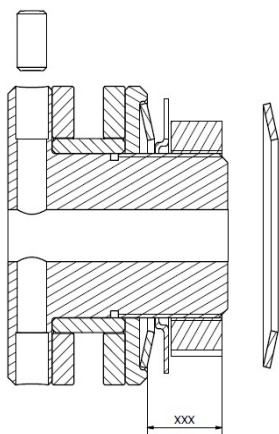
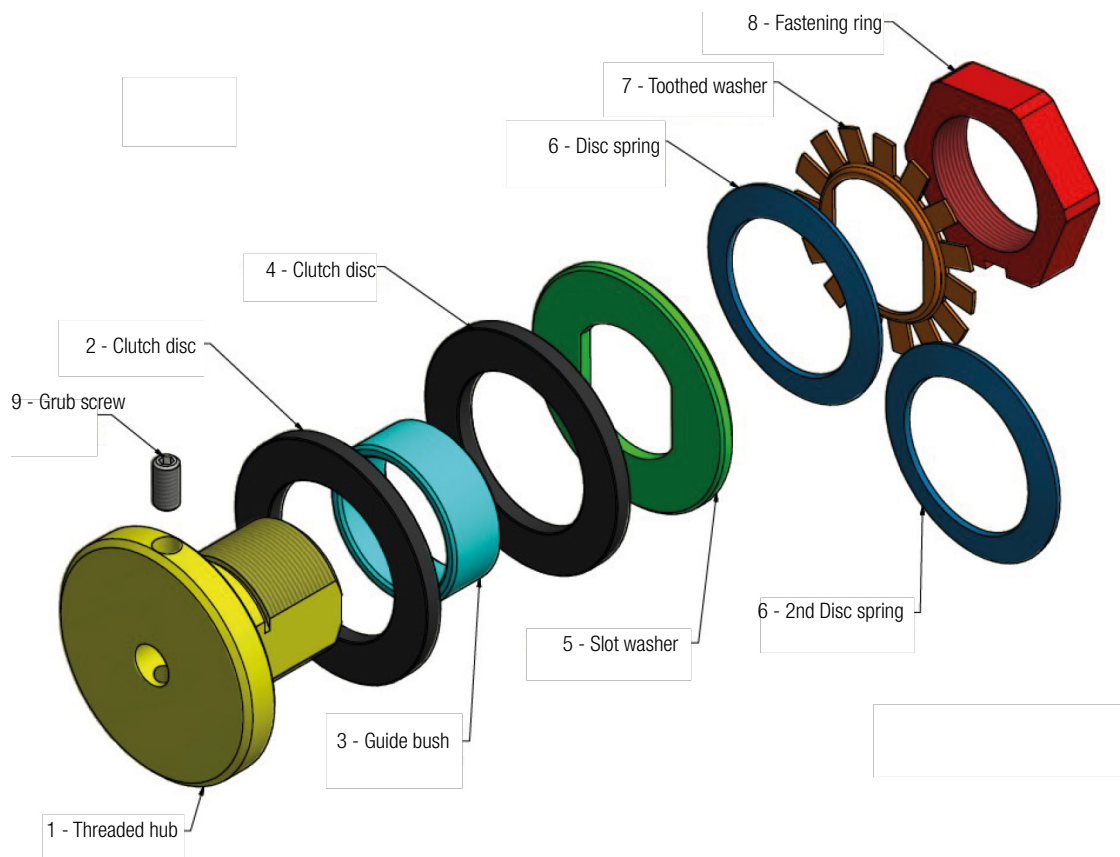




## MOUNTING INSTRUCTIONS LC 40 - 50

### USE WITH ONE OR TWO SPRINGS

For the assembly follow the numbering as shown



| TYPE  | TORQUE N/m | SPRINGS | R mm |
|-------|------------|---------|------|
| LC 40 | 15         | 1       | 0,59 |
|       | 28         | 2       | 0,53 |
| LC 50 | 32         | 1       | 0,72 |
|       | 60         | 2       | 0,57 |

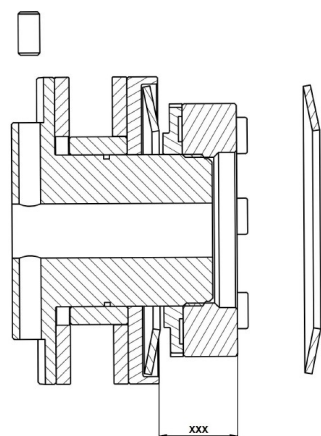
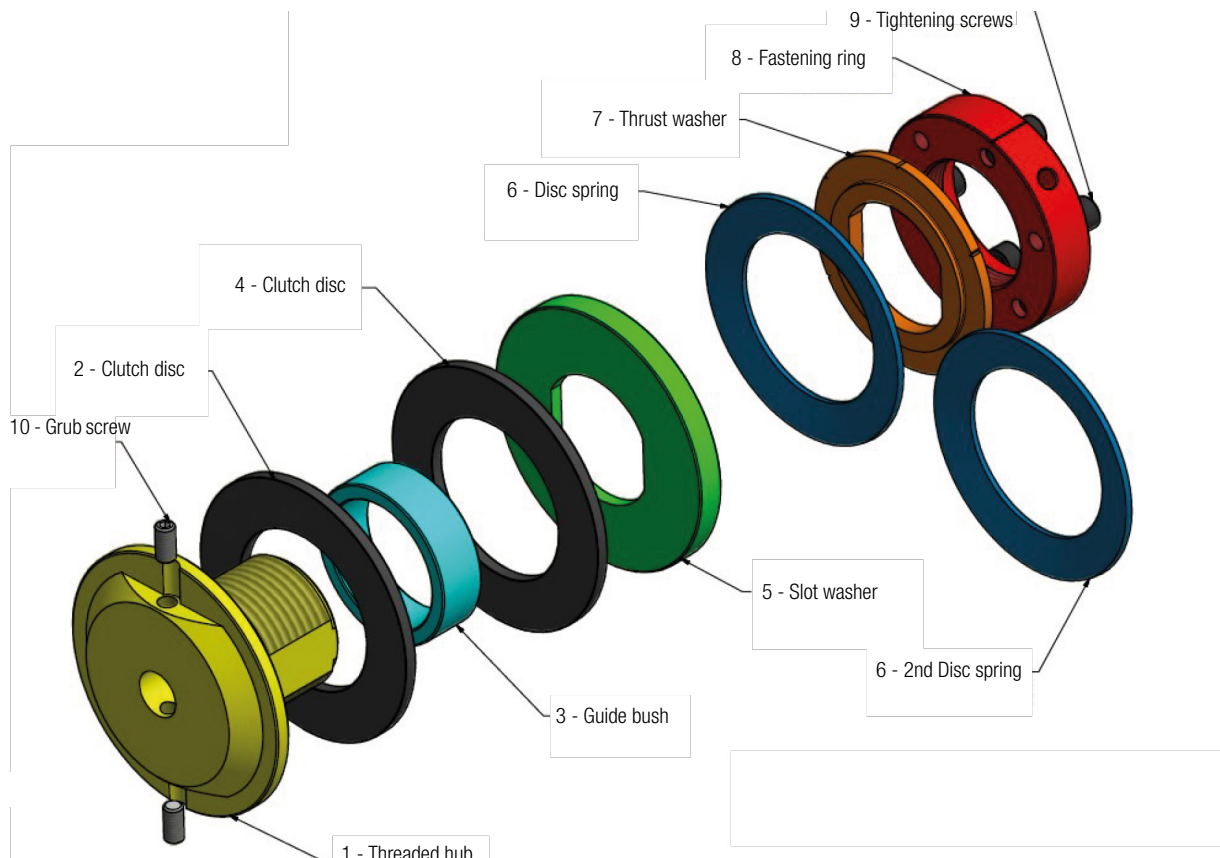
Manually tighten the nut until closing (xxx). To get the maximum torque use the wrench to tighten further (xxx-R). The ring nut is held in position by tightening screws.



## MOUNTING INSTRUCTIONS LC 65-85-95-120-140-170

USE WITH ONE OR TWO SPRINGS

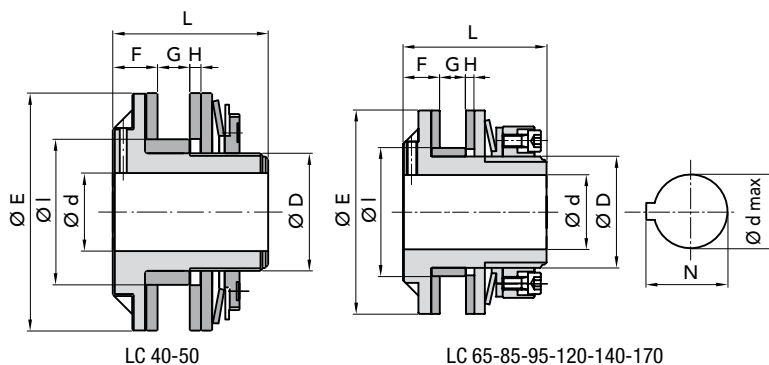
For the assembly follow the numbering as shown



| TYPE   | TORQUE N/m | SPRINGS | R mm |
|--------|------------|---------|------|
| LC 65  | 70         | 1       | 0,65 |
|        | 120        | 2       | 0,55 |
| LC85   | 130        | 1       | 1,65 |
|        | 240        | 2       | 1,35 |
| LC 95  | 190        | 1       | 1,15 |
|        | 340        | 2       | 0,95 |
| LC 120 | 350        | 1       | 2    |
|        | 650        | 2       | 1,75 |
| LC 140 | 650        | 1       | 2,1  |
|        | 1200       | 2       | 1,85 |
| LC 170 | 1000       | 1       | 2,3  |
|        | 1800       | 2       | 1,95 |



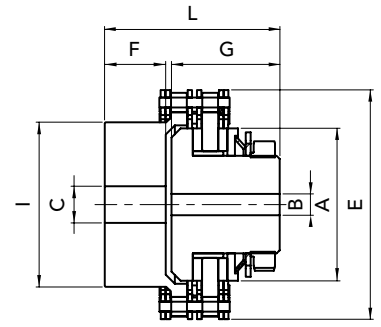
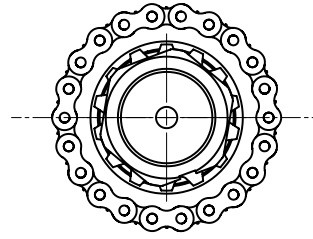
## FRICTION TORQUE LIMITERS



| example |                           |                                       |                              |                           |     |     |    |      |      |     |    |          |                                                 |                |                  |                                         |         |                                                            |                      |                |
|---------|---------------------------|---------------------------------------|------------------------------|---------------------------|-----|-----|----|------|------|-----|----|----------|-------------------------------------------------|----------------|------------------|-----------------------------------------|---------|------------------------------------------------------------|----------------------|----------------|
| TYPE    | LIMITER<br>PART<br>NUMBER | DISHED PLATE<br>SPRING PART<br>NUMBER | DISK FRICTION<br>PART NUMBER | PART<br>NUMBER<br>BUSHING |     |     |    |      |      |     |    |          | MAX. BORE<br>KEYWAY<br>DIN 6885/1<br>on request | MAX.<br>TORQUE | N° OF<br>SPRINGS | SPROCKETS<br>FOR CHAIN<br>(u) = 1,6 : 2 |         | WEIGHT                                                     |                      |                |
|         |                           |                                       |                              |                           | ØE  | ØI  | h8 | Ød   | F    | G   | H  | ØD       | L                                               | Ød max         | N                | N/m                                     | DIN2093 | Ø pitch for roller                                         | N° teeth             | Kg.            |
| LC 40   | 08040000                  | 08040050                              | 08040020                     | 08040030                  | 40  | 26  | 7  | 9    | 6    | 3   | 22 | 30       | 14                                              | 16,3           |                  | 15<br>28                                | 1<br>2  | 3/8" x 6,65<br>1/2" x 8,51                                 | 18-21<br>15          | 0,190<br>0,195 |
| LC 50   | 08050000                  | 08050050                              | 08050020                     | 08050030                  | 50  | 35  | 7  | 10   | 6    | 3   | 32 | 35,5     | 20                                              | 22,8           |                  | 30<br>55                                | 1<br>2  | 3/8"x6,65<br>1/2" x 8,51                                   | 19-23<br>17          | 0,365<br>0,370 |
| LC 40   | 08040000                  | 08040050                              | 08040020                     | 08040030                  | 40  | 26  | 7  | 9    | 6    | 3   | 22 | 30       | 14                                              | 16,3           |                  | 15<br>28                                | 1<br>2  | 3/8" x 6,65<br>1/2" x 8,51                                 | 18-21<br>15          | 0,190<br>0,195 |
| LC 65   | 08065000                  | 08065050                              | 08065020                     | 08065030                  | 65  | 45  | 10 | 16   | 9    | 4   | 36 | 53       | 22                                              | 24,8           |                  | 70<br>120                               | 1<br>2  | 3/8"x6,65<br>1/2"x8,51<br>5/8" x 10,16                     | 27<br>21<br>19       | 0,750<br>0,800 |
| LC 85   | 08085000                  | 08085050                              | 08085020                     | 08085030                  | 85  | 52  | 15 | 16   | 11   | 4   | 45 | 59<br>61 | 25                                              | 28,3           |                  | 130<br>240                              | 1<br>2  | 3/8" x 6,65<br>1/2" x 8,51<br>5/8" x 10,16<br>3/4" x 12,07 | 38<br>25<br>21<br>18 | 1,470<br>1,480 |
| LC 95   | 08095000                  | 08095050                              | 08095020                     | 08095030                  | 95  | 60  | 15 | 17   | 11   | 4   | 52 | 67       | 35                                              | 38,3           |                  | 190<br>340                              | 1<br>2  | 1/2" x 8,51<br>5/8" x 10,16<br>3/4" x 12,07                | 30<br>25<br>19       | 2,160<br>2,170 |
| LC 120  | 08120000                  | 08120050                              | 08120020                     | 08120030                  | 120 | 73  | 20 | 19   | 16   | 4   | 64 | 78       | 45                                              | 48,8           |                  | 350<br>650                              | 1<br>2  | 1/2" x 8,51<br>5/8" x 10,16<br>3/4" x 12,07<br>1" x 15,88  | 38<br>32<br>25<br>21 | 4,000<br>4,100 |
| LC 140  | 08140000                  | 08140050                              | 08140020                     | 08140030                  | 140 | 90  | 20 | 22   | 17   | 4   | 85 | 86,5     | 60                                              | 64,4           |                  | 650<br>1200                             | 1<br>2  | 3/4" x 12,07<br>1" x 15,88                                 | 35<br>21             | 5,900<br>6,000 |
| LC 170  | 08170000                  | 08170050                              | 08170020                     | 08170030                  | 170 | 100 | 28 | 25,5 | 18,5 | 4,5 | 90 | 94       | 65                                              | 69,4           |                  | 1000<br>1800                            | 1<br>2  | 3/4" x 12,07<br>1" x 15,88<br>1" 1/4 x 19,05               | 35<br>25<br>22       | 9,200<br>9,400 |



## TORQUE LIMITERS WITH CHAIN COUPLING LCG

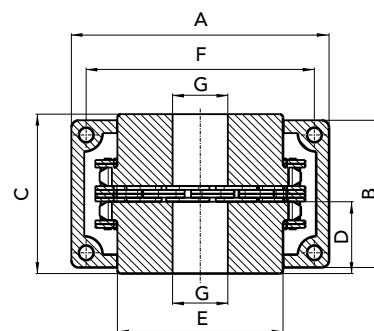


| TYPE    | PART NUMBER | MAX. TORQUE  | N° SPRINGS | A   | B  | B    | C  | C    | E      | F  | G  | I   | L   | DIS. |      | CHAIN PITCH  | Z     | WEIGHT           |
|---------|-------------|--------------|------------|-----|----|------|----|------|--------|----|----|-----|-----|------|------|--------------|-------|------------------|
|         |             |              |            |     |    | max. |    | max. |        |    |    |     |     | mm   | ang. |              | teeth | Kg.              |
| LCG 50  | 08050000    | 30<br>55     | 1<br>2     | 50  | 7  | 20   | 12 | 30   | 75,19  | 20 | 35 | 45  | 57  | 0,20 | 30°  | 3/8 X 7/32"  | 22    | 1,000<br>1,005   |
| LCG 65  | 08065000    | 70<br>120    | 1<br>2     | 65  | 10 | 22   | 16 | 35   | 97,03  | 33 | 50 | 65  | 85  | 0,25 | 30°  | 1/2" X 5/16" | 21    | 2,500<br>2,550   |
| LCG 85  | 08085000    | 130<br>240   | 1<br>2     | 85  | 15 | 25   | 20 | 45   | 121,25 | 36 | 55 | 85  | 94  | 0,30 | 30°  | 5/8" X 3/8"  | 21    | 4,300<br>4,300   |
| LCG 95  | 08095000    | 190<br>340   | 1<br>2     | 95  | 15 | 35   | 20 | 55   | 131,88 | 38 | 67 | 95  | 108 | 0,35 | 30°  | 3/4" X 7/16" | 19    | 6,000<br>6,010   |
| LCG 120 | 08120000    | 350<br>650   | 1<br>2     | 120 | 20 | 45   | 20 | 60   | 168,13 | 47 | 78 | 120 | 128 | 0,35 | 30°  | 3/4" X 7/16" | 25    | 11,000<br>11,100 |
| LCG 140 | 08140000    | 650<br>1200  | 1<br>2     | 140 | 20 | 60   | 30 | 65   | 191,51 | 54 | 86 | 130 | 145 | 0,40 | 30°  | 1" X 17 mm   | 21    | 18,000<br>18,100 |
| LCG 170 | 08170000    | 1000<br>1800 | 1<br>2     | 170 | 28 | 65   | 30 | 75   | 223,74 | 84 | 95 | 130 | 184 | 0,50 | 30°  | 1" X 17 mm   | 25    | 27,000<br>27,200 |

LC Torque limiter connected to the coaxial pinion hub through a double chain.  
Easy adjustment of desired torque through lock nut.  
The two friction elements dished clutch are burnished.



## CHAIN COUPLING WITH KC COVER



| TYPE     | PART NUMBER | CHAIN PITCH | A   | B   | C     | D    | E    | G    | G    | Nm    | WEIGHT |
|----------|-------------|-------------|-----|-----|-------|------|------|------|------|-------|--------|
|          |             |             |     |     |       |      |      |      | max. |       | Kg.    |
| KC 3012  | KC3012      | ASA 35-2    | 69  | 63  | 65    | 29,5 | 27,2 | 12   | 16   | 150   | 0,50   |
| KC 4012  | KC4012      | ASA 40-2    | 77  | 72  | 79,4  | 36   | 33   | 12   | 22   | 210   | 1,00   |
| KC 4014  | KC4014      | ASA 40-2    | 84  | 75  | 79,4  | 36   | 43   | 12   | 28   | 300   | 1,40   |
| KC 4016  | KC4016      | ASA 40-2    | 92  | 74  | 86,2  | 40   | 48   | 14,5 | 32   | 380   | 1,80   |
| KC 5014  | KC5014      | ASA 50-2    | 101 | 84  | 98,6  | 45   | 53   | 14,0 | 35   | 550   | 2,50   |
| KC 5016  | KC5016      | ASA 50-2    | 110 | 84  | 98,6  | 45   | 60   | 16,0 | 40   | 725   | 3,20   |
| KC 5018  | KC5018      | ASA 50-2    | 122 | 84  | 98,6  | 45   | 70,0 | 16   | 45   | 925   | 4,00   |
| KC 6018  | KC6018      | ASA 60-2    | 147 | 105 | 122,2 | 56   | 85,0 | 20   | 55   | 1750  | 7,20   |
| KC 6020  | KC6020      | ASA 60-2    | 158 | 105 | 122,2 | 56   | 98,0 | 20   | 60   | 2050  | 9,50   |
| KC 6022  | KC6022      | ASA 60-2    | 168 | 116 | 122,2 | 56   | 110  | 20   | 75   | 2400  | 11,3   |
| KC 8018  | KC8018      | ASA 80-2    | 190 | 120 | 139,3 | 63   | 110  | 20   | 75   | 3800  | 14,7   |
| KC 8020  | KC8020      | ASA 80-2    | 210 | 137 | 143,3 | 65   | 121  | 20   | 80   | 4700  | 18,2   |
| KC 8022  | KC8022      | ASA 80-2    | 226 | 137 | 155,3 | 71   | 140  | 20   | 90   | 5500  | 23,3   |
| KC 10020 | KC10020     | ASA 100-2   | 281 | 153 | 178,8 | 80   | 160  | 25   | 110  | 8700  | 36,0   |
| KC 12018 | KC12018     | ASA 120-2   | 307 | 181 | 202,3 | 90   | 170  | 35   | 120  | 13250 | 49,0   |
| KC 12022 | KC12022     | ASA 120-2   | 357 | 181 | 222,3 | 100  | 210  | 35   | 150  | 17800 | 77,0   |

Suitable to connect two shafts in axis

With hardened sprockets

Provided with full cover, seals and O-ring for the protection from external contamination and also for an eventual lubrication of the coupling with grease.



# Collars and Washers

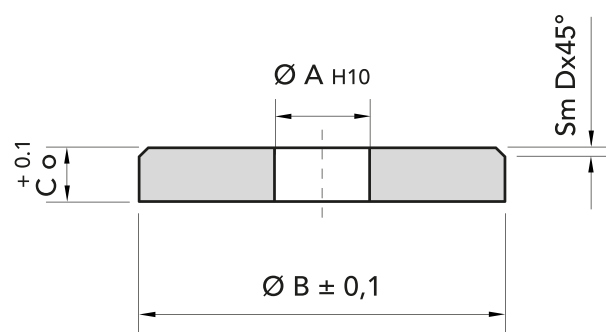
# 13

## Index

- 400 **HIGH THICKNESS TURNED WASHERS**
- 401 **CONICAL TURNED WASHERS**
- 401 **TURNED WASHERS** FOR ROD ENDS
- 402 COLLARS **IN COMPLIANCE WITH DIN 705 C-ABU**
- 402 COLLARS **C-AB**
- 403 CLAMPING COLLARS **WITH OPEN RING C-ADB**

**C-RGS**

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED



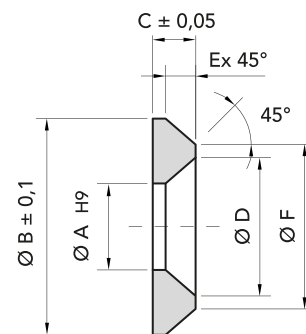
| TYPE        | PART NUMBER |            | $\varnothing A$ | $\varnothing B$ | C | D   | PACKAGES FROM | Kg   |
|-------------|-------------|------------|-----------------|-----------------|---|-----|---------------|------|
|             | PHOSPHATED  | GALVANISED |                 |                 |   |     |               |      |
| C-RGS 3-10  | 26100310P   | 26200310P  | 3,2             | 10              | 2 | 0,5 | 50            | 0,10 |
| C-RGS 4-10  | 26100410P   | 26200310P  | 4,2             | 10              | 2 | 0,5 | 50            | 0,10 |
| C-RGS 4-15  | 26100415P   | 26200415P  | 4,2             | 15              | 3 | 0,5 | 50            | 0,15 |
| C-RGS 5-15  | 26100515P   | 26200515P  | 5,2             | 15              | 3 | 0,5 | 50            | 0,15 |
| C-RGS 5-20  | 26100520P   | 26200520P  | 5,2             | 20              | 3 | 0,5 | 50            | 0,45 |
| C-RGS 5-25  | 26100525P   | 26200525P  | 5,2             | 25              | 4 | 1   | 50            | 0,70 |
| C-RGS 5-30  | 26100530P   | 26200530P  | 5,2             | 30              | 4 | 1   | 50            | 1,35 |
| C-RGS 6-15  | 26100615P   | 26200615P  | 6,2             | 15              | 3 | 0,5 | 50            | 0,12 |
| C-RGS 6-20  | 26100620P   | 26200620P  | 6,2             | 20              | 3 | 0,5 | 50            | 0,40 |
| C-RGS 6-25  | 26100625P   | 26200625P  | 6,2             | 25              | 4 | 1   | 50            | 0,80 |
| C-RGS 6-30  | 26100630P   | 26200630P  | 6,2             | 30              | 4 | 1   | 50            | 1,05 |
| C-RGS 6-35  | 26100635P   | 26200635P  | 6,2             | 35              | 5 | 1   | 50            | 1,85 |
| C-RGS 6-40  | 26100640P   | 26200640P  | 6,5             | 40              | 5 | 1   | 50            | 2,35 |
| C-RGS 8-20  | 26100820P   | 26200820P  | 8,5             | 20              | 4 | 0,5 | 25            | 0,35 |
| C-RGS 8-25  | 26100825P   | 26200825P  | 8,5             | 25              | 4 | 1   | 25            | 0,70 |
| C-RGS 8-30  | 26100830P   | 26200830P  | 8,5             | 30              | 4 | 1   | 25            | 1,00 |
| C-RGS 8-35  | 26100835P   | 26200835P  | 8,5             | 35              | 5 | 1   | 25            | 1,80 |
| C-RGS 8-40  | 26100840P   | 26200840P  | 8,5             | 40              | 5 | 1   | 25            | 2,30 |
| C-RGS 8-45  | 26100845P   | 26200845P  | 8,5             | 45              | 5 | 2   | 25            | 2,90 |
| C-RGS 8-50  | 26100850P   | 26200850P  | 8,5             | 50              | 6 | 2   | 25            | 4,15 |
| C-RGS 10-25 | 26101025P   | 26201025P  | 10,5            | 25              | 4 | 1   | 25            | 2,00 |
| C-RGS 10-35 | 26101035P   | 26201035P  | 10,5            | 35              | 5 | 1   | 25            | 1,60 |
| C-RGS 10-40 | 26101040P   | 26201040P  | 10,5            | 40              | 5 | 1   | 25            | 2,25 |
| C-RGS 10-45 | 26101045P   | 26201045P  | 10,5            | 45              | 5 | 2   | 25            | 2,65 |
| C-RGS 10-50 | 26101050P   | 26201050P  | 10,5            | 50              | 6 | 2   | 25            | 4,10 |
| C-RGS 12-50 | 26101250P   | 26201250P  | 12,5            | 50              | 6 | 2   | 25            | 4,60 |





## C-RC

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED

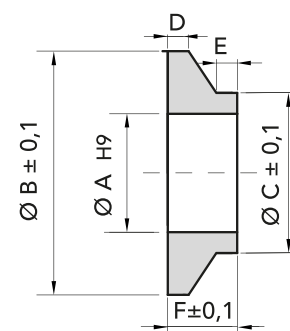


| TYPE    | PART NUMBER |            | Ø A  | Ø B | C   | Ø D  | E       | Ø F  | PACKAGES FROM | Kg   |
|---------|-------------|------------|------|-----|-----|------|---------|------|---------------|------|
|         | PHOSPHATED  | GALVANISED |      |     |     |      |         |      |               |      |
| C-RC 4  | 26300004P   | 26400004P  | 4,1  | 13  | 3   | 8    | 2,1x45° | 8,8  | 50            | 0,12 |
| C-RC 5  | 26300005P   | 26400005P  | 5,2  | 16  | 3,5 | 10   | 2,6x45° | 10,8 | 50            | 0,15 |
| C-RC 6  | 26300006P   | 26400006P  | 6,5  | 18  | 3,5 | 12   | 2,1x45° | 13,8 | 50            | 0,24 |
| C-RC 8  | 26300008P   | 26400008P  | 8,5  | 25  | 5   | 16,5 | 3,5x45° | 18   | 50            | 0,36 |
| C-RC 10 | 26300010P   | 26400010P  | 10,5 | 33  | 7   | 20,5 | 6x45°   | 21   | 50            | 0,75 |
| C-RC 12 | 26300012P   | 26400012P  | 12,5 | 40  | 8   | 24,5 | 7x45°   | 26   | 50            | 1,50 |

## TURNED WASHERS FOR ROD ENDS

## C-RS

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED

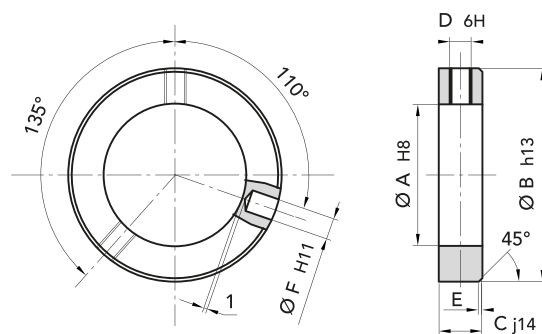


| TYPE    | PART NUMBER |            | Ø A  | Ø B | C  | Ø D | E | Ø F | PACKAGES FROM | Kg   |
|---------|-------------|------------|------|-----|----|-----|---|-----|---------------|------|
|         | PHOSPHATED  | GALVANISED |      |     |    |     |   |     |               |      |
| C-RS 6  | 26500006P   | 26600006P  | 6,5  | 15  | 9  | 1,5 | 1 | 4   | 50            | 0,15 |
| C-RS 8  | 26500008P   | 26600008P  | 8,5  | 22  | 12 | 1,5 | 2 | 6,5 | 50            | 0,27 |
| C-RS 10 | 26500010P   | 26600010P  | 10,5 | 22  | 14 | 1,5 | 3 | 6,5 | 50            | 0,40 |



## C-ABU

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED  
INOX AISI 304

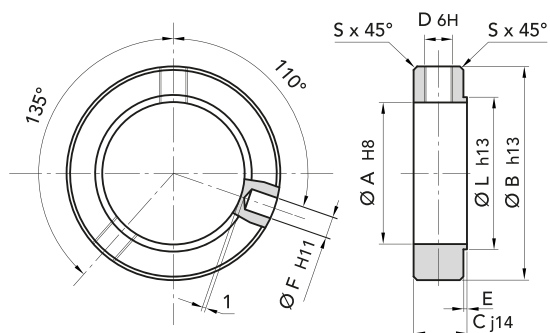


| TYPE     | PART NUMBER |            |           | Ø A | Ø B | C  | Ø D | E   | Ø F | PACKAGES FROM |           |                | Kg    |
|----------|-------------|------------|-----------|-----|-----|----|-----|-----|-----|---------------|-----------|----------------|-------|
|          | PHOSPHATED  | GALVANISED | INOX      |     |     |    |     |     |     | INOX          | INOX (KG) | PHOSP. - GALV. |       |
| C-ABU 6  | 27100006P   | 27200006P  | 27700006P | 6   | 12  | 8  | M4  | 0,8 | 1,5 | 10            |           | 25             | 0,12  |
| C-ABU 8  | 27100008P   | 27200008P  | 27700008P | 8   | 16  | 8  | M4  | 0,8 | 2   | 10            |           | 25             | 0,21  |
| C-ABU 10 | 27100010P   | 27200010P  | 27700010P | 10  | 20  | 10 | M5  | 1   | 3   | 10            |           | 25             | 0,40  |
| C-ABU 12 | 27100012P   | 27200012P  | 27700012P | 12  | 22  | 12 | M6  | 1,2 | 4   | 10            |           | 25             | 0,55  |
| C-ABU 14 | 27100014P   | 27200014P  |           | 14  | 25  | 12 | M6  | 1,2 | 4   | -             |           | 25             | 0,70  |
| C-ABU 15 | 27100015P   | 27200015P  | 27700015P | 15  | 25  | 12 | M6  | 1,2 | 4   | 5             |           | 20             | 0,52  |
| C-ABU 16 | 27100016P   | 27200016P  | 27700016P | 16  | 28  | 12 | M6  | 1,2 | 4   | 5             |           | 20             | 0,70  |
| C-ABU 17 | 27100017P   | 27200017P  | 27700017P | 17  | 28  | 12 | M6  | 1,2 | 4   | 5             |           | 20             | 3,00  |
| C-ABU 18 | 27100018P   | 27200018P  |           | 18  | 32  | 14 | M6  | 1,4 | 5   | -             |           | 20             | 5,40  |
| C-ABU 20 | 27100020P   | 27200020P  | 27700020P | 20  | 32  | 14 | M6  | 1,4 | 5   | 5             |           | 20             | 4,80  |
| C-ABU 25 | 27100025P   | 27200025P  | 27700025P | 25  | 40  | 16 | M8  | 1,6 | 6   | 5             |           | 20             | 4,25  |
| C-ABU 30 | 27100030P   | 27200030P  | 27700030P | 30  | 45  | 16 | M8  | 1,6 | 6   | 2             |           | 10             | 5,00  |
| C-ABU 35 | 27100035P   | 27200035P  | 27700035P | 35  | 56  | 16 | M8  | 1,6 | 8   | 2             |           | 10             | 8,60  |
| C-ABU 40 | 27100040P   | 27200040P  | 27700040P | 40  | 63  | 18 | M10 | 1,8 | 8   | 2             |           | 10             | 12,00 |
| C-ABU 45 | 27100045P   | 27200045P  |           | 45  | 70  | 18 | M10 | 1,8 | 8   | -             |           | 10             | 13,50 |
| C-ABU 50 | 27100050    | 27200050   | 27700050  | 50  | 80  | 18 | M10 | 1,8 | 10  | -             |           | -              | 22,00 |
| C-ABU 60 | 27100060    | 27200060   | -         | 60  | 90  | 20 | M10 | 2   | 10  | -             |           | -              | 26,40 |
| C-ABU 70 | 27100070    | 27200070   | -         | 70  | 100 | 20 | M10 | 2   | 10  | -             |           | -              | 28,75 |

## COLLARS C-AB

## C-AB

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED

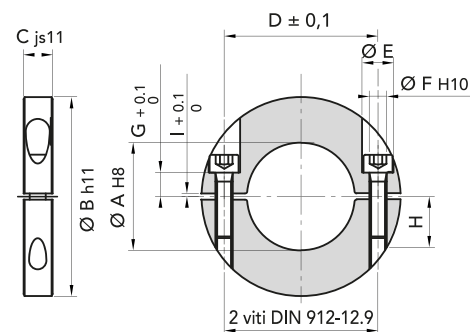


| TYPE    | PART NUMBER |            | Ø A | Ø B | C  | Ø D | E   | Ø F | Ø L | S   | PACKAGES FROM | Kg   |
|---------|-------------|------------|-----|-----|----|-----|-----|-----|-----|-----|---------------|------|
|         | PHOSPHATED  | GALVANISED |     |     |    |     |     |     |     |     |               |      |
| C-AB 6  | 27300006P   | 27400006P  | 6   | 12  | 8  | M4  | 0,6 | 1,5 | 8   | 0,3 | 30            | 0,06 |
| C-AB 8  | 27300008P   | 27400008P  | 8   | 16  | 8  | M4  | 0,8 | 2   | 10  | 0,3 | 30            | 0,24 |
| C-AB 10 | 27300010P   | 27400010P  | 10  | 20  | 10 | M5  | 0,8 | 3   | 13  | 0,3 | 30            | 0,36 |
| C-AB 12 | 27300012P   | 27400012P  | 12  | 22  | 12 | M5  | 0,8 | 4   | 15  | 0,5 | 30            | 0,42 |
| C-AB 15 | 27300015P   | 27400015P  | 15  | 25  | 12 | M6  | 1   | 4   | 18  | 0,6 | 25            | 0,63 |
| C-AB 17 | 27300017P   | 27400017P  | 17  | 28  | 12 | M6  | 1   | 4   | 20  | 0,6 | 25            | 0,72 |
| C-AB 20 | 27300020P   | 27400020P  | 20  | 32  | 14 | M6  | 1   | 5   | 24  | 0,8 | 25            | 1,44 |
| C-AB 25 | 27300025P   | 27400025P  | 25  | 40  | 16 | M6  | 1   | 6   | 29  | 0,8 | 25            | 2,61 |
| C-AB 30 | 27300030P   | 27400030P  | 30  | 45  | 16 | M8  | 1,2 | 6   | 34  | 1   | 15            | 2,10 |
| C-AB 35 | 27300035P   | 27400035P  | 35  | 56  | 16 | M8  | 1,2 | 8   | 39  | 1   | 15            | 4,92 |
| C-AB 40 | 27300040P   | 27400040P  | 40  | 63  | 18 | M10 | 1,2 | 8   | 44  | 1   | 15            | 7,50 |



## C-ADB

**MATERIAL**  
C 45 UNI 7845  
PHOSPHATED  
GALVANISED



| TYPE     | PART NUMBER |            | Ø A | Ø B | C  | Ø D | Ø E | Ø F | G   | H  | I   | Screws | PACKAGES FROM | Kg   |
|----------|-------------|------------|-----|-----|----|-----|-----|-----|-----|----|-----|--------|---------------|------|
|          | PHOSPHATED  | GALVANISED |     |     |    |     |     |     |     |    |     |        |               |      |
| C-ADB 8  | 27500008P   | 27600008P  | 8   | 25  | 10 | 15  | 8   | 4,5 | 5   | 15 | 1,4 | M4x15  | 20            | 0,40 |
| C-ADB 10 | 27500010P   | 27600010P  | 10  | 32  | 10 | 20  | 8   | 4,5 | 5   | 15 | 1,4 | M4x15  | 20            | 0,57 |
| C-ADB 12 | 27500012P   | 27600012P  | 12  | 32  | 10 | 20  | 8   | 4,5 | 5   | 15 | 2   | M4x15  | 20            | 0,60 |
| C-ADB 15 | 27500015P   | 27600015P  | 15  | 40  | 12 | 25  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 20            | 1,00 |
| C-ADB 18 | 27500018P   | 27600018P  | 18  | 45  | 12 | 30  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 15            | 1,25 |
| C-ADB 20 | 27500020P   | 27600020P  | 20  | 45  | 12 | 30  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 15            | 1,20 |
| C-ADB 24 | 27500024P   | 27600024P  | 24  | 50  | 12 | 36  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 15            | 1,42 |
| C-ADB 25 | 27500025P   | 27600025P  | 25  | 50  | 12 | 36  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 15            | 1,41 |
| C-ADB 28 | 27500028P   | 27600028P  | 28  | 56  | 12 | 42  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 10            | 1,74 |
| C-ADB 30 | 27500030P   | 27600030P  | 30  | 56  | 12 | 42  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 10            | 1,65 |
| C-ADB 32 | 27500032P   | 27600032P  | 32  | 56  | 12 | 42  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 10            | 1,60 |
| C-ADB 35 | 27500035P   | 27600035P  | 35  | 63  | 12 | 48  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 10            | 2,03 |
| C-ADB 38 | 27500038P   | 27600038P  | 38  | 63  | 12 | 48  | 10  | 5,5 | 7   | 18 | 2   | M5x20  | 10            | 2,00 |
| C-ADB 40 | 27500040P   | 27600040P  | 40  | 70  | 14 | 55  | 11  | 6,5 | 7   | 18 | 2   | M6x20  | 10            | 2,84 |
| C-ADB 45 | 27500045P   | 27600045P  | 45  | 80  | 14 | 65  | 11  | 6,5 | 7   | 18 | 2   | M6x20  | 5             | 1,90 |
| C-ADB 50 | 27500050P   | 27600050P  | 50  | 80  | 14 | 65  | 11  | 6,5 | 7   | 18 | 2   | M6x20  | 5             | 1,75 |
| C-ADB 60 | 27500060P   | 27600060P  | 60  | 100 | 16 | 80  | 14  | 8,5 | 7   | 18 | 2   | M8x20  | 5             | 3,15 |
| C-ADB 70 | 27500070P   | 27600070P  | 70  | 110 | 20 | 88  | 17  | 11  | 8,5 | 22 | 3   | M10x25 | 5             | 4,40 |
| C-ADB 80 | 27500080P   | 27600080P  | 80  | 125 | 20 | 100 | 17  | 11  | 8,5 | 22 | 3   | M10x25 | 5             | 5,65 |

# **Housing Bearing units**

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- 455 **ADAPTER SLEEVE FSB®** BEARING
- 456 **COVERS FSB®** BEARING
- 456 **SEALS THERMOPLASTIC FSB®** BEARING
- 458 **RCM®** BEARING-BLOCKS



## CH-HBU<sup>®</sup> BEARING UNITS

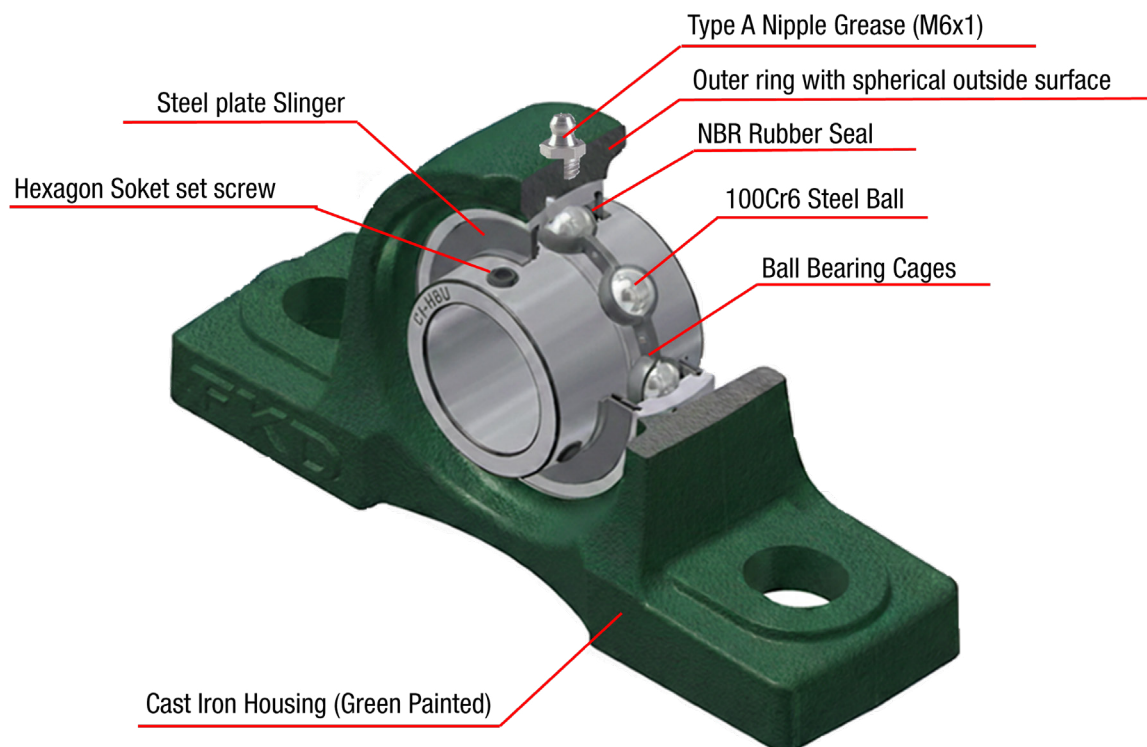
The new Housing Bearing Unit branded by Chiaravalli Group (**CH-HBU<sup>®</sup>**) has been developed to deliver reliable and cost-effective performance without compromising functionality. This product is the ideal solution for companies requiring solid and proven mounting solutions, with a focus on containing both maintenance and purchasing costs.

### CH-HBU TECHNICAL FEATURES

These housings combine robust materials with an essential design to ensure maximum efficiency in standard applications:

- **Standard Material:** The housing body is made from cast iron, which ensures the reliability, rigidity and excellent vibration dampening capacity required in industrial machinery.
- **Self-Aligning Bearing:** They use standard ball bearings with a spherical outer ring. This allows for self-alignment, simplifying installation and compensating for minor initial shaft misalignments.
- **Effective Seals:** They are equipped with standard lip seals to protect the lubricant (grease) from dust and contaminants, ensuring longer service life.

The new **CH-HBU<sup>®</sup>** housing bearing line is also available, upon request, with an external body made of **pressed steel plate** (or **stamped steel sheet**).



### ADVANTAGES

This line has been optimized with a good price-quality ratio, offering concrete benefits:

- **Cost Optimization:** The main advantage is the significant reduction in purchasing and inventory costs, making them perfect for high-volume needs and budget-conscious production lines.
- **Ease of Maintenance:** The standard design and the potential inclusion of grease fittings (on cast iron models) make maintenance fast and economical.
- **Proven Reliability:** Despite being economical, they are based on industry-standard designs, which are widely proven for use in general applications.

### RECOMMENDED APPLICATIONS

**CH-HBU<sup>®</sup>** are the perfect choice for moderate load and standard speed applications in the general manufacturing industry:

- Conveyor Systems and Mobile Belts
- Light Agricultural Machinery
- Industrial Fans and Blowers
- General Material Handling Equipment

By choosing our **CH-HBU<sup>®</sup>** line, you invest in a reliable and functional product capable of keeping operating costs contained.



## CH-HBU® BEARING UNITS LUBRICANT

CH-HBU® bearing units are lubricated with grease that maintains its characteristics over time in order to ensure a reduced friction between steel balls, ball raceways and ball cages.

A correct lubrication allows to reduce, within certain limits, noise during operation and ensures corrosion protection for the bearings.

The lubricant used is a lithium-based lubricating grease No. 2 as defined in the GB/T 7324 (ISO 6743-9) standard and is applied to the ball bearings (with spherical outer surface) during the manufacturing phase.

The physical and chemical properties of the grease used are reported in Table 1.

**Table 1:** Physical and chemical grease properties.

| Properties                              | Values                                                                  | Measurement unit |
|-----------------------------------------|-------------------------------------------------------------------------|------------------|
| Drop point                              | ≥ 175                                                                   | °C               |
| Penetration at 25°C<br>(Idle condition) | 265 – 295                                                               | (1/10 mm)        |
| Mechanical impurities                   | 10-25 µm → ≤ 5000<br>25-75 µm → ≤ 3000<br>75-125 µm → ≤ 500<br>>125 → 0 | (pc/cm³)         |

## CH-HBU® BEARING UNITS RELUBRICATION

CH-HBU® bearing units cast iron versions are supplied with a dedicated grease fitting, which allows for the periodic bearing relubrication.

In the below table are reported the recommended relubrication intervals based on the different working conditions.

**Table 2:** Recommended intervals for adding grease to bearings.

| Operating Conditions | Operating Temperatures<br>°C | Relubrication Intervals   |               |
|----------------------|------------------------------|---------------------------|---------------|
|                      |                              | Dn < 5000                 | Dn ≥ 5000     |
| Very Clean           | <50                          | No additional lubrication | 1.5 Years     |
|                      | 50 – 70                      | 1 Year                    | 6 - 12 Months |
|                      | 70 – 100                     | 4 - 8 Months              | 1 - 3 Months  |
|                      | > 100                        | 2 - 4 Weeks               | 1 - 2 Weeks   |
| Slightly Dirty       | <50                          | 1.5 Years                 | 6 - 12 Months |
|                      | 50 – 70                      | 4 - 8 Months              | 2 - 4 Months  |
|                      | 70 – 100                     | 3 - 6 Weeks               | 2 - 4 Weeks   |
|                      | > 100                        | 1 - 2 Weeks               | Every Week    |
| Dirty                | < 70                         | 1 - 2 Months              | 3 - 6 Weeks   |
|                      | 70 – 100                     | 2 - 4 Weeks               | 1 - 2 Weeks   |
|                      | > 100                        | 1 - 7 Days                | 1 - 3 Days    |
| Dirty and Dusty      |                              | 1 - 3 Days                | Every Day     |

Where:

**Dn:** Shaft diameter value (mm) multiplied by speed (rpm).

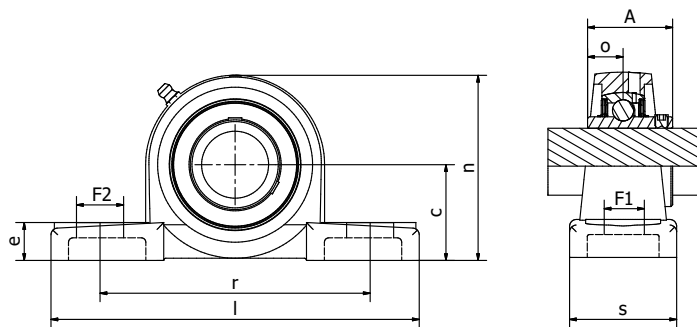
## CH-HBU<sup>®</sup> BEARING UNITS MATCHING TABLE

| BEARINGS<br>HOUSINGS                                                                    | UC  | UK  | SA  | SB  |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  P     | UCP                                                                                  | UKP                                                                                  | SAP                                                                                  | SBP                                                                                    |
|  F     | UCF                                                                                  | UKF                                                                                  | SAF                                                                                  | SBF                                                                                    |
|  FL    | UCFL                                                                                 | UKFL                                                                                 | SAFL                                                                                 | SBFL                                                                                   |
|  T     | UCT                                                                                  | UKT                                                                                  | SAT                                                                                  | SBT                                                                                    |
|  FC    | UCFC                                                                                 | UKFC                                                                                 | SAFC                                                                                 | SBFC                                                                                   |
|  PA    | UCPA                                                                                 | UKPA                                                                                 | SAPA                                                                                 | SBPA                                                                                   |
|  FA    | UCFA                                                                                 | UKFA                                                                                 | -                                                                                    | -                                                                                      |
|  FB   | UCFB                                                                                 | UKFB                                                                                 | -                                                                                    | -                                                                                      |
|  PP  | -                                                                                    | -                                                                                    | SAPP                                                                                 | SBPP                                                                                   |
|  PF  | -                                                                                    | -                                                                                    | SAPF                                                                                 | SBPF                                                                                   |
|  PFL | -                                                                                    | -                                                                                    | SAPFL                                                                                | SBPFL                                                                                  |



# PILLOW BLOCK UNITS UCP

SERIES 200

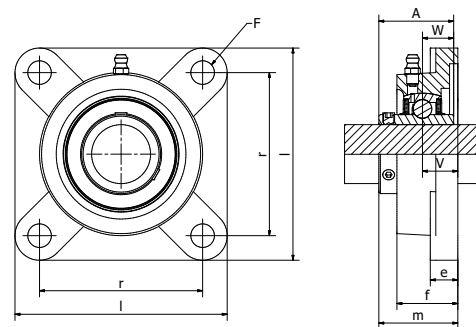


| UCP | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |    |    |    |     |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|---------------|-----|-----|----|----|----|----|-----|------|------|---------|-----------|---------|--------|
|     |             | Ø mm       | c             | l   | r   | s  | F1 | F2 | e  | n   | A    | o    | No.     |           | No.     | Kg     |
| 204 | 93UCP204    | 20         | 33,3          | 127 | 96  | 38 | 13 | 19 | 15 | 65  | 31   | 12,7 | UC 204  | M10       | P204    | 0,66   |
| 205 | 93UCP205    | 25         | 36,5          | 140 | 105 | 38 | 13 | 19 | 16 | 70  | 34,1 | 14,3 | UC 205  | M10       | P205    | 0,81   |
| 206 | 93UCP206    | 30         | 42,9          | 165 | 121 | 48 | 17 | 21 | 18 | 83  | 38,1 | 15,9 | UC 206  | M14       | P206    | 1,25   |
| 207 | 93UCP207    | 35         | 47,6          | 167 | 126 | 48 | 17 | 21 | 19 | 92  | 42,9 | 17,5 | UC 207  | M14       | P207    | 1,58   |
| 208 | 93UCP208    | 40         | 49,2          | 184 | 136 | 54 | 17 | 21 | 19 | 98  | 49,2 | 19   | UC 208  | M14       | P208    | 1,90   |
| 209 | 93UCP209    | 45         | 54            | 190 | 146 | 54 | 17 | 21 | 20 | 106 | 49,2 | 19   | UC 209  | M14       | P209    | 2,14   |
| 210 | 93UCP210    | 50         | 57,2          | 206 | 159 | 60 | 20 | 25 | 22 | 112 | 51,6 | 19   | UC 210  | M16       | P210    | 2,67   |
| 211 | 93UCP211    | 55         | 63,5          | 219 | 172 | 60 | 20 | 25 | 22 | 126 | 55,6 | 22,2 | UC 211  | M16       | P211    | 3,30   |
| 212 | 93UCP212    | 60         | 69,8          | 241 | 186 | 70 | 20 | 25 | 25 | 137 | 65,1 | 25,4 | UC 212  | M16       | P212    | 4,90   |
| 213 | 93UCP213    | 65         | 76,2          | 265 | 203 | 70 | 25 | 29 | 27 | 150 | 65,1 | 25,4 | UC 213  | M20       | P213    | 5,40   |
| 214 | 93UCP214    | 70         | 79,4          | 266 | 210 | 72 | 25 | 30 | 27 | 156 | 74,6 | 30,2 | UC 214  | M20       | P214    | 6,20   |
| 215 | 93UCP215    | 75         | 82,6          | 275 | 217 | 74 | 25 | 30 | 28 | 163 | 77,8 | 33,3 | UC 215  | M20       | P215    | 7,16   |
| 216 | 93UCP216    | 80         | 88,9          | 292 | 232 | 78 | 25 | 28 | 30 | 175 | 82,6 | 33,3 | UC 216  | M20       | P216    | 8,10   |
| 217 | 93UCP217    | 85         | 95,2          | 310 | 247 | 83 | 25 | 30 | 32 | 187 | 85,7 | 34,1 | UC 217  | M20       | P217    | 9,81   |
| 218 | 93UCP218    | 90         | 101,6         | 327 | 262 | 88 | 27 | 30 | 34 | 200 | 96   | 39,7 | UC 218  | M22       | P218    | 12,20  |



# SQUARE FLANGE UNITS UCF

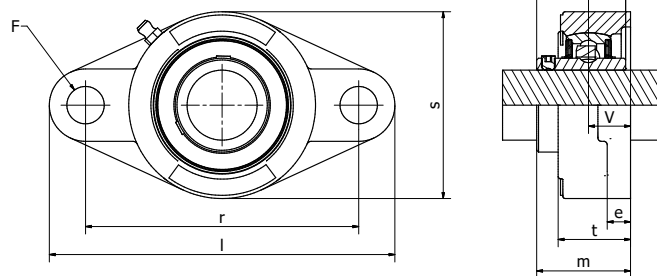
SERIES 200



| UCF | PART NUMBER | SHAFT HOLE |     |     |    | DIMENSIONS mm |      |    |      |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|-----|-----|----|---------------|------|----|------|------|------|---------|-----------|---------|--------|
|     |             | Ø mm       | l   | r   | v  | e             | f    | F  | m    | A    | w    | No.     |           | No.     | Kg     |
| 204 | 93UCF204    | 20         | 86  | 64  | 15 | 12            | 25,5 | 12 | 33,3 | 31   | 12,7 | UC 204  | M10       | F204    | 0,58   |
| 205 | 93UCF205    | 25         | 95  | 70  | 16 | 14            | 27   | 12 | 35,8 | 34,1 | 14,3 | UC 205  | M10       | F205    | 0,80   |
| 206 | 93UCF206    | 30         | 108 | 83  | 18 | 14            | 31   | 12 | 40,2 | 38,1 | 15,9 | UC 206  | M10       | F206    | 1,12   |
| 207 | 93UCF207    | 35         | 117 | 92  | 19 | 16            | 34   | 14 | 44,4 | 42,9 | 17,5 | UC 207  | M12       | F207    | 1,46   |
| 208 | 93UCF208    | 40         | 130 | 102 | 21 | 16            | 36   | 16 | 51,2 | 49,2 | 19   | UC 208  | M14       | F208    | 1,84   |
| 209 | 93UCF209    | 45         | 137 | 105 | 22 | 18            | 38   | 16 | 52,2 | 49,2 | 19   | UC 209  | M14       | F209    | 2,15   |
| 210 | 93UCF210    | 50         | 143 | 111 | 22 | 18            | 40   | 16 | 54,6 | 51,6 | 19   | UC 210  | M14       | F210    | 2,42   |
| 211 | 93UCF211    | 55         | 162 | 130 | 25 | 20            | 43   | 19 | 58,4 | 55,6 | 22,2 | UC 211  | M16       | F211    | 3,31   |
| 212 | 93UCF212    | 60         | 175 | 143 | 29 | 20            | 48   | 19 | 68,7 | 65,1 | 25,4 | UC 212  | M16       | F212    | 4,28   |
| 213 | 93UCF213    | 65         | 187 | 149 | 30 | 20            | 50   | 19 | 69,7 | 65,1 | 25,4 | UC 213  | M16       | F213    | 4,99   |
| 214 | 93UCF214    | 70         | 193 | 152 | 31 | 24            | 54   | 19 | 75,4 | 74,6 | 30,2 | UC 214  | M16       | F214    | 5,85   |
| 215 | 93UCF215    | 75         | 200 | 159 | 34 | 24            | 56   | 19 | 78,5 | 77,8 | 33,3 | UC 215  | M16       | F215    | 6,91   |
| 216 | 93UCF216    | 80         | 208 | 165 | 34 | 22            | 58   | 23 | 78,0 | 83,3 | 33,3 | UC 216  | M20       | F216    | 7,50   |
| 217 | 93UCF217    | 85         | 220 | 175 | 36 | 26            | 63   | 23 | 87,6 | 85,7 | 34,1 | UC 217  | M20       | F217    | 9,66   |
| 218 | 93UCF218    | 90         | 235 | 187 | 40 | 26            | 68   | 23 | 96,3 | 96,0 | 39,7 | UC 218  | M20       | F218    | 12,06  |

# RHOMBIC FLANGED UNITS UCFL

SERIES 200

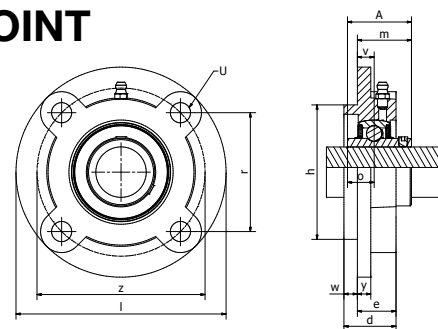


| UCFL | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |    |    |      |    |     |      |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |  |
|------|-------------|------------|-----|---------------|----|----|------|----|-----|------|------|------|---------|-----------|---------|--------|--|
|      |             | Ø mm       | l   | r             | v  | e  | t    | F  | s   | m    | A    | o    | No.     |           | No.     | Kg     |  |
| 204  | 93UCFL204   | 20         | 113 | 90            | 15 | 11 | 25,5 | 12 | 60  | 33,3 | 31   | 12,7 | UC 204  | M10       | FL204   | 0,41   |  |
| 205  | 93UCFL205   | 25         | 130 | 99            | 16 | 13 | 27   | 16 | 68  | 35,7 | 34,1 | 14,3 | UC 205  | M10       | FL205   | 0,61   |  |
| 206  | 93UCFL206   | 30         | 148 | 117           | 18 | 13 | 31   | 16 | 80  | 40,2 | 38,1 | 15,9 | UC 206  | M14       | FL206   | 0,87   |  |
| 207  | 93UCFL207   | 35         | 161 | 130           | 19 | 14 | 34   | 16 | 90  | 44,4 | 42,9 | 17,5 | UC 207  | M14       | FL207   | 1,20   |  |
| 208  | 93UCFL208   | 40         | 175 | 144           | 21 | 14 | 36   | 16 | 100 | 51,2 | 49,2 | 19   | UC 208  | M14       | FL208   | 1,45   |  |
| 209  | 93UCFL209   | 45         | 188 | 148           | 22 | 15 | 38   | 19 | 108 | 52,2 | 49,2 | 19   | UC 209  | M14       | FL209   | 1,81   |  |
| 210  | 93UCFL210   | 50         | 197 | 157           | 22 | 15 | 40   | 19 | 115 | 54,6 | 51,6 | 19   | UC 210  | M16       | FL210   | 2,14   |  |
| 211  | 93UCFL211   | 55         | 224 | 184           | 25 | 18 | 43   | 19 | 130 | 58,4 | 55,6 | 22,2 | UC 211  | M16       | FL211   | 2,90   |  |
| 212  | 93UCFL212   | 60         | 250 | 202           | 29 | 18 | 48   | 23 | 140 | 68,7 | 65,1 | 25,4 | UC 212  | M16       | FL212   | 3,96   |  |
| 213  | 93UCFL213   | 65         | 258 | 210           | 30 | 20 | 50   | 23 | 155 | 69,7 | 65,1 | 25,4 | UC 213  | M20       | FL213   | 4,37   |  |
| 214  | 93UCFL214   | 70         | 265 | 216           | 31 | 20 | 54   | 23 | 160 | 75,4 | 74,6 | 30,2 | UC 214  | M20       | FL214   | 4,95   |  |
| 215  | 93UCFL215   | 75         | 275 | 225           | 34 | 20 | 56   | 23 | 165 | 78,5 | 77,8 | 33,3 | UC 215  | M20       | FL215   | 5,18   |  |
| 216  | 93UCFL216   | 80         | 290 | 233           | 34 | 20 | 58   | 25 | 180 | 83,3 | 82,6 | 33,3 | UC 216  | M20       | FL216   | 6,36   |  |



# ROUND FLANGED UNITS UCFC WITH SPIGOT JOINT

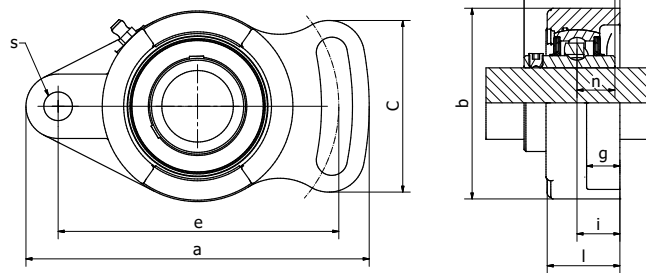
SERIES 200



| UCFC | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |       |    |      |    |    |    |      |     |      |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|-------|----|------|----|----|----|------|-----|------|------|------|---------|-----------|---------|--------|
|      |             | Ø mm       | l             | z   | r     | v  | d    | U  | y  | w  | e    | h   | m    | A    | o    | No.     |           | No.     | Kg     |
| 204  | 93UCFC204   | 20         | 100           | 78  | 55,1  | 10 | 25,5 | 12 | 6  | 7  | 20,5 | 62  | 28,3 | 31   | 12,7 | UC 204  | M10       | FC204   | 0,66   |
| 205  | 93UCFC205   | 25         | 115           | 90  | 63,6  | 10 | 27   | 12 | 6  | 7  | 21   | 70  | 29,7 | 34,1 | 14,3 | UC 205  | M10       | FC205   | 0,92   |
| 206  | 93UCFC206   | 30         | 125           | 100 | 70,7  | 10 | 31   | 12 | 8  | 8  | 23   | 80  | 32,2 | 38,1 | 15,9 | UC 206  | M10       | FC206   | 1,21   |
| 207  | 93UCFC207   | 35         | 135           | 110 | 77,8  | 11 | 34   | 14 | 8  | 9  | 26   | 90  | 36,4 | 42,9 | 17,5 | UC 207  | M12       | FC207   | 1,50   |
| 208  | 93UCFC208   | 40         | 145           | 120 | 84,8  | 11 | 36   | 14 | 10 | 9  | 26   | 100 | 41,2 | 49,2 | 19   | UC 208  | M12       | FC208   | 1,87   |
| 209  | 93UCFC209   | 45         | 160           | 132 | 93,3  | 10 | 38   | 16 | 12 | 14 | 26   | 105 | 40,2 | 49,2 | 19   | UC 209  | M14       | FC209   | 2,34   |
| 210  | 93UCFC210   | 50         | 165           | 138 | 97,6  | 10 | 40   | 16 | 12 | 14 | 28   | 110 | 42,6 | 51,6 | 19   | UC 210  | M14       | FC210   | 2,72   |
| 211  | 93UCFC211   | 55         | 185           | 150 | 106,1 | 13 | 43   | 19 | 12 | 15 | 31   | 125 | 46,4 | 55,6 | 22,2 | UC 211  | M16       | FC211   | 3,66   |
| 212  | 93UCFC212   | 60         | 195           | 160 | 113,1 | 17 | 48   | 19 | 12 | 15 | 36   | 135 | 56,7 | 65,1 | 25,4 | UC 212  | M16       | FC212   | 4,58   |
| 213  | 93UCFC213   | 65         | 205           | 170 | 120,0 | 16 | 50   | 19 | 14 | 15 | 36   | 145 | 55,7 | 65,1 | 25,4 | UC 213  | M16       | FC213   | 5,07   |
| 214  | 93UCFC214   | 70         | 215           | 177 | 125,1 | 17 | 54   | 19 | 14 | 18 | 40   | 150 | 61,4 | 74,6 | 30,2 | UC 214  | M16       | FC214   | 6,15   |

# ADJUSTABLE RHOMBIC FLANGED UNITS UCFA

SERIES 200

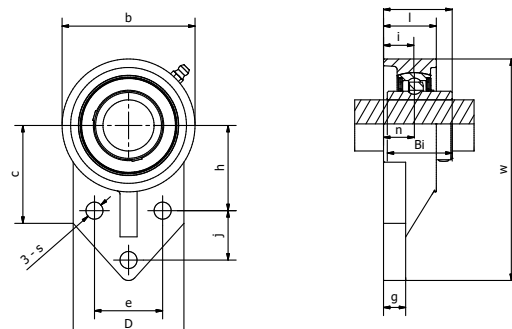


| UCFA | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |    |    |      |    |     |      |    |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|----|----|------|----|-----|------|----|------|------|---------|-----------|---------|--------|
|      |             | Ø mm       | a             | e   | i  | g  | l    | s  | b   | Z    | C  | Bi   | n    | No.     |           | No.     | Kg     |
| 204  | 93UCFA204   | 20         | 98            | 78  | 15 | 11 | 25,5 | 10 | 60  | 33,3 | 50 | 31   | 12,7 | UC 204  | M8        | FA204   | 0,47   |
| 205  | 93UCFA205   | 25         | 124           | 98  | 16 | 13 | 27   | 12 | 70  | 35,7 | 65 | 34,1 | 14,3 | UC 205  | M10       | FA205   | 0,68   |
| 206  | 93UCFA206   | 30         | 141           | 117 | 18 | 13 | 31   | 12 | 83  | 40,2 | 72 | 38,1 | 15,9 | UC 206  | M10       | FA206   | 1,00   |
| 207  | 93UCFA207   | 35         | 155           | 130 | 19 | 14 | 34   | 14 | 96  | 44,4 | 82 | 42,9 | 17,5 | UC 207  | M12       | FA207   | 1,40   |
| 208  | 93UCFA208   | 40         | 171           | 144 | 21 | 16 | 36   | 14 | 105 | 51,2 | 87 | 49,2 | 19   | UC 208  | M12       | FA208   | 1,70   |
| 209  | 93UCFA209   | 45         | 179           | 148 | 22 | 16 | 38   | 16 | 111 | 52,2 | 90 | 49,2 | 19   | UC 209  | M14       | FA209   | 2,10   |
| 210  | 93UCFA210   | 50         | 189           | 157 | 22 | 16 | 40   | 16 | 116 | 54,6 | 94 | 51,6 | 19   | UC 210  | M14       | FA210   | 2,40   |



# THREE BOLT FLANGED UNITS UCFB

SERIES 200

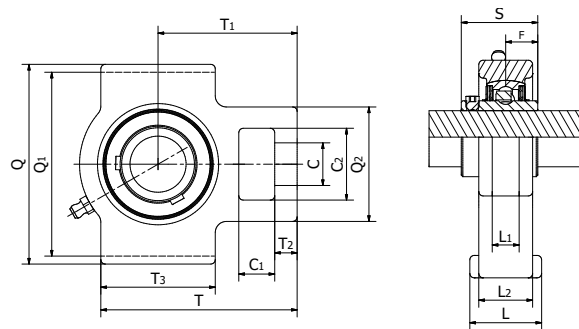


| UCFB | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |    |    |      |    |    |      |    |      |      |      |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|----|----|------|----|----|------|----|------|------|------|------|------|---------|-----------|---------|--------|
|      |             | Ø mm       | w             | b   | c  | D  | l    | s  | g  | h    | j  | e    | i    | z    | Bi   | n    | No.     |           | No.     | Kg     |
| 204  | 93UCFB204   | 20         | 110           | 62  | 52 | 52 | 25,5 | 10 | 13 | 42,0 | 27 | 32   | 15,0 | 31,8 | 31   | 12,7 | UC 204  | M8        | FB204   | 0,64   |
| 205  | 93UCFB205   | 25         | 116           | 68  | 52 | 56 | 27   | 10 | 13 | 45,0 | 27 | 34,0 | 16,0 | 34,7 | 34,0 | 14,3 | UC 205  | M8        | FB205   | 0,68   |
| 206  | 93UCFB206   | 30         | 132           | 80  | 55 | 65 | 31   | 10 | 13 | 50,0 | 32 | 40,0 | 18,0 | 39,2 | 38,1 | 15,9 | UC 206  | M8        | FB206   | 0,92   |
| 207  | 93UCFB207   | 35         | 144           | 90  | 62 | 70 | 34   | 10 | 15 | 55,0 | 32 | 46,0 | 19,0 | 44,4 | 42,9 | 17,5 | UC 207  | M8        | FB207   | 1,30   |
| 208  | 93UCFB208   | 40         | 164           | 100 | 72 | 78 | 36   | 12 | 16 | 60,0 | 41 | 50,0 | 21   | 51   | 49   | 19   | UC 208  | M10       | FB208   | 1,80   |
| 209  | 93UCFB209   | 45         | 175           | 106 | 76 | 80 | 38   | 12 | 18 | 65,0 | 43 | 54,0 | 22   | 52   | 49   | 19   | UC 209  | M10       | FB209   | 2,00   |
| 210  | 93UCFB210   | 50         | 184           | 114 | 82 | 86 | 40   | 12 | 18 | 68,0 | 46 | 58,0 | 22   | 55   | 52   | 19   | UC 210  | M10       | FB210   | 2,30   |



# TAKE UP UNITS UCT

SERIES 200

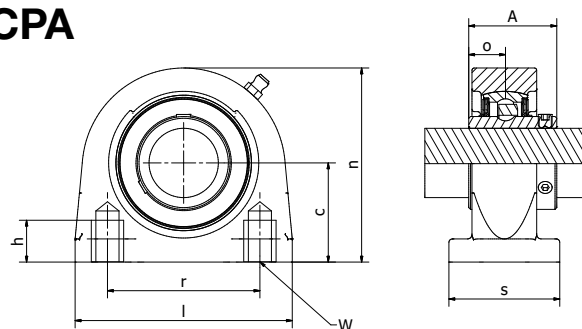


| UCT | PART NUMBER | SHAFT HOLE | DIMENSIONS mm  |                |                |                |    |                |                |                |     |     |                |    |                |      |      | BEARING | HOUSING | WEIGHT |
|-----|-------------|------------|----------------|----------------|----------------|----------------|----|----------------|----------------|----------------|-----|-----|----------------|----|----------------|------|------|---------|---------|--------|
|     |             | Ø mm       | C <sub>1</sub> | T <sub>2</sub> | Q <sub>2</sub> | C <sub>2</sub> | C  | T <sub>3</sub> | L <sub>1</sub> | Q <sub>1</sub> | Q   | T   | L <sub>2</sub> | L  | T <sub>1</sub> | S    | F    | No.     | No.     | Kg     |
| 204 | 93UCT204    | 20         | 16             | 10             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 94  | 21             | 32 | 61             | 31   | 12,7 | UC 204  | T204    | 0,70   |
| 205 | 93UCT205    | 25         | 16             | 10             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 97  | 24             | 32 | 62             | 34   | 14,3 | UC 205  | T205    | 0,73   |
| 206 | 93UCT206    | 30         | 16             | 10             | 56             | 37             | 22 | 57             | 12             | 89             | 102 | 113 | 28             | 37 | 70             | 38,1 | 15,9 | UC 206  | T206    | 1,17   |
| 207 | 93UCT207    | 35         | 16             | 13             | 64             | 37             | 22 | 64             | 12             | 89             | 102 | 129 | 30             | 37 | 78             | 42,9 | 17,5 | UC 207  | T207    | 1,45   |
| 208 | 93UCT208    | 40         | 19             | 16             | 83             | 49             | 29 | 83             | 16             | 102            | 114 | 144 | 33             | 49 | 88             | 49,2 | 19   | UC 208  | T208    | 2,11   |
| 209 | 93UCT209    | 45         | 19             | 16             | 83             | 49             | 29 | 83             | 16             | 102            | 117 | 144 | 35             | 49 | 87             | 49,2 | 19   | UC 209  | T209    | 2,18   |
| 210 | 93UCT210    | 50         | 19             | 16             | 83             | 49             | 29 | 86             | 16             | 102            | 117 | 149 | 37             | 49 | 90             | 51,6 | 19   | UC 210  | T210    | 2,35   |
| 211 | 93UCT211    | 55         | 25             | 19             | 102            | 64             | 35 | 95             | 22             | 130            | 146 | 171 | 38             | 64 | 106            | 55,6 | 22,2 | UC 211  | T211    | 3,56   |
| 212 | 93UCT212    | 60         | 32             | 19             | 102            | 64             | 35 | 102            | 22             | 130            | 146 | 194 | 42             | 64 | 119            | 65,1 | 25,4 | UC 212  | T212    | 4,23   |



# TAPPED-BASE PILLOW BLOCK UNITS UCPA

SERIES 200



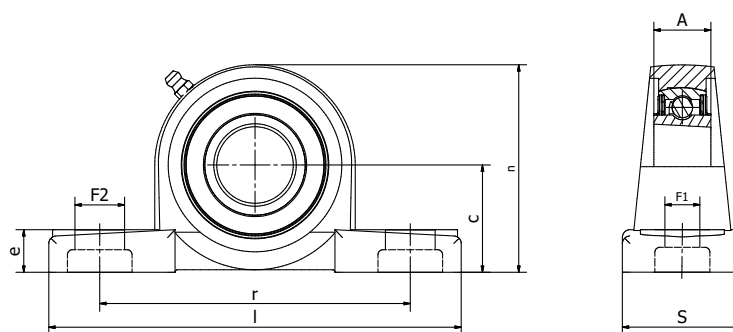
| UCPA | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |     |     |      |      | BEARING |        | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|-----|----|-----|-----|------|------|---------|--------|---------|--------|
|      |             | Ø mm       | c             | l   | r   | s  | w   | n   | A    | o    | h       | No.    | No.     | Kg     |
| 204  | 93UCPA204   | 20         | 30,2          | 76  | 52  | 40 | M10 | 62  | 31   | 12,7 | 13      | UC 204 | PA204   | 0,51   |
| 205  | 93UCPA205   | 25         | 36,5          | 84  | 56  | 45 | M10 | 72  | 34   | 14,3 | 15      | UC 205 | PA205   | 0,68   |
| 206  | 93UCPA206   | 30         | 42,9          | 94  | 66  | 50 | M14 | 84  | 38,1 | 15,9 | 18      | UC 206 | PA206   | 0,99   |
| 207  | 93UCPA207   | 35         | 47,6          | 110 | 80  | 55 | M14 | 95  | 42,9 | 17,5 | 20      | UC 207 | PA207   | 1,42   |
| 208  | 93UCPA208   | 40         | 49,2          | 116 | 84  | 58 | M14 | 100 | 49,2 | 19   | 20      | UC 208 | PA208   | 1,64   |
| 209  | 93UCPA209   | 45         | 54,2          | 120 | 90  | 60 | M14 | 108 | 49,2 | 19   | 25      | UC 209 | PA209   | 1,80   |
| 210  | 93UCPA210   | 50         | 57,5          | 130 | 94  | 64 | M16 | 116 | 51,6 | 19   | 25      | UC 210 | PA210   | 2,23   |
| 212  | 93UCPA212   | 60         | 69,9          | 150 | 114 | 68 | M16 | 138 | 65,1 | 25,4 | 25      | UC 212 | PA212   | 4,23   |
| 213  | 93UCPA213   | 65         | 76,2          | 160 | 124 | 72 | M16 | 150 | 65,1 | 25,4 | 25      | UC 213 | PA213   | 5,05   |





# PILLOW BLOCK UNITS UKP

SERIES 200

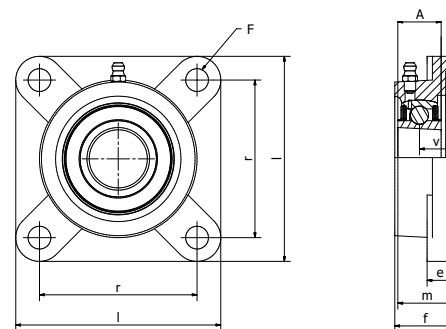


| UKP | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |                |                |    |     |    | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|---------------|-----|-----|----|----------------|----------------|----|-----|----|---------|-----------|---------|--------|
|     |             | Ø mm       | c             | l   | r   | s  | F <sub>1</sub> | F <sub>2</sub> | e  | n   | A  | No.     |           | No.     | Kg     |
| 206 | 93UKP206    | 30         | 42,9          | 165 | 121 | 48 | 17             | 21             | 18 | 83  | 28 | UK 206  | M14       | P206    | 1,20   |
| 207 | 93UKP207    | 35         | 47,6          | 167 | 126 | 48 | 17             | 21             | 19 | 92  | 30 | UK 207  | M14       | P207    | 1,49   |
| 208 | 93UKP208    | 40         | 49,2          | 184 | 136 | 54 | 17             | 21             | 19 | 98  | 32 | UK 208  | M14       | P208    | 1,75   |
| 209 | 93UKP209    | 45         | 54            | 190 | 146 | 54 | 17             | 21             | 20 | 106 | 33 | UK 209  | M14       | P209    | 2,00   |
| 210 | 93UKP210    | 50         | 57,2          | 206 | 159 | 60 | 20             | 25             | 22 | 112 | 35 | UK 210  | M16       | P210    | 2,49   |
| 211 | 93UKP211    | 55         | 63,5          | 219 | 172 | 60 | 20             | 25             | 22 | 126 | 37 | UK 211  | M16       | P211    | 3,08   |
| 212 | 93UKP212    | 60         | 69,8          | 241 | 186 | 70 | 20             | 25             | 25 | 137 | 40 | UK 212  | M16       | P212    | 4,61   |
| 213 | 93UKP213    | 65         | 76,2          | 265 | 203 | 70 | 25             | 29             | 27 | 150 | 42 | UK 213  | M20       | P213    | 5,00   |



# SQUARE FLANGED UNITS UKF

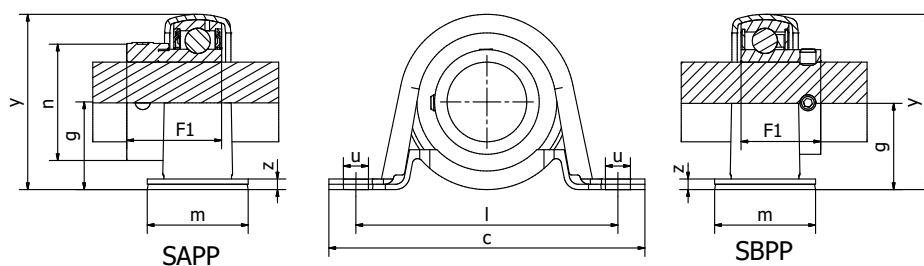
SERIES 200



| UKF | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |    |    |    |    |      |    | BEARING<br>No. | BOLT SIZE | HOUSING<br>No. | WEIGHT<br>kg |
|-----|-------------|------------|-----|---------------|----|----|----|----|------|----|----------------|-----------|----------------|--------------|
|     |             | Ø mm       | l   | r             | v  | e  | f  | F  | m    | A  |                |           |                |              |
| 206 | 93UKF206    | 30         | 108 | 83            | 18 | 14 | 31 | 12 | 37,5 | 28 | UK 206         | M10       | F206           | 1,07         |
| 207 | 93UKF207    | 35         | 117 | 92            | 19 | 16 | 34 | 14 | 41   | 30 | UK 207         | M12       | F207           | 1,37         |
| 208 | 93UKF208    | 40         | 130 | 102           | 21 | 16 | 36 | 16 | 44,5 | 32 | UK 208         | M14       | F208           | 1,69         |
| 209 | 93UKF209    | 45         | 137 | 105           | 22 | 18 | 38 | 16 | 47   | 33 | UK 209         | M14       | F209           | 2,01         |
| 210 | 93UKF210    | 50         | 143 | 111           | 22 | 18 | 40 | 16 | 48,5 | 35 | UK 210         | M14       | F210           | 2,24         |
| 211 | 93UKF211    | 55         | 162 | 130           | 25 | 20 | 43 | 19 | 52,5 | 37 | UK 211         | M16       | F211           | 3,09         |
| 212 | 93UKF212    | 60         | 175 | 143           | 29 | 20 | 48 | 19 | 58,5 | 40 | UK 212         | M16       | F212           | 3,99         |
| 213 | 93UKF213    | 65         | 187 | 149           | 30 | 20 | 50 | 19 | 62   | 42 | UK 213         | M16       | F213           | 4,59         |

# PRESSED STEEL PILLOW BLOCK UNITS PP

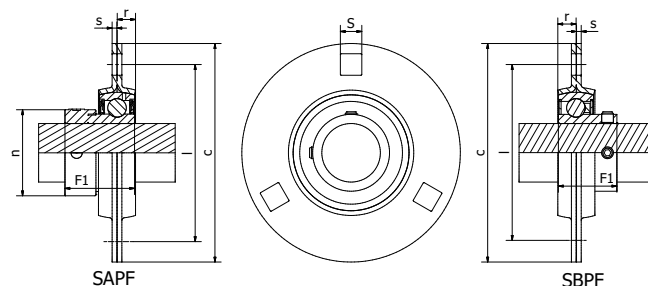
## SERIES 200



| PP  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |      |     |      |      | BOLT SIZE | SAPP |       |      | SBPP |       |      | HOUSING |
|-----|-------------|------------|---------------|-----|-----|----|------|-----|------|------|-----------|------|-------|------|------|-------|------|---------|
|     |             |            | Ø mm          | g   | c   | l  | m    | u   | z    | n    | y         | F1   | No.   | Kg   | F1   | No.   | Kg   |         |
| 201 | 93PP0203    | 12         | 22,2          | 86  | 68  | 25 | 9,5  | 3,2 | 28,6 | 43,8 | M8        | 28,6 | SA201 | 0,19 | 22   | SB201 | 0,16 | PP201   |
| 202 | 93PP0203    | 15         | 22,2          | 86  | 68  | 25 | 9,5  | 3,2 | 28,6 | 43,8 | M8        | 28,6 | SA202 | 0,18 | 22   | SB202 | 0,15 | PP202   |
| 203 | 93PP0203    | 17         | 22,2          | 86  | 68  | 25 | 9,5  | 3,2 | 28,6 | 43,8 | M8        | 28,6 | SA203 | 0,17 | 22   | SB203 | 0,14 | PP203   |
| 204 | 93PP0204    | 20         | 25,4          | 98  | 76  | 32 | 9,5  | 3,2 | 33,3 | 50,5 | M8        | 31,0 | SA204 | 0,25 | 25   | SB204 | 0,22 | PP204   |
| 205 | 93PP0205    | 25         | 28,6          | 108 | 86  | 32 | 11,5 | 4,0 | 38,1 | 56,6 | M10       | 31,0 | SA205 | 0,32 | 27   | SB205 | 0,28 | PP205   |
| 206 | 93PP0206    | 30         | 33,3          | 117 | 95  | 38 | 11,5 | 4,0 | 44,5 | 66,3 | M10       | 35,7 | SA206 | 0,47 | 30   | SB206 | 0,42 | PP206   |
| 207 | 93PP0207    | 35         | 39,7          | 129 | 106 | 42 | 11,5 | 4,6 | 55,6 | 78,0 | M10       | 38,9 | SA207 | 0,76 | 32   | SB207 | 0,63 | PP207   |

# PRESSED STEEL ROUND FLANGED UNITS PF

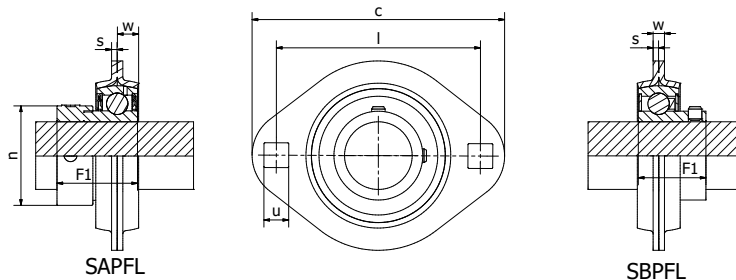
SERIES 200



| PF  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |       |      |     |      | BOLT SIZE | SAPF    |      |        |      | SBPF    |       |        |         |
|-----|-------------|------------|---------------|-------|------|-----|------|-----------|---------|------|--------|------|---------|-------|--------|---------|
|     |             |            |               |       |      |     |      |           | BEARING |      | WEIGHT | Kg   | BEARING |       | WEIGHT | HOUSING |
|     |             | Ø mm       | c             | l     | r    | s   | S    |           | F1      | n    | No.    |      | F1      | No.   | Kg     | No.     |
| 201 | 93PF0203    | 12         | 81            | 63,5  | 7,0  | 2,0 | 7,1  | M6        | 28,6    | 28,6 | SA201  | 0,31 | 22      | SB201 | 0,28   | PF201   |
| 202 | 93PF0203    | PF         | 81            | 63,5  | 7,0  | 2,0 | 7,1  | M6        | 28,6    | 28,6 | SA202  | 0,30 | 22      | SB202 | 0,27   | PF202   |
| 203 | 93PF0203    | 17         | 81            | 63,5  | 7,0  | 2,0 | 7,1  | M6        | 28,6    | 28,6 | SA203  | 0,29 | 22      | SB203 | 0,26   | PF203   |
| 204 | 93PF0204    | 20         | 90            | 71,5  | 8,0  | 2,0 | 9,0  | M8        | 31,0    | 33,3 | SA204  | 0,32 | 25      | SB204 | 0,29   | PF204   |
| 205 | 93PF0205    | 25         | 95            | 76,0  | 9,0  | 2,0 | 9,0  | M8        | 31,0    | 38,1 | SA205  | 0,37 | 27      | SB205 | 0,33   | PF205   |
| 206 | 93PF0206    | 30         | 113           | 90,5  | 9,0  | 2,6 | 11,0 | M10       | 35,7    | 44,5 | SA206  | 0,59 | 30      | SB206 | 0,54   | PF206   |
| 207 | 93PF0207    | 35         | 122           | 100,0 | 10,0 | 2,6 | 11,0 | M10       | 38,9    | 55,6 | SA207  | 0,81 | 32      | SB207 | 0,68   | PF207   |
| 208 | 93PF0208    | 40         | 148           | 119,0 | 10,5 | 3,4 | 13,5 | M12       | 43,7    | 60,3 | SA208  | 1,30 | 34      | SB208 | 1,14   | PF208   |

# PRESSED STEEL RHOMBIC FLANGED UNITS PFL

SERIES 200

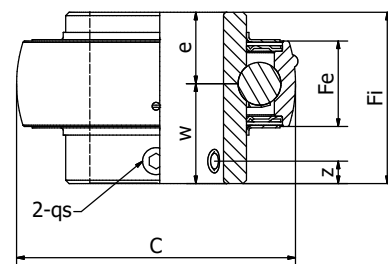


| PFL | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |      |      |     |     |      |     | BOLT SIZE | SAPFL   |       |        |    | SBPFL   |        |        | HOUSING |
|-----|-------------|------------|---------------|------|------|-----|-----|------|-----|-----------|---------|-------|--------|----|---------|--------|--------|---------|
|     |             |            |               |      |      |     |     |      |     |           | BEARING |       | WEIGHT |    | BEARING | WEIGHT |        |         |
|     |             | Ø mm       | c             | l    | w    | f   | s   | u    |     | F1        | n       | No.   | Kg     | F1 | No.     | Kg     | No.    |         |
| 201 | 93PFL203    | 12         | 81            | 63,5 | 7    | 59  | 2   | 7,1  | M6  | 28,6      | 28,6    | SA201 | 0,20   | 22 | SB201   | 0,18   | PFL201 |         |
| 202 | 93PFL203    | 15         | 81            | 63,5 | 7    | 59  | 2   | 7,1  | M6  | 28,6      | 28,6    | SA202 | 0,19   | 22 | SB202   | 0,17   | PFL202 |         |
| 203 | 93PFL203    | 17         | 81            | 63,5 | 7    | 59  | 2   | 7,1  | M6  | 28,6      | 28,6    | SA203 | 0,18   | 22 | SB203   | 0,16   | PFL203 |         |
| 204 | 93PFL204    | 20         | 90            | 71,5 | 8    | 67  | 2   | 9,0  | M8  | 31,0      | 33,3    | SA204 | 0,25   | 25 | SB204   | 0,22   | PFL204 |         |
| 205 | 93PFL205    | 25         | 95            | 76,0 | 9    | 71  | 2   | 9,0  | M8  | 31,0      | 38,1    | SA205 | 0,29   | 27 | SB205   | 0,25   | PFL205 |         |
| 206 | 93PFL206    | 30         | 113           | 90,5 | 9    | 84  | 2,6 | 11   | M10 | 35,7      | 44,5    | SA206 | 0,46   | 30 | SB206   | 0,40   | PFL206 |         |
| 207 | 93PFL207    | 35         | 122           | 100  | 10   | 94  | 2,6 | 11   | M10 | 38,9      | 55,6    | SA207 | 0,67   | 32 | SB207   | 0,53   | PFL207 |         |
| 208 | 93PFL208    | 40         | 148           | 119  | 10,5 | 100 | 3,4 | 13,5 | M12 | 43,7      | 60,3    | SA208 | 0,91   | 34 | SB208   | 0,75   | PFL208 |         |



# DEEP GROOVE BALL BEARINGS UC

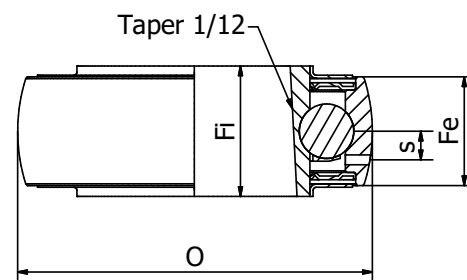
SERIES 200



| UC  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |      |    |      |      |      |         | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|---------------|------|----|------|------|------|---------|--------------|-------------|--------|
|     |             | Ø mm       | C             | Fi   | Fe | e    | w    | z    | qs      | kN           | kN          | Kg     |
| 204 | 93UC0204    | 20         | 47            | 31,0 | 16 | 12,7 | 18,3 | 5,0  | M6x1,0  | 12,80        | 6,65        | 0,16   |
| 205 | 93UC0205    | 25         | 52            | 34,1 | 17 | 14,3 | 19,8 | 5,5  | M6x1,0  | 14,00        | 7,88        | 0,22   |
| 206 | 93UC0206    | 30         | 62            | 38,1 | 19 | 15,9 | 22,2 | 6,0  | M6x1,0  | 14,50        | 11,20       | 0,32   |
| 207 | 93UC0207    | 35         | 72            | 42,9 | 20 | 17,5 | 25,4 | 6,5  | M8x1,0  | 25,70        | 15,20       | 0,50   |
| 208 | 93UC0208    | 40         | 80            | 49,2 | 21 | 19   | 30,2 | 8,0  | M8x1,0  | 29,60        | 18,20       | 0,64   |
| 209 | 93UC0209    | 45         | 85            | 49,2 | 22 | 19   | 30,2 | 8,0  | M8x1,0  | 31,85        | 20,80       | 0,74   |
| 210 | 93UC0210    | 50         | 90            | 51,6 | 23 | 19   | 32,6 | 10,0 | M10x1,0 | 35,10        | 23,20       | 0,85   |
| 211 | 93UC0211    | 55         | 100           | 55,6 | 25 | 22,2 | 33,4 | 10,0 | M10x1,0 | 43,55        | 29,20       | 1,10   |
| 212 | 93UC0212    | 60         | 110           | 65,1 | 27 | 25,4 | 39,7 | 10,0 | M10x1,0 | 47,80        | 32,80       | 1,51   |
| 213 | 93UC0213    | 65         | 120           | 65,1 | 28 | 25,4 | 39,7 | 10,0 | M10x1,0 | 57,20        | 40,00       | 1,75   |
| 214 | 93UC0214    | 70         | 125           | 74,6 | 29 | 30,2 | 44,4 | 12,0 | M12x1,5 | 60,80        | 45,00       | 1,95   |
| 215 | 93UC0215    | 75         | 130           | 77,8 | 30 | 33,3 | 44,5 | 12,0 | M12x1,5 | 66,00        | 49,50       | 2,14   |
| 216 | 93UC0216    | 80         | 140           | 82,6 | 33 | 33,3 | 49,3 | 12,0 | M12x1,5 | 71,50        | 54,20       | 2,61   |

# DEEP GROOVE BALL BEARINGS UK

SERIES 200

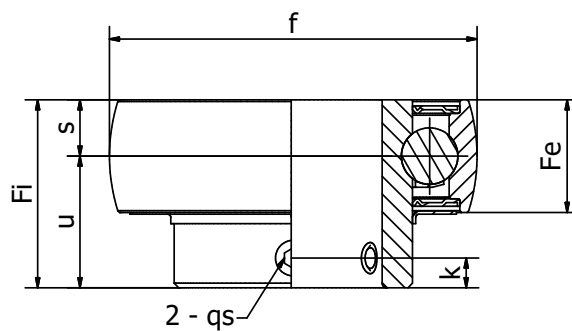


| UK  | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |    |            |     | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|-----|---------------|----|------------|-----|--------------|-------------|--------|
|     |             | Ø mm       | O   | Fi            | Fe | Fi (taper) | s   | kN           | kN          | Kg     |
| 205 | 93UK0205    | 25         | 52  | 25            | 17 | 24         | 4,2 | 14,00        | 7,85        | 0,16   |
| 206 | 93UK0206    | 30         | 62  | 28            | 19 | 27         | 5,2 | 19,45        | 11,25       | 0,25   |
| 207 | 93UK0207    | 35         | 72  | 30            | 20 | 30         | 5,6 | 25,70        | 15,20       | 0,36   |
| 208 | 93UK0208    | 40         | 80  | 32            | 21 | 34         | 6,2 | 29,60        | 18,10       | 0,44   |
| 209 | 93UK0209    | 45         | 85  | 33            | 22 | 36         | 6,3 | 31,85        | 20,80       | 0,51   |
| 210 | 93UK0210    | 50         | 90  | 35            | 23 | 36         | 6,5 | 35,10        | 23,20       | 0,56   |
| 211 | 93UK0211    | 55         | 100 | 37            | 25 | 40         | 7,0 | 43,55        | 29,20       | 0,74   |
| 212 | 93UK0212    | 60         | 110 | 40            | 27 | 47         | 7,0 | 47,80        | 32,80       | 1,00   |
| 213 | 93UK0213    | 65         | 120 | 42            | 30 | 47         | 8,5 | 57,20        | 40,00       | 1,27   |



## DEEP GROOVE BALL BEARINGS SB

SERIES 200



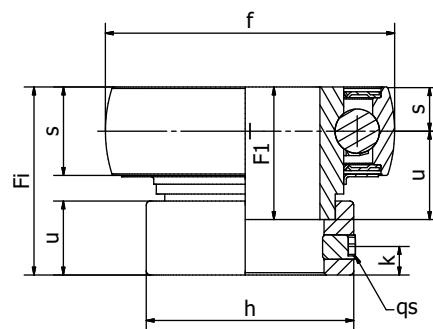
| SB  | PART NUMBER | SHAFT HOLE |    | DIMENSIONS mm |    |     |      |     |        | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|----|---------------|----|-----|------|-----|--------|--------------|-------------|--------|
|     |             | Ø mm       | Fe | f             | Fi | s   | u    | k   | qs     | kN           | kN          | Kg     |
| 201 | 93SB0201    | 12         | 12 | 40            | 22 | 6,0 | 16,0 | 4,5 | M5x0,8 | 9,60         | 4,60        | 0,10   |
| 202 | 93SB0202    | 15         | 12 | 40            | 22 | 6,0 | 16,0 | 4,5 | M5x0,8 | 9,60         | 4,60        | 0,09   |
| 203 | 93SB0203    | 17         | 12 | 40            | 22 | 6,0 | 16,0 | 4,5 | M5x0,8 | 9,60         | 4,60        | 0,08   |
| 204 | 93SB0204    | 20         | 14 | 47            | 25 | 7,0 | 18,0 | 4,5 | M6x1,0 | 12,80        | 6,65        | 0,12   |
| 205 | 93SB0205    | 25         | 15 | 52            | 27 | 7,5 | 19,5 | 5,5 | M6x1,0 | 14,00        | 7,88        | 0,16   |
| 206 | 93SB0206    | 30         | 16 | 62            | 30 | 8,0 | 22,0 | 6,0 | M6x1,0 | 19,50        | 11,20       | 0,25   |
| 207 | 93SB0207    | 35         | 17 | 72            | 32 | 8,5 | 23,5 | 6,5 | M8x1,0 | 25,70        | 15,20       | 0,36   |
| 208 | 93SB0208    | 40         | 18 | 80            | 34 | 9,0 | 25,0 | 7,0 | M8x1,0 | 29,60        | 18,20       | 0,45   |





# DEEP GROOVE BALL BEARINGS SA

SERIES 200

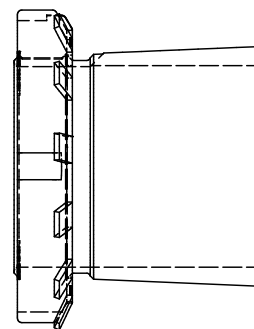


| SA  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |    |      |      |      |      |      |      |     |        | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|---------------|----|------|------|------|------|------|------|-----|--------|--------------|-------------|--------|
|     |             | Ø mm       | Fe            | f  | F1   | s    | u    | Fi   | h    | o    | k   | qs     | kN           | kN          | Kg     |
| 201 | 93SA0201    | 12         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | M6x1,0 | 9,60         | 4,60        | 0,13   |
| 202 | 93SA0202    | 15         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | M6x1,0 | 9,60         | 4,60        | 0,12   |
| 203 | 93SA0203    | 17         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | M6x1,0 | 9,60         | 4,60        | 0,10   |
| 204 | 93SA0204    | 20         | 14            | 47 | 21,5 | 7,5  | 14,5 | 31,0 | 33,3 | 13,5 | 5,0 | M6x1,0 | 12,80        | 6,65        | 0,16   |
| 205 | 93SA0205    | 25         | 15            | 52 | 21,5 | 7,5  | 14,0 | 31,0 | 38,1 | 13,5 | 5,0 | M6x1,0 | 14,00        | 7,88        | 0,19   |
| 206 | 93SA0206    | 30         | 16            | 62 | 23,8 | 9,0  | 14,8 | 35,7 | 44,5 | 15,9 | 6,0 | M8x1,0 | 19,50        | 11,20       | 0,30   |
| 207 | 93SA0207    | 35         | 17            | 72 | 25,4 | 9,5  | 15,9 | 38,9 | 55,6 | 17,5 | 6,5 | M8x1,0 | 25,70        | 15,20       | 0,45   |
| 208 | 93SA0208    | 40         | 18            | 80 | 30,2 | 11,0 | 19,2 | 43,7 | 60,3 | 18,3 | 6,5 | M8x1,0 | 29,60        | 18,20       | 0,60   |



## ADAPTER SLEEVE

SERIES H23...



| H    | PART NUMBER | SHAFT HOLE |
|------|-------------|------------|
|      |             | Ø mm       |
| 2305 | 930H2305    | 20         |
| 2306 | 930H2306    | 25         |
| 2307 | 930H2307    | 30         |
| 2308 | 930H2308    | 35         |
| 2309 | 930H2309    | 40         |
| 2310 | 930H2310    | 45         |
| 2311 | 930H2311    | 50         |
| 2312 | 930H2312    | 55         |
| 2313 | 930H2313    | 60         |

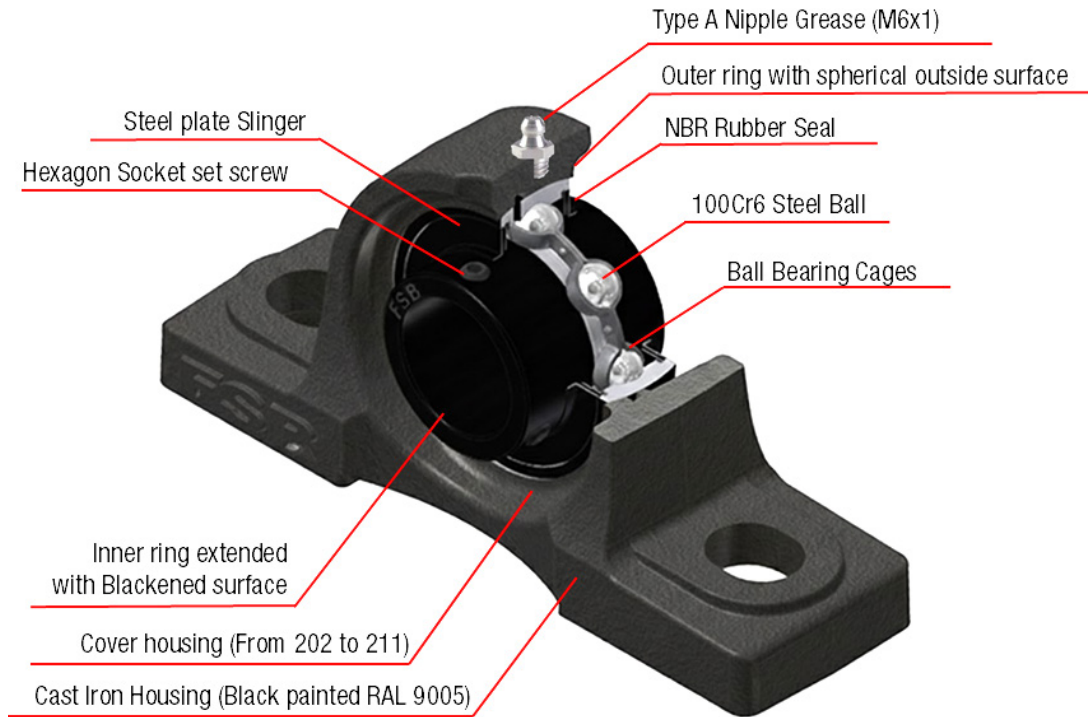




## FSB® BEARINGS TECHNICAL CONSTRUCTIVE FEATURES

FSB® bearing units are designed to be used in the Manufacturing Industry in applications such as:

- Industrial machinery
  - Metalworking equipment
  - Production lines
- and are manufactured with external parts in:
- Cast Iron
  - Moulded steel sheets
  - Thermoplastic



FSB® bearing units are manufactured according to “RCS” specification, in order to ensure the following characteristics:

- Easy installation
- Flexibility and adaptability
- Inner bearing ring with burnished surface treatment, which allows to:
  - Improve resistance to corrosion and surface damage
  - Reduce the risk of bearing locking
  - Improve the durability
- Configured for cover installation (from size 202 to size 211), which provides:
  - Better protection from contaminants (e.g. dirt, dust, moisture, etc.)
  - Longer bearing life, reducing its exposure to external agents
  - Better lubricant retention, reducing wear over time
- Can operate at temperatures between -10°C and 120°C (outer ring temperature 100°C)
- Bearings made of 100Cr6 steel to ensure:
  - High resistance to repetitive stress
  - High abrasion resistance



## FSB® BEARING UNITS LUBRICANT

FSB® bearing units are lubricated with greases that maintains its characteristics over time in order to ensure a reduced friction between steel balls, ball raceways and ball cages.

A correct lubrication allows to reduce, within certain limits, noise during operation and ensures corrosion protection for the bearings.

The lubricant used is a lithium-based lubricating grease No. 2 as defined in the GB/T 7324 (ISO 6743-9) standard and is applied to the ball bearings (with spherical outer surface) during the manufacturing phase.

The physical and chemical properties of the grease used are reported in Table 1.

**Table 1:** Physical and chemical grease properties.

| Properties                              | Values                                                                  | Measurement unit |
|-----------------------------------------|-------------------------------------------------------------------------|------------------|
| Drop point                              | ≥ 175                                                                   | °C               |
| Penetration at 25°C<br>(Idle condition) | 265 – 295                                                               | (1/10 mm)        |
| Mechanical impurities                   | 10-25 µm → ≤ 5000<br>25-75 µm → ≤ 3000<br>75-125 µm → ≤ 500<br>>125 → 0 | (pc/cm³)         |

## FSB® BEARING UNITS RELUBRICATION

FSB® bearing units cast iron versions are supplied with a dedicated grease fitting, which allows for the periodic bearing relubrication.

In the below table are reported the recommended relubrication intervals based on the different working conditions.

**Table 2:** Recommended intervals for adding grease to bearings.

| Operating Temperatures (°C) |     | Cleanliness /Intervals |          |                      |
|-----------------------------|-----|------------------------|----------|----------------------|
| >                           | ≤   | Very Clean             | Dusty    | Dusty, splashing mud |
| -                           | 50  | No                     | 1 Year   | 4 Months             |
| 50                          | 70  | 1 Year                 | 4 Months | 1 Month              |
| 70                          | 100 | 6 Months               | 2 Months | 2 Weeks              |

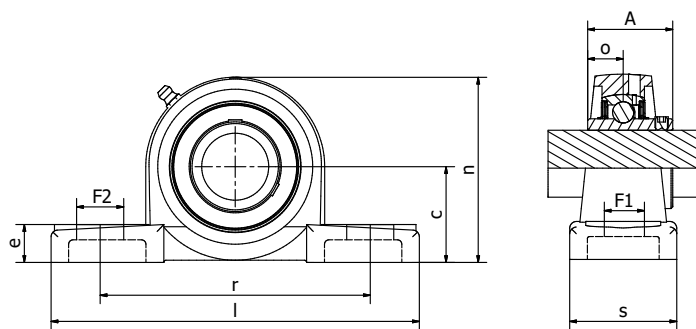


## FSB® BEARING UNITS MATCHING TABLE

| BEARINGS<br>HOUSINGS                                                                    | UC  | UK  | SA  | SB  |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  P     | UCP                                                                                  | UKP                                                                                  | SAP                                                                                  | SBP                                                                                    |
|  F     | UCF                                                                                  | UKF                                                                                  | SAF                                                                                  | SBF                                                                                    |
|  FL    | UCFL                                                                                 | UKFL                                                                                 | SAFL                                                                                 | SBFL                                                                                   |
|  T     | UCT                                                                                  | UKT                                                                                  | SAT                                                                                  | SBT                                                                                    |
|  FC    | UCFC                                                                                 | UKFC                                                                                 | SAFC                                                                                 | SBFC                                                                                   |
|  PA    | UCPA                                                                                 | UKPA                                                                                 | SAPA                                                                                 | SBPA                                                                                   |
|  FA    | UCFA                                                                                 | UKFA                                                                                 | -                                                                                    | -                                                                                      |
|  FB   | UCFB                                                                                 | UKFB                                                                                 | -                                                                                    | -                                                                                      |
|  PP  | -                                                                                    | -                                                                                    | SAPP                                                                                 | SBPP                                                                                   |
|  PF  | -                                                                                    | -                                                                                    | SAPF                                                                                 | SBPF                                                                                   |
|  PFL | -                                                                                    | -                                                                                    | SAPFL                                                                                | SBPFL                                                                                  |

# PILLOW BLOCK UNITS UCP

SERIES 200

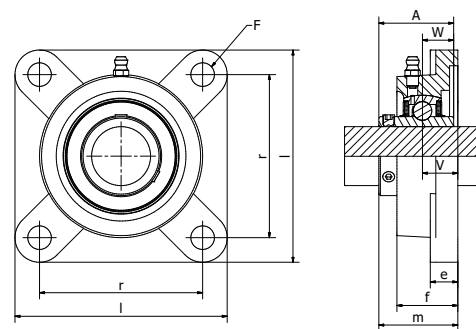


| UCP | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |    |    |    |     |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|---------------|-----|-----|----|----|----|----|-----|------|------|---------|-----------|---------|--------|
|     |             | Ø mm       | c             | l   | r   | s  | F1 | F2 | e  | n   | A    | o    | No.     |           | No.     | Kg     |
| 202 | 93100202    | 15         | 30,2          | 127 | 95  | 38 | 13 | 16 | 14 | 62  | 31   | 12,7 | UC 202  | M10       | P202    | 0,63   |
| 203 | 93100203    | 17         | 30,2          | 127 | 95  | 38 | 13 | 16 | 14 | 62  | 31   | 12,7 | UC 203  | M10       | P203    | 0,62   |
| 204 | 93100204    | 20         | 33,3          | 127 | 95  | 38 | 13 | 16 | 14 | 65  | 31   | 12,7 | UC 204  | M10       | P204    | 0,70   |
| 205 | 93100205    | 25         | 36,5          | 140 | 105 | 38 | 13 | 16 | 15 | 71  | 34   | 14,3 | UC 205  | M10       | P205    | 0,81   |
| 206 | 93100206    | 30         | 42,9          | 165 | 121 | 48 | 17 | 20 | 17 | 83  | 38,1 | 15,9 | UC 206  | M14       | P206    | 1,30   |
| 207 | 93100207    | 35         | 47,6          | 167 | 127 | 48 | 17 | 20 | 18 | 93  | 42,9 | 17,5 | UC 207  | M14       | P207    | 1,60   |
| 208 | 93100208    | 40         | 49,2          | 184 | 137 | 54 | 17 | 20 | 18 | 98  | 49,2 | 19   | UC 208  | M14       | P208    | 2,00   |
| 209 | 93100209    | 45         | 54            | 190 | 146 | 54 | 17 | 20 | 20 | 106 | 49,2 | 19   | UC 209  | M14       | P209    | 2,30   |
| 210 | 93100210    | 50         | 57,2          | 206 | 159 | 60 | 20 | 23 | 21 | 114 | 51,6 | 19   | UC 210  | M16       | P210    | 2,90   |
| 211 | 93100211    | 55         | 63,5          | 219 | 171 | 60 | 20 | 23 | 23 | 126 | 55,6 | 22,2 | UC 211  | M16       | P211    | 3,70   |
| 212 | 93100212    | 60         | 69,8          | 241 | 184 | 70 | 20 | 23 | 25 | 138 | 65,1 | 25,4 | UC 212  | M16       | P212    | 4,90   |
| 213 | 93100213    | 65         | 76,2          | 265 | 203 | 70 | 25 | 28 | 27 | 151 | 65,1 | 25,4 | UC 213  | M20       | P213    | 5,90   |
| 214 | 93100214    | 70         | 79,4          | 266 | 210 | 72 | 25 | 28 | 27 | 157 | 74,6 | 30,2 | UC 214  | M20       | P214    | 6,60   |
| 215 | 93100215    | 75         | 82,6          | 275 | 217 | 74 | 25 | 28 | 28 | 163 | 77,8 | 33,3 | UC 215  | M20       | P215    | 7,30   |
| 216 | 93100216    | 80         | 88,9          | 292 | 232 | 78 | 25 | 28 | 30 | 175 | 82,6 | 33,3 | UC 216  | M20       | P216    | 10,0   |
| 217 | 93100217    | 85         | 95,2          | 310 | 247 | 83 | 25 | 28 | 32 | 187 | 85,7 | 34,1 | UC 217  | M20       | P217    | 12,2   |
| 218 | 93100218    | 90         | 101,6         | 327 | 262 | 88 | 27 | 30 | 33 | 200 | 96   | 39,7 | UC 218  | M22       | P218    | 14,7   |



# SQUARE FLANGE UNITS UCF

SERIES 200

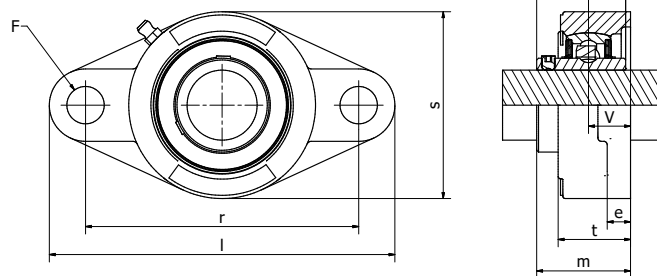


| UCF | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |    |    |      |    |      |      |      | BEARING No. | BOLT SIZE | HOUSING No. | WEIGHT Kg |
|-----|-------------|------------|-----|---------------|----|----|------|----|------|------|------|-------------|-----------|-------------|-----------|
|     |             | Ø mm       | l   | r             | v  | e  | f    | F  | m    | A    | w    |             |           |             |           |
| 202 | 93200202    | 15         | 86  | 64            | 15 | 11 | 25,5 | 12 | 33,3 | 31   | 12,7 | UC 202      | M10       | F202        | 0,62      |
| 203 | 93200203    | 17         | 86  | 64            | 15 | 11 | 25,5 | 12 | 33,3 | 31   | 12,7 | UC 203      | M10       | F203        | 0,61      |
| 204 | 93200204    | 20         | 86  | 64            | 15 | 11 | 25,5 | 12 | 33,3 | 31   | 12,7 | UC 204      | M10       | F204        | 0,61      |
| 205 | 93200205    | 25         | 95  | 70            | 16 | 13 | 27   | 12 | 35,7 | 34   | 14,3 | UC 205      | M10       | F205        | 0,80      |
| 206 | 93200206    | 30         | 108 | 83            | 18 | 13 | 31   | 12 | 40,2 | 38,1 | 15,9 | UC 206      | M10       | F206        | 1,00      |
| 207 | 93200207    | 35         | 117 | 92            | 19 | 15 | 34   | 14 | 44,4 | 42,9 | 17,5 | UC 207      | M12       | F207        | 1,40      |
| 208 | 93200208    | 40         | 130 | 102           | 21 | 15 | 36   | 16 | 51,2 | 49,2 | 19   | UC 208      | M14       | F208        | 1,80      |
| 209 | 93200209    | 45         | 137 | 105           | 22 | 16 | 38   | 16 | 52,2 | 49,2 | 19   | UC 209      | M14       | F209        | 2,20      |
| 210 | 93200210    | 50         | 143 | 111           | 22 | 16 | 40   | 16 | 54,6 | 51,6 | 19   | UC 210      | M14       | F210        | 2,40      |
| 211 | 93200211    | 55         | 162 | 130           | 25 | 18 | 43   | 19 | 58,4 | 55,6 | 22,2 | UC 211      | M16       | F211        | 3,50      |
| 212 | 93200212    | 60         | 175 | 143           | 29 | 18 | 48   | 19 | 68,7 | 65,1 | 25,4 | UC 212      | M16       | F212        | 4,20      |
| 213 | 93200213    | 65         | 187 | 149           | 30 | 22 | 50   | 19 | 69,7 | 65,1 | 25,4 | UC 213      | M16       | F213        | 5,30      |
| 214 | 93200214    | 70         | 193 | 152           | 31 | 22 | 54   | 19 | 75,4 | 74,6 | 30,2 | UC 214      | M16       | F214        | 5,90      |
| 215 | 93200215    | 75         | 200 | 159           | 34 | 22 | 56   | 19 | 78,5 | 77,8 | 33,3 | UC 215      | M16       | F215        | 6,30      |
| 216 | 93200216    | 80         | 208 | 165           | 34 | 22 | 58   | 23 | 83,3 | 82,6 | 33,3 | UC 216      | M20       | F216        | 7,80      |
| 217 | 93200217    | 85         | 220 | 175           | 36 | 24 | 63   | 23 | 87,6 | 85,7 | 34,1 | UC 217      | M20       | F217        | 9,30      |
| 218 | 93200218    | 90         | 235 | 187           | 40 | 24 | 68   | 23 | 96,3 | 96   | 39,7 | UC 218      | M20       | F218        | 11,3      |



# RHOMBIC FLANGED UNITS UCFL

SERIES 200

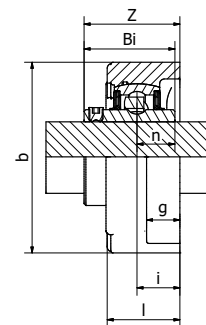
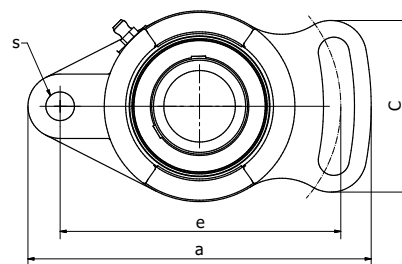


| UCFL | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |    |    |      |    |     |      |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|----|----|------|----|-----|------|------|------|---------|-----------|---------|--------|
|      |             | Ø mm       | l             | r   | v  | e  | t    | F  | s   | m    | A    | o    | No.     |           | No.     | Kg     |
| 202  | 93300202    | 15         | 113           | 90  | 15 | 11 | 25,5 | 12 | 60  | 33,3 | 31   | 12,7 | UC 202  | M10       | FL202   | 0,47   |
| 203  | 93300203    | 17         | 113           | 90  | 15 | 11 | 25,5 | 12 | 60  | 33,3 | 31   | 12,7 | UC 203  | M10       | FL203   | 0,45   |
| 204  | 93300204    | 20         | 113           | 90  | 15 | 11 | 25,5 | 12 | 60  | 33,3 | 31   | 12,7 | UC 204  | M10       | FL204   | 0,43   |
| 205  | 93300205    | 25         | 130           | 99  | 16 | 13 | 27   | 16 | 68  | 35,7 | 34   | 14,3 | UC 205  | M14       | FL205   | 0,61   |
| 206  | 93300206    | 30         | 148           | 117 | 18 | 13 | 31   | 16 | 80  | 40,2 | 38,1 | 15,9 | UC 206  | M14       | FL206   | 0,86   |
| 207  | 93300207    | 35         | 161           | 130 | 19 | 15 | 34   | 16 | 90  | 44,4 | 42,9 | 17,5 | UC 207  | M14       | FL207   | 1,20   |
| 208  | 93300208    | 40         | 175           | 144 | 21 | 15 | 36   | 16 | 100 | 51,2 | 49,2 | 19   | UC 208  | M14       | FL208   | 1,48   |
| 209  | 93300209    | 45         | 188           | 148 | 22 | 16 | 38   | 19 | 108 | 52,2 | 49,2 | 19   | UC 209  | M16       | FL209   | 1,84   |
| 210  | 93300210    | 50         | 197           | 157 | 22 | 16 | 40   | 19 | 115 | 54,6 | 51,6 | 19   | UC 210  | M16       | FL210   | 2,14   |
| 211  | 93300211    | 55         | 224           | 184 | 25 | 18 | 43   | 19 | 130 | 58,4 | 55,6 | 22,2 | UC 211  | M16       | FL211   | 2,98   |
| 212  | 93300212    | 60         | 250           | 202 | 29 | 18 | 48   | 23 | 140 | 68,7 | 65,1 | 25,4 | UC 212  | M20       | FL212   | 3,90   |
| 213  | 93300213    | 65         | 258           | 210 | 30 | 22 | 50   | 23 | 155 | 69,7 | 65,1 | 25,4 | UC 213  | M20       | FL213   | 4,77   |
| 214  | 93300214    | 70         | 265           | 216 | 31 | 22 | 54   | 23 | 160 | 75,4 | 74,6 | 30,2 | UC 214  | M20       | FL214   | 5,22   |
| 215  | 93300215    | 75         | 275           | 225 | 34 | 22 | 56   | 23 | 165 | 78,5 | 77,8 | 33,3 | UC 215  | M20       | FL215   | 5,66   |
| 216  | 93300216    | 80         | 290           | 233 | 34 | 22 | 58   | 25 | 180 | 83,3 | 82,6 | 33,3 | UC 216  | M22       | FL216   | 7,13   |



# ADJUSTABLE RHOMBIC FLANGED UNITS UCFA

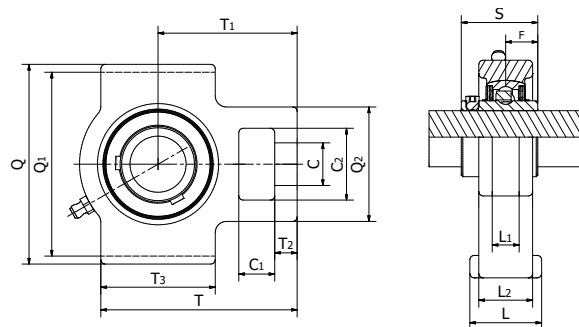
SERIES 200



| UCFA | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |    |    |      |    |     |      |    |      |      | BEARING | BOLT SIZE | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|----|----|------|----|-----|------|----|------|------|---------|-----------|---------|--------|
|      |             |            | Ø mm          | a   | e  | i  | g    | l  | s   | b    | Z  | C    | Bi   | n       |           |         |        |
| 202  | 93310202    | 15         | 98            | 78  | 15 | 11 | 25,5 | 10 | 60  | 33,3 | 50 | 31,1 | 12,7 | UC 202  | M8        | FA202   | 0,47   |
| 203  | 93310203    | 17         | 98            | 78  | 15 | 11 | 25,5 | 10 | 60  | 33,3 | 50 | 31,1 | 12,7 | UC 203  | M8        | FA203   | 0,47   |
| 204  | 93310204    | 20         | 98            | 78  | 15 | 11 | 25,5 | 10 | 60  | 33,3 | 50 | 31,1 | 12,7 | UC 204  | M8        | FA204   | 0,47   |
| 205  | 93310205    | 25         | 124           | 98  | 16 | 13 | 27   | 12 | 70  | 35,7 | 65 | 34   | 14,3 | UC 205  | M10       | FA205   | 0,68   |
| 206  | 93310206    | 30         | 141           | 117 | 18 | 13 | 31   | 12 | 83  | 40,2 | 72 | 38,1 | 15,9 | UC 206  | M10       | FA206   | 1,00   |
| 207  | 93310207    | 35         | 155           | 130 | 19 | 14 | 34   | 14 | 96  | 44,4 | 82 | 42,9 | 17,5 | UC 207  | M12       | FA207   | 1,50   |
| 208  | 93310208    | 40         | 171           | 144 | 21 | 14 | 38   | 14 | 105 | 51,2 | 87 | 49,2 | 19   | UC 208  | M12       | FA208   | 1,90   |

# TAKE UP UNITS UCT

SERIES 200

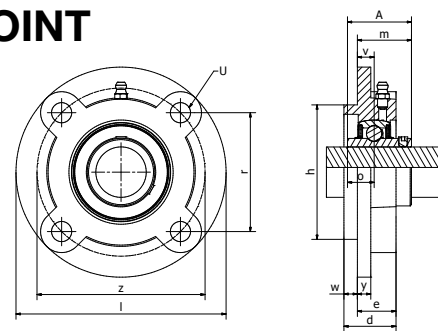


| UCT | PART NUMBER | SHAFT HOLE | DIMENSIONS mm  |                |                |                |    |                |                |                |     |     |                |    |                |      | WEIGHT |      |
|-----|-------------|------------|----------------|----------------|----------------|----------------|----|----------------|----------------|----------------|-----|-----|----------------|----|----------------|------|--------|------|
|     |             | Ø mm       | C <sub>1</sub> | T <sub>2</sub> | Q <sub>2</sub> | C <sub>2</sub> | C  | T <sub>3</sub> | L <sub>1</sub> | Q <sub>1</sub> | Q   | T   | L <sub>2</sub> | L  | T <sub>1</sub> | S    | F      | Kg   |
| 202 | 93400202    | 15         | 16             | 12             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 94  | 21             | 32 | 61             | 31   | 12,7   | 0,80 |
| 203 | 93400203    | 17         | 16             | 12             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 94  | 21             | 32 | 61             | 31   | 12,7   | 0,80 |
| 204 | 93400204    | 20         | 16             | 12             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 94  | 21             | 32 | 61             | 31   | 12,7   | 0,80 |
| 205 | 93400205    | 25         | 16             | 12             | 51             | 32             | 19 | 51             | 12             | 76             | 89  | 97  | 24             | 32 | 62             | 34   | 14,3   | 0,80 |
| 206 | 93400206    | 30         | 16             | 12             | 56             | 37             | 22 | 57             | 12             | 89             | 102 | 113 | 28             | 37 | 70             | 38,1 | 15,9   | 1,15 |
| 207 | 93400207    | 35         | 16             | 15             | 64             | 37             | 22 | 64             | 12             | 89             | 102 | 129 | 30             | 37 | 78             | 42,9 | 17,5   | 1,15 |
| 208 | 93400208    | 40         | 19             | 18             | 83             | 49             | 29 | 83             | 16             | 102            | 114 | 144 | 33             | 49 | 88             | 49,2 | 19     | 1,15 |
| 209 | 93400209    | 45         | 19             | 18             | 83             | 49             | 29 | 83             | 16             | 102            | 117 | 145 | 35             | 49 | 88             | 49,2 | 19     | 1,28 |
| 210 | 93400210    | 50         | 19             | 18             | 83             | 49             | 29 | 86             | 16             | 102            | 117 | 151 | 37             | 49 | 92             | 51,6 | 19     | 1,28 |
| 211 | 93400211    | 55         | 25             | 21             | 102            | 64             | 35 | 95             | 22             | 130            | 146 | 171 | 38             | 64 | 106            | 55,6 | 22,2   | 1,28 |
| 212 | 93400212    | 60         | 32             | 21             | 102            | 64             | 35 | 102            | 22             | 130            | 146 | 194 | 42             | 64 | 119            | 65,1 | 25,4   | 4,58 |
| 213 | 93400213    | 65         | 32             | 21             | 111            | 70             | 41 | 121            | 26             | 151            | 167 | 224 | 44             | 70 | 137            | 65,1 | 25,4   | 6,65 |
| 214 | 93400214    | 70         | 32             | 21             | 111            | 70             | 41 | 121            | 26             | 151            | 167 | 224 | 46             | 70 | 137            | 74,6 | 30,2   | 6,80 |



# ROUND FLANGED UNITS UCFC WITH SPIGOT JOINT

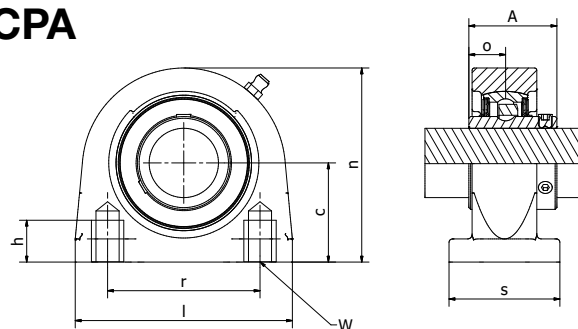
SERIES 200



| UCFC | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |       |    |      |    |    |    |      |     |      |      |      | BEARING No. | BOLT SIZE | HOUSING No. | WEIGHT Kg |
|------|-------------|------------|---------------|-----|-------|----|------|----|----|----|------|-----|------|------|------|-------------|-----------|-------------|-----------|
|      |             |            | Ø mm          | l   | z     | r  | v    | d  | U  | y  | w    | e   | h    | m    | A    | o           |           |             |           |
| 202  | 93500202    | 15         | 100           | 78  | 55,1  | 10 | 25,5 | 12 | 5  | 7  | 20,5 | 62  | 28,3 | 31   | 12,7 | UC 202      | M10       | FC202       | 0,76      |
| 203  | 93500203    | 17         | 100           | 78  | 55,1  | 10 | 25,5 | 12 | 5  | 7  | 20,5 | 62  | 28,3 | 31   | 12,7 | UC 203      | M10       | FC203       | 0,76      |
| 204  | 93500204    | 20         | 100           | 78  | 55,1  | 10 | 25,5 | 12 | 5  | 7  | 20,5 | 62  | 28,3 | 31   | 12,7 | UC 204      | M10       | FC204       | 0,76      |
| 205  | 93500205    | 25         | 115           | 90  | 63,6  | 10 | 27   | 12 | 6  | 7  | 21   | 70  | 29,7 | 34   | 14,3 | UC 205      | M10       | FC205       | 0,96      |
| 206  | 93500206    | 30         | 125           | 100 | 70,7  | 10 | 31   | 12 | 8  | 8  | 23   | 80  | 32,2 | 38,1 | 15,9 | UC 206      | M10       | FC206       | 1,30      |
| 207  | 93500207    | 35         | 135           | 110 | 77,8  | 11 | 34   | 14 | 8  | 9  | 26   | 90  | 36,4 | 42,9 | 17,5 | UC 207      | M12       | FC207       | 1,70      |
| 208  | 93500208    | 40         | 145           | 120 | 84,8  | 11 | 36   | 14 | 10 | 9  | 26   | 100 | 41,2 | 49,2 | 19   | UC 208      | M12       | FC208       | 2,00      |
| 209  | 93500209    | 45         | 160           | 132 | 93,3  | 10 | 38   | 16 | 12 | 14 | 26   | 105 | 40,2 | 49,2 | 19   | UC 209      | M14       | FC209       | 2,70      |
| 210  | 93500210    | 50         | 165           | 138 | 97,6  | 10 | 40   | 16 | 12 | 14 | 28   | 110 | 42,6 | 51,6 | 19   | UC 210      | M14       | FC210       | 2,90      |
| 211  | 93500211    | 55         | 185           | 150 | 106,1 | 13 | 43   | 19 | 12 | 15 | 31   | 125 | 46,4 | 55,6 | 22,2 | UC 211      | M16       | FC211       | 4,30      |
| 212  | 93500212    | 60         | 195           | 160 | 113,1 | 17 | 48   | 19 | 12 | 15 | 36   | 135 | 56,7 | 65,1 | 25,4 | UC 212      | M16       | FC212       | 5,00      |
| 213  | 93500213    | 65         | 205           | 170 | 120,2 | 16 | 50   | 19 | 14 | 15 | 36   | 145 | 55,7 | 65,1 | 25,4 | UC 213      | M16       | FC213       | 5,70      |
| 214  | 93500214    | 70         | 215           | 177 | 125,1 | 17 | 54   | 19 | 14 | 18 | 40   | 150 | 61,4 | 74,6 | 30,2 | UC 214      | M16       | FC214       | 6,80      |

# TAPPED-BASE PILLOW BLOCK UNITS UCPA

SERIES 200

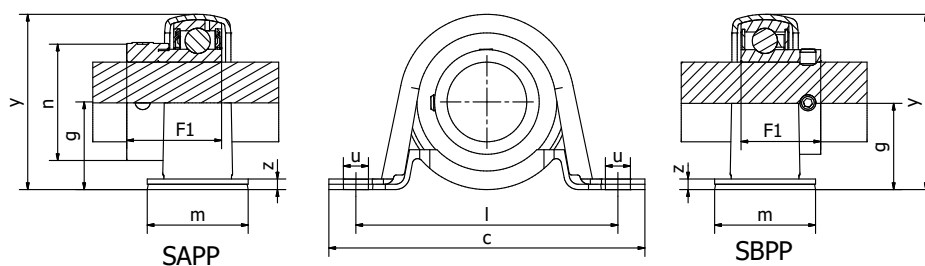


| UCPA | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |         |     |      |      |    | BEARING | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-----|-----|----|---------|-----|------|------|----|---------|---------|--------|
|      |             | Ø mm       | c             | l   | r   | s  | w       | n   | A    | o    | h  | No.     | No.     | Kg     |
| 202  | 93600202    | 15         | 30,2          | 76  | 52  | 40 | M10x1,5 | 62  | 31   | 12,7 | 13 | UC 202  | PA202   | 0,63   |
| 203  | 93600203    | 17         | 30,2          | 76  | 52  | 40 | M10x1,5 | 62  | 31   | 12,7 | 13 | UC 203  | PA203   | 0,62   |
| 204  | 93600204    | 20         | 30,2          | 76  | 52  | 40 | M10x1,5 | 62  | 31   | 12,7 | 13 | UC 204  | PA204   | 0,64   |
| 205  | 93600205    | 25         | 36,5          | 84  | 56  | 45 | M10x1,5 | 72  | 34   | 14,3 | 15 | UC 205  | PA205   | 0,81   |
| 206  | 93600206    | 30         | 42,9          | 94  | 66  | 50 | M14x2   | 84  | 38,1 | 15,9 | 18 | UC 206  | PA206   | 1,20   |
| 207  | 93600207    | 35         | 47,6          | 110 | 80  | 55 | M14x2   | 95  | 42,9 | 17,5 | 20 | UC 207  | PA207   | 1,65   |
| 208  | 93600208    | 40         | 49,2          | 116 | 84  | 58 | M14x2   | 100 | 49,2 | 19   | 20 | UC 208  | PA208   | 2,00   |
| 209  | 93600209    | 45         | 54,2          | 120 | 90  | 60 | M14x2   | 108 | 49,2 | 19   | 25 | UC 209  | PA209   | 2,30   |
| 210  | 93600210    | 50         | 57,2          | 130 | 94  | 64 | M16x2   | 116 | 51,6 | 19   | 25 | UC 210  | PA210   | 2,90   |
| 211  | 93600211    | 55         | 63,5          | 140 | 104 | 66 | M16x2   | 125 | 55,6 | 22,2 | 25 | UC 211  | PA211   | 3,16   |
| 212  | 93600212    | 60         | 69,9          | 150 | 114 | 68 | M16x2   | 138 | 65,1 | 25,4 | 25 | UC 212  | PA212   | 4,15   |
| 213  | 93600213    | 65         | 76,2          | 160 | 124 | 70 | M16x2   | 150 | 65,1 | 25,4 | 25 | UC 213  | PA213   | 5,09   |



## PRESSED STEEL PILLOW BLOCK UNITS PP

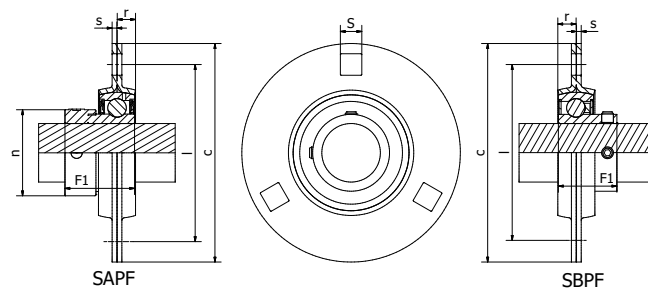
SERIES 200



| PP  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |    |      |   |      |     | BOLT SIZE | SAPP    |       |        |         | SBPP  |        |       | HOUSING |
|-----|-------------|------------|---------------|-----|-----|----|------|---|------|-----|-----------|---------|-------|--------|---------|-------|--------|-------|---------|
|     |             |            |               |     |     |    |      |   |      |     |           | BEARING |       | WEIGHT | BEARING |       | WEIGHT |       |         |
|     |             | Ø mm       | g             | c   | l   | m  | u    | z | y    | F1  | n         | No.     | Kg    | F1     | No.     | Kg    | No.    |       |         |
| 201 | 93700203    | 12         | 22,2          | 86  | 68  | 25 | 9,5  | 3 | 43,8 | M8  | 28,6      | 28,6    | SA201 | 0,19   | 22      | SB201 | 0,16   | PP201 |         |
| 202 | 93700203    | 15         | 22,2          | 86  | 68  | 25 | 9,5  | 3 | 43,8 | M8  | 28,6      | 28,6    | SA202 | 0,19   | 22      | SB202 | 0,16   | PP202 |         |
| 203 | 93700203    | 17         | 22,2          | 86  | 68  | 25 | 9,5  | 3 | 43,8 | M8  | 28,6      | 28,6    | SA203 | 0,19   | 22      | SB203 | 0,16   | PP203 |         |
| 204 | 93700204    | 20         | 25,4          | 98  | 76  | 32 | 9,5  | 3 | 50,5 | M8  | 31        | 33,3    | SA204 | 0,23   | 25      | SB204 | 0,23   | PP204 |         |
| 205 | 93700205    | 25         | 28,6          | 108 | 86  | 32 | 11,5 | 4 | 56,6 | M10 | 31        | 38,1    | SA205 | 0,32   | 27      | SB205 | 0,28   | PP205 |         |
| 206 | 93700206    | 30         | 33,3          | 117 | 95  | 38 | 11,5 | 4 | 66,3 | M10 | 35,7      | 44,5    | SA206 | 0,41   | 30      | SB206 | 0,38   | PP206 |         |
| 207 | 93700207    | 35         | 39,7          | 129 | 106 | 42 | 11,5 | 5 | 77,7 | M10 | 38,9      | 55,6    | SA207 | 0,50   | 32      | SB207 | 0,47   | PP207 |         |

# PRESSED STEEL ROUND FLANGED UNITS PF

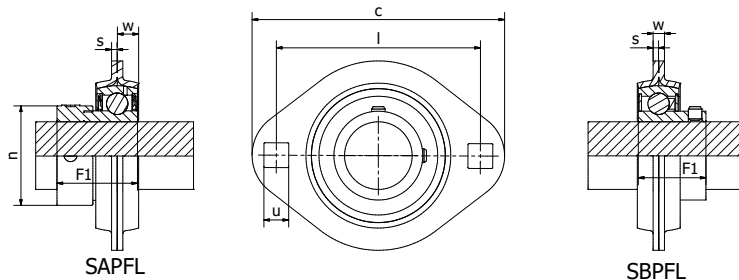
SERIES 200



| PF  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |       |      |     |      |     | BOLT SIZE | SAPF    |       |        |         | SBPF  |        |       | HOUSING |
|-----|-------------|------------|---------------|-------|------|-----|------|-----|-----------|---------|-------|--------|---------|-------|--------|-------|---------|
|     |             |            |               |       |      |     |      |     |           | BEARING |       | WEIGHT | BEARING |       | WEIGHT |       |         |
|     |             | Ø mm       | c             | l     | r    | s   | S    |     | F1        | n       | No.   | Kg     | F1      | No.   | Kg     | No.   |         |
| 201 | 93800203    | 12         | 81            | 63,5  | 7    | 2   | 7,1  | M6  | 28,6      | 28,6    | SA201 | 0,30   | 22      | SB201 | 0,27   | PF201 |         |
| 202 | 93800203    | 15         | 81            | 63,5  | 7    | 2   | 7,1  | M6  | 28,6      | 28,6    | SA202 | 0,30   | 22      | SB202 | 0,27   | PF202 |         |
| 203 | 93800203    | 17         | 81            | 63,5  | 7    | 2   | 7,1  | M6  | 28,6      | 28,6    | SA203 | 0,30   | 22      | SB203 | 0,27   | PF203 |         |
| 204 | 93800204    | 20         | 90            | 71,5  | 8    | 2   | 9    | M8  | 31        | 33,3    | SA204 | 0,33   | 25      | SB204 | 0,33   | PF204 |         |
| 205 | 93800205    | 25         | 95            | 76    | 9    | 2   | 9    | M8  | 31        | 38,1    | SA205 | 0,42   | 27      | SB205 | 0,38   | PF205 |         |
| 206 | 93800206    | 30         | 113           | 90,5  | 9,5  | 2,6 | 11   | M10 | 35,7      | 44,5    | SA206 | 0,65   | 30      | SB206 | 0,62   | PF206 |         |
| 207 | 93800207    | 35         | 122           | 100   | 10   | 2,6 | 11   | M10 | 38,9      | 55,6    | SA207 | 0,90   | 32      | SB207 | 0,82   | PF207 |         |
| 208 | 93800208    | 40         | 148           | 119   | 11,5 | 3,5 | 13,5 | M12 | 43,7      | 60,3    | SA208 | 1,40   | 34      | SB208 | 1,3    | PF208 |         |
| 209 | 93800209    | 45         | 150           | 120,5 | 11,5 | 3,5 | 13,5 | M12 | 43,7      | 63,5    | SA209 | 1,50   | 41,2    | SB209 | 1,5    | PF209 |         |

# PRESSED STEEL RHOMBIC FLANGED UNITS PFL

SERIES 200



| PFL | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |      |     |     |     |      |     | SAPFL |         |        |      | SBPFL   |        |      | HOUSING |
|-----|-------------|------------|---------------|------|-----|-----|-----|------|-----|-------|---------|--------|------|---------|--------|------|---------|
|     |             |            |               |      |     |     |     |      |     |       | BEARING | WEIGHT |      | BEARING | WEIGHT |      |         |
|     |             | Ø mm       | c             | l    | w   | f   | s   | u    | mm  | F1    | n       | No.    | Kg   | F1      | No.    | Kg   | No.     |
| 201 | 93900203    | 12         | 81            | 63,5 | 7   | 59  | 2   | 7,1  | M6  | 28,6  | 28,6    | SA201  | 0,22 | 22      | SB201  | 0,19 | PFL201  |
| 202 | 93900203    | 15         | 81            | 63,5 | 7   | 59  | 2   | 7,1  | M6  | 28,6  | 28,6    | SA202  | 0,22 | 22      | SB202  | 0,19 | PFL202  |
| 203 | 93900203    | 17         | 81            | 63,5 | 7   | 59  | 2   | 7,1  | M6  | 28,6  | 28,6    | SA203  | 0,22 | 22      | SB203  | 0,19 | PFL203  |
| 204 | 93900204    | 20         | 90            | 71,5 | 8   | 67  | 2   | 9    | M8  | 31    | 33,3    | SA204  | 0,24 | 25      | SB204  | 0,24 | PFL204  |
| 205 | 93900205    | 25         | 95            | 76   | 9   | 71  | 2   | 9    | M8  | 31    | 38,1    | SA205  | 0,32 | 27      | SB205  | 0,28 | PFL205  |
| 206 | 93900206    | 30         | 113           | 90,5 | 9,5 | 84  | 2,6 | 11   | M10 | 35,7  | 44,5    | SA206  | 0,41 | 30      | SB206  | 0,38 | PFL206  |
| 207 | 93900207    | 35         | 122           | 100  | 10  | 94  | 2,6 | 11   | M10 | 38,9  | 55,6    | SA207  | 0,50 | 32      | SB207  | 0,42 | PFL207  |
| 208 | 93900208    | 40         | 148           | 119  | 11  | 106 | 3,5 | 13,5 | M12 | 43,7  | 60,3    | SA208  | 0,67 | 34      | SB208  | 0,6  | PFL208  |







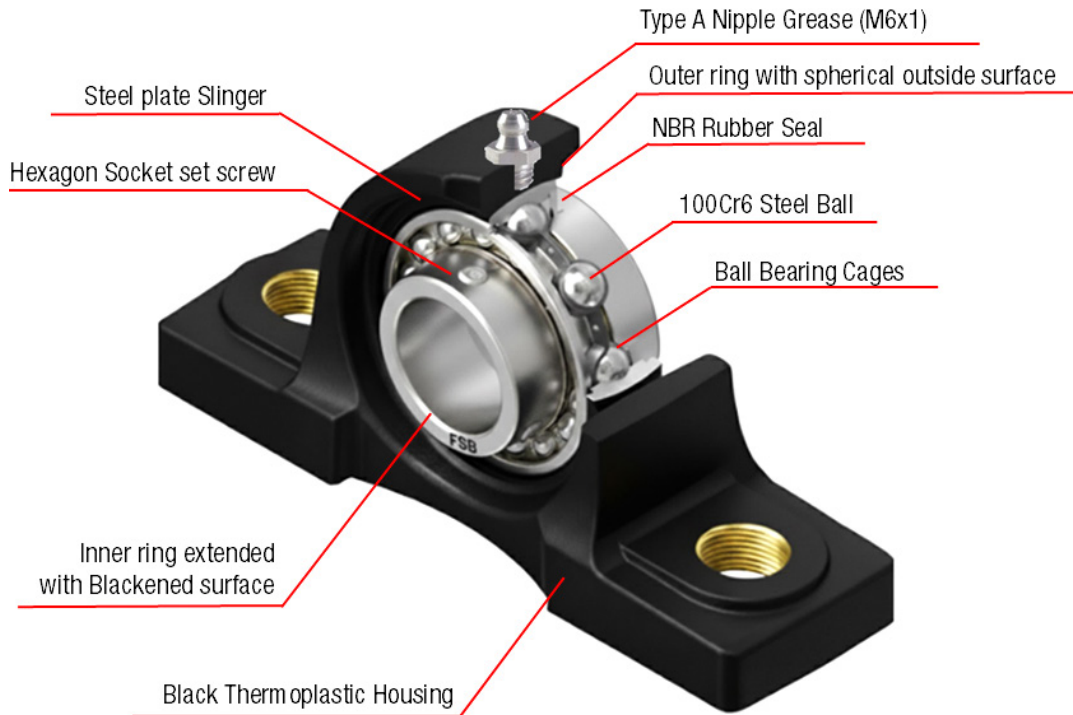
## THERMOPLASTIC FSB® BEARING UNITS

Thermoplastic **FSB®** bearing units are manufactured for specific applications such as food, chemical and pharmaceutical industries, and wherever corrosion issues exist.

They are also available with stainless steel (INOX) bearings which, in addition to being corrosion-resistant and non-magnetic, are able to withstand very severe operating conditions in different applications.

**FSB®** housings are designed to meet the following requirements:

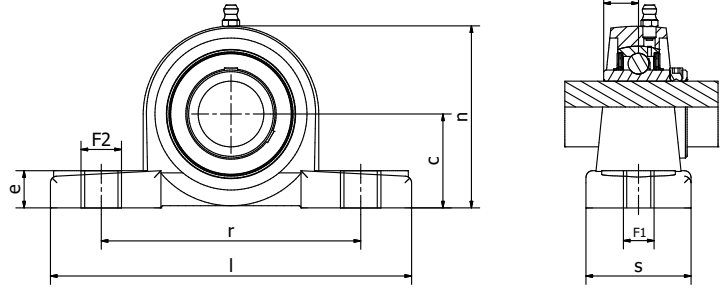
- Corrosion resistance
- Exposure to chemical agents
- Exposure to high humidity levels
- Operating at temperatures between -35°C and 120°C
- They are relubricable





## THERMOPLASTIC PILLOW BLOCK UNITS P

SERIES 200



| P   | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |       |     |    |    |    |      |      |      | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|---------------|-------|-----|----|----|----|------|------|------|-----------|---------|--------|
|     |             | Ø mm       | c             | l     | r   | s  | F1 | F2 | e    | n    | o    |           | No.     | Kg     |
| 203 | 93191203    | 17         | 33,3          | 127   | 95  | 38 | 11 | 14 | 14,2 | 65,5 | 12,7 | M10       | P203    | 0,13   |
| 204 | 93191204    | 20         | 33,3          | 127   | 95  | 38 | 11 | 14 | 14,2 | 65,5 | 12,7 | M10       | P204    | 0,13   |
| 205 | 93191205    | 25         | 36,5          | 140,5 | 105 | 38 | 11 | 14 | 14,5 | 71   | 14,3 | M10       | P205    | 0,14   |
| 206 | 93191206    | 30         | 42,9          | 163   | 119 | 46 | 14 | 18 | 17,8 | 84   | 15,9 | M12       | P206    | 0,25   |
| 207 | 93191207    | 35         | 47,6          | 168   | 127 | 48 | 14 | 18 | 18   | 94,5 | 17,5 | M12       | P207    | 0,27   |
| 208 | 93191208    | 40         | 49,2          | 184   | 137 | 54 | 14 | 18 | 19,5 | 99   | 19   | M12       | P208    | 0,32   |
| 209 | 93191209    | 45         | 54            | 192   | 146 | 54 | 17 | 20 | 23   | 1,6  | 19   | M16       | P209    | 0,37   |
| 210 | 93191210    | 50         | 57,2          | 206   | 159 | 60 | 17 | 20 | 23   | 114  | 19   | M16       | P210    | 0,55   |

## THERMOPLASTIC PILLOW BLOCK UNITS SUCP

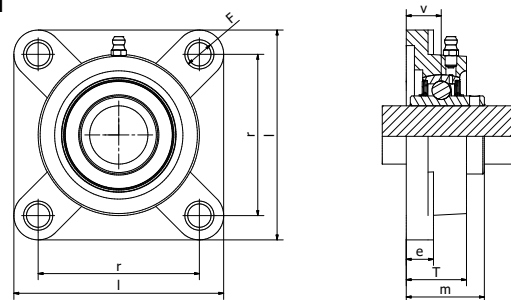
SERIES 200

| SUCP | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |       |     |    |    |    |      |      |      | BEARING | HOUSING | WEIGHT |
|------|-------------|------------|---------------|-------|-----|----|----|----|------|------|------|---------|---------|--------|
|      |             | Ø mm       | c             | l     | r   | s  | F1 | F2 | e    | n    | o    |         | No.     | Kg     |
| 205  | 93192205    | 25         | 36,5          | 140,5 | 105 | 38 | 11 | 14 | 14,5 | 71   | 14,3 | SUC 205 | P205    | 0,33   |
| 206  | 93192206    | 30         | 42,9          | 163   | 119 | 46 | 14 | 18 | 17,8 | 84   | 15,9 | SUC 206 | P206    | 0,56   |
| 207  | 93192207    | 35         | 47,6          | 168   | 127 | 48 | 14 | 18 | 18   | 94,5 | 17,5 | SUC 207 | P207    | 0,73   |
| 208  | 93192208    | 40         | 49,2          | 184   | 137 | 54 | 14 | 18 | 19,5 | 99   | 19   | SUC 208 | P208    | 0,93   |



## THERMOPLASTIC SQUARE FLANGE UNITS F

SERIES 200



| F   | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |      |      |    |      |      | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|-----|---------------|------|------|----|------|------|-----------|---------|--------|
|     |             | Ø mm       | l   | r             | e    | T    | F  | m    | v    |           | No.     | Kg     |
| 203 | 93291203    | 17         | 88  | 63,5          | 14,4 | 27,8 | 11 | 36,3 | 18   | M10       | F203    | 0,13   |
| 204 | 93291204    | 20         | 88  | 63,5          | 14,4 | 27,8 | 11 | 36,3 | 18   | M10       | F204    | 0,13   |
| 205 | 93291205    | 25         | 95  | 70            | 14   | 28   | 11 | 36,7 | 17   | M10       | F205    | 0,14   |
| 206 | 93291206    | 30         | 107 | 83            | 14,3 | 31,5 | 11 | 41,4 | 19,2 | M10       | F206    | 0,21   |
| 207 | 93291207    | 35         | 118 | 92            | 15,5 | 34,8 | 13 | 45,9 | 21,5 | M12       | F207    | 0,26   |
| 208 | 93291208    | 40         | 130 | 102           | 17   | 37,5 | 14 | 53,2 | 23   | M16       | F208    | 0,34   |
| 209 | 93291209    | 45         | 137 | 105           | 19   | 41   | 17 | 54,2 | 24   | M16       | F209    | 0,41   |
| 210 | 93291210    | 50         | 143 | 111           | 21   | 43   | 17 | 27,6 | 25   | M16       | F210    | 0,44   |

## THERMOPLASTIC SQUARE FLANGE UNITS SUCF

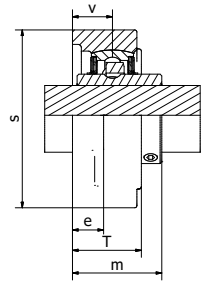
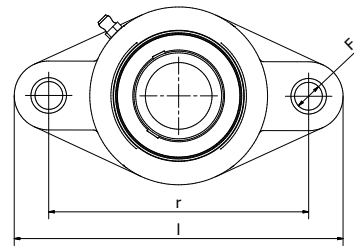
SERIES 200

| SUCF | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |      |      |    |      |      | BEARING | HOUSING | WEIGHT |
|------|-------------|------------|-----|---------------|------|------|----|------|------|---------|---------|--------|
|      |             | Ø mm       | l   | r             | e    | T    | F  | m    | v    |         | No.     | Kg     |
| 204  | 93292204    | 20         | 88  | 63,5          | 14,4 | 27,8 | 11 | 36,3 | 18   | SUC 204 | F204    | 0,28   |
| 205  | 93292205    | 25         | 95  | 70            | 14   | 28   | 11 | 36,7 | 17   | SUC 205 | F205    | 0,33   |
| 206  | 93292206    | 30         | 107 | 83            | 14,3 | 31,5 | 11 | 41,4 | 19,2 | SUC 206 | F206    | 0,52   |
| 208  | 93292208    | 40         | 130 | 102           | 17   | 37,5 | 14 | 53,2 | 23   | SUC 208 | F208    | 0,95   |



## THERMOPLASTIC RHOMBIC FLANGED UNITS FL

SERIES 200



| FL  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |      |      |      |    |      |      | BOLT SIZE | HOUSING | WEIGHT |
|-----|-------------|------------|---------------|-----|------|------|------|----|------|------|-----------|---------|--------|
|     |             | Ø mm       | l             | r   | s    | e    | T    | F  | m    | v    |           | No.     | Kg     |
| 203 | 93391203    | 17         | 113           | 90  | 65   | 11,4 | 26,5 | 11 | 33,7 | 15,4 | M10       | FL203   | 0,09   |
| 204 | 93391204    | 20         | 113           | 90  | 65   | 11,4 | 26,5 | 11 | 33,7 | 15,4 | M10       | FL204   | 0,09   |
| 205 | 93391203    | 25         | 131           | 99  | 69,5 | 13,5 | 29,1 | 11 | 36,7 | 17   | M10       | FL205   | 0,11   |
| 206 | 93391206    | 30         | 148           | 117 | 80   | 13,3 | 30,5 | 11 | 41,2 | 19   | M10       | FL206   | 0,13   |
| 207 | 93391207    | 35         | 164           | 130 | 90   | 16,1 | 32,8 | 13 | 43,4 | 18   | M10       | FL207   | 0,17   |
| 208 | 93391208    | 40         | 176           | 144 | 100  | 20   | 37,5 | 14 | 51,7 | 21,5 | M10       | FL208   | 0,24   |

## THERMOPLASTIC RHOMBIC FLANGED UNITS SUCFL

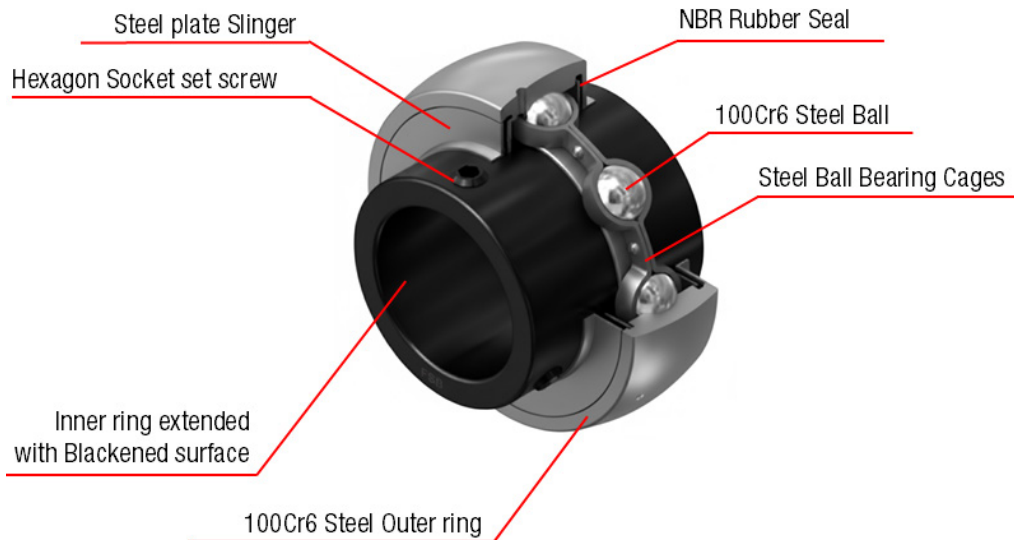
SERIES 200

| SUCFL | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |     |     |      |      |    |      |      | BEARING | HOUSING | WEIGHT |
|-------|-------------|------------|---------------|-----|-----|------|------|----|------|------|---------|---------|--------|
|       |             | Ø mm       | l             | r   | s   | e    | T    | F  | m    | v    |         | No.     | Kg     |
| 206   | 93392206    | 30         | 148           | 117 | 80  | 13,3 | 30,5 | 11 | 41,2 | 19   | SUC 206 | FL206   | 0,44   |
| 207   | 93392207    | 35         | 164           | 130 | 90  | 16,1 | 32,8 | 13 | 43,4 | 18   | SUC 207 | FL207   | 0,63   |
| 208   | 93392208    | 40         | 176           | 144 | 100 | 20   | 37,5 | 14 | 51,7 | 21,5 | SUC 208 | FL208   | 0,85   |



## FSB® BEARING

FSB® ball bearings are the ideal solution for transforming rotational movement into a fluid and efficient operation across a wide range of industrial applications. Designed for maximum reliability and a long operating life, they guarantee consistent performances even in the most demanding conditions.



Compared to standard bearings, these models feature an inner ring that extends on both sides. This extension is not merely an aesthetic detail, but a solution that offers several crucial benefits:

- **Increased Shaft Stability:** The wider contact surface between the inner ring and the shaft ensures **more uniform load distribution** and a **firmer grip**. This reduces the risk of the bearing slipping or moving unintentionally, even in presence of vibrations or intermittent loads.
- **Vibration Reduction:** Better adherence to the shaft helps to dampen vibrations, improving operational precision and reducing premature wear on both bearing and shaft itself.
- **Easy Assembly and Disassembly:** The design of these bearings is engineered to simplify installation. They are often paired with quick and efficient locking systems, such as set screws or eccentric collars, which do not require special tools or heating for fitting. This translates into **savings in time and labor costs**.
- **Suitable for Standard Tolerances:** The extended inner ring allows the use of shafts with standard machining tolerances, reducing the need of high precision machining.

Selecting FSB® bearings means investing in high performance, durability and optimised assembly logistics.

### INNER RING SURFACE TREATMENT

All FSB® bearings are supplied with a treated, black inner ring surface. The oxidation treatment gives the ring the following characteristics:

1. **Moderate Corrosion Resistance:** Burnishing creates a surface layer of iron oxides that acts as a barrier against external corrosive agents.
2. **Friction Reduction:** The porous layer created by burnishing acts as an excellent oil receptor. This is crucial because it ensures that a film of lubricant remains on the surface of the rings, even after long periods of inactivity (shutdown). It greatly reduces the risk of initial wear and surface damage.
3. **Prevention of Dry Slippage:** In critical applications (e.g. high speed or sudden acceleration): the burnishing layer helps prevent direct metal-to-metal contact and the resulting dry slippage between the rolling elements and the ring races. This phenomenon is a common cause of rapid damage under conditions of limited lubrication.
4. **Dimensional Integrity:** Burnishing is an extremely thin coating (a few microns) and does not impact the critical dimensional tolerances of the bearing. This is essential for precision components.

### LOCKING SYSTEMS

To better use the extended inner ring, we offer several shaft locking options to suit your every need:

- **With Locking Screw (SB Series):** The screws positioned on the inner ring extension ensure an extremely firm grip that is resistant to high loads and vibrations. Ideal for heavy-duty applications.
- **With Eccentric Ring (SA Series):** For even faster assembly and good concentricity, the eccentric ring allows quick and secure fastening with a simple turn, ideal for processes where speed is essential.

The SB and SA series are also re-lubricable.

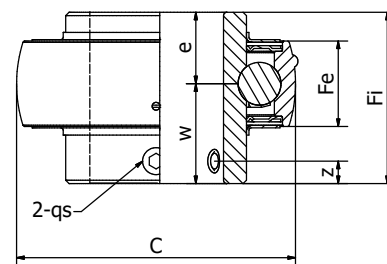
### RECOMMENDED APPLICATIONS

Thanks to their robustness and easy use, FSB® ball bearings with extended inner rings are used in a wide range of sectors:

- **Agricultural Machinery:** Where reliability in demanding environments is essential.
- **Conveyors and Transport Systems:** For smooth, continuous movement with efficient assembly.
- **Industrial Fans:** Where vibrations and high speeds require excellent stability.
- **Textile, Construction, and Food Machinery:** For their versatility and adaptability to different environments.

# DEEP GROOVE BALL BEARINGS UC

SERIES 200

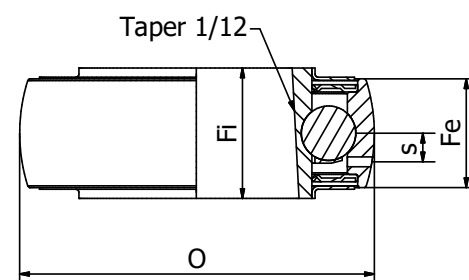


| UC  | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |      |    |      |      |     |         | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|---------------|------|----|------|------|-----|---------|--------------|-------------|--------|
|     |             | Ø mm       | C             | Fi   | Fe | e    | w    | z   | qs      | kN           | kN          | Kg     |
| 201 | 93000201    | 12         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 12,80        | 6,60        | 0,21   |
| 202 | 93000202    | 15         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 12,80        | 6,60        | 0,19   |
| 203 | 93000203    | 17         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 12,80        | 6,60        | 0,18   |
| 204 | 93000204    | 20         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 12,80        | 6,60        | 0,16   |
| 205 | 93000205    | 25         | 52            | 34,0 | 17 | 14,3 | 19,7 | 5,5 | M6x1,0  | 14,00        | 7,90        | 0,20   |
| 206 | 93000206    | 30         | 62            | 38,1 | 19 | 15,9 | 22,2 | 6,0 | M6x1,0  | 19,50        | 11,30       | 0,32   |
| 207 | 93000207    | 35         | 72            | 42,9 | 20 | 17,5 | 25,4 | 6,5 | M8x1,0  | 25,70        | 15,30       | 0,48   |
| 208 | 93000208    | 40         | 80            | 49,2 | 21 | 19,0 | 30,2 | 8,0 | M8x1,0  | 32,60        | 19,80       | 0,64   |
| 209 | 93000209    | 45         | 85            | 49,2 | 22 | 19,0 | 30,2 | 8,0 | M8x1,0  | 32,70        | 20,50       | 0,68   |
| 210 | 93000210    | 50         | 90            | 51,6 | 24 | 19,0 | 32,6 | 10  | M10x1,0 | 35,10        | 23,20       | 0,82   |
| 211 | 93000211    | 55         | 100           | 55,6 | 25 | 22,2 | 33,4 | 10  | M10x1,0 | 43,40        | 29,20       | 1,11   |
| 212 | 93000212    | 60         | 110           | 65,1 | 27 | 25,4 | 39,7 | 10  | M10x1,0 | 52,70        | 36,00       | 1,54   |
| 213 | 93000213    | 65         | 120           | 65,1 | 28 | 25,4 | 39,7 | 10  | M10x1,0 | 57,20        | 40,00       | 1,86   |
| 214 | 93000214    | 70         | 125           | 74,6 | 30 | 30,2 | 44,4 | 12  | M12x1,5 | 62,20        | 44,00       | 2,06   |
| 215 | 93000215    | 75         | 130           | 77,8 | 30 | 33,3 | 44,5 | 12  | M12x1,5 | 66,20        | 49,30       | 2,21   |
| 216 | 93000216    | 80         | 140           | 82,6 | 33 | 33,3 | 49,3 | 14  | M12x1,5 | 72,70        | 53,00       | 2,79   |
| 217 | 93000217    | 85         | 150           | 85,7 | 35 | 34,1 | 51,6 | 14  | M12x1,5 | 83,20        | 62,00       | 3,45   |
| 218 | 93000218    | 90         | 160           | 96,0 | 37 | 39,7 | 56,3 | 14  | M12x1,5 | 96,00        | 71,50       | 4,35   |



# DEEP GROOVE BALL BEARINGS UK

SERIES 200

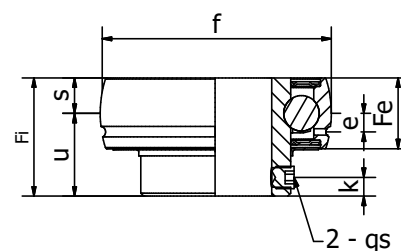


| UK  | PART NUMBER | SHAFT HOLE |     | DIMENSIONS mm |    |            |     | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|-----|---------------|----|------------|-----|--------------|-------------|--------|
|     |             | Ø mm       | O   | Fi            | Fe | Fi (taper) | s   | kN           | kN          | Kg     |
| 207 | 93010207    | 30         | 72  | 28            | 20 | 30         | 5,9 | 25,70        | 15,30       | 0,37   |
| 208 | 93010208    | 35         | 80  | 29            | 21 | 34         | 6,2 | 32,60        | 19,80       | 0,47   |
| 209 | 93010209    | 40         | 85  | 31            | 22 | 36         | 6,6 | 32,70        | 20,50       | 0,52   |
| 210 | 93010210    | 45         | 90  | 31            | 24 | 36         | 6,5 | 35,10        | 23,2        | 0,59   |
| 211 | 93010211    | 50         | 100 | 34            | 25 | 40         | 7,0 | 43,40        | 29,20       | 0,80   |
| 212 | 93010212    | 55         | 110 | 36            | 27 | 47         | 7,6 | 52,50        | 36,00       | 1,02   |



# DEEP GROOVE BALL BEARINGS SB

SERIES 200

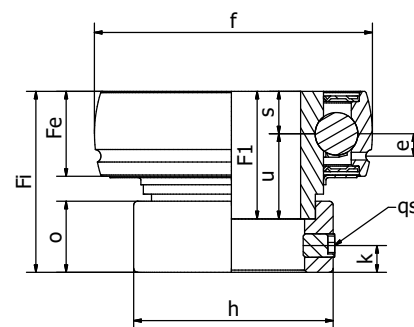


| SB            | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |    |      |      |      |     |     |        | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|---------------|-------------|------------|---------------|----|------|------|------|-----|-----|--------|--------------|-------------|--------|
| RE-LUBRICABLE |             | Ø mm       | Fe            | f  | Fi   | s    | u    | k   | e   | qs     | kN           | kN          | Kg     |
| 201           | 93020201    | 12         | 12            | 40 | 22   | 6,0  | 16,0 | 4,5 | 3,6 | M5x0,8 | 9,60         | 4,80        | 0,10   |
| 202           | 93020202    | 15         | 12            | 40 | 22   | 6,0  | 16,0 | 4,5 | 3,6 | M5x0,8 | 9,60         | 4,80        | 0,10   |
| 203           | 93020203    | 17         | 12            | 40 | 22   | 6,0  | 16,0 | 4,5 | 3,6 | M5x0,8 | 9,60         | 4,80        | 0,10   |
| 204           | 93020204    | 20         | 14            | 47 | 25   | 7,0  | 18,0 | 4,5 | 3,9 | M6x1,0 | 12,80        | 6,60        | 0,15   |
| 205           | 93020205    | 25         | 15            | 52 | 27   | 7,5  | 19,5 | 5,5 | 3,9 | M6x1,0 | 14,00        | 7,90        | 0,18   |
| 206           | 93020206    | 30         | 16            | 62 | 30   | 8,0  | 22,0 | 5,5 | 5,0 | M6x1,0 | 19,50        | 11,30       | 0,27   |
| 207           | 93020207    | 35         | 17            | 72 | 32   | 8,5  | 23,5 | 6,5 | 5,5 | M8x1,0 | 25,70        | 15,30       | 0,42   |
| 208           | 93020208    | 40         | 18            | 80 | 34   | 9,0  | 25,0 | 7,0 | 6,0 | M8x1,0 | 32,60        | 19,80       | 0,60   |
| 209           | 93020209    | 45         | 19            | 85 | 41,2 | 9,5  | 31,7 | 8,2 | 6,3 | M8x1,0 | 32,70        | 20,50       | 0,80   |
| 210           | 93020210    | 50         | 20            | 90 | 41,6 | 10,0 | 31,6 | 9,2 | 6,5 | M8x1,0 | 35,10        | 23,20       | 0,83   |



# DEEP GROOVE BALL BEARINGS SA

SERIES 200



| SB            | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |    |      |      |      |      |      |      |     |     |        | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|---------------|-------------|------------|---------------|----|------|------|------|------|------|------|-----|-----|--------|--------------|-------------|--------|
| RE-LUBRICABLE |             | Ø mm       | Fe            | f  | Fi   | s    | u    | Fi   | h    | o    | k   | e   | qs     | kN           | kN          | Kg     |
| 201           | 93030201    | 12         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | 3,6 | M6x1,0 | 9,60         | 4,80        | 0,13   |
| 202           | 93030202    | 15         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | 3,6 | M6x1,0 | 9,60         | 4,80        | 0,13   |
| 203           | 93030203    | 17         | 12            | 40 | 19,1 | 6,0  | 13,1 | 28,6 | 28,6 | 13,5 | 5,0 | 3,6 | M6x1,0 | 9,60         | 4,80        | 0,13   |
| 204           | 93030204    | 20         | 14            | 47 | 21,5 | 7,0  | 14,5 | 31,0 | 33,3 | 13,5 | 5,0 | 3,9 | M6x1,0 | 12,80        | 6,60        | 0,15   |
| 205           | 93030205    | 25         | 15            | 52 | 21,5 | 7,5  | 14   | 31,0 | 38,1 | 13,5 | 5,0 | 3,9 | M6x1,0 | 14,00        | 7,90        | 0,22   |
| 206           | 93030206    | 30         | 16            | 62 | 23,8 | 8,0  | 15,8 | 35,7 | 44,5 | 15,9 | 6,0 | 5   | M8x1,0 | 19,50        | 11,30       | 0,30   |
| 207           | 93030207    | 35         | 17            | 72 | 25,4 | 8,5  | 16,9 | 38,9 | 55,6 | 17,5 | 6,5 | 5,5 | M8x1,0 | 25,70        | 15,30       | 0,50   |
| 208           | 93030208    | 40         | 18            | 80 | 30,2 | 9,0  | 21,2 | 43,7 | 60,3 | 18,3 | 6,5 | 6   | M8x1,0 | 32,60        | 19,80       | 0,67   |
| 209           | 93030209    | 45         | 19            | 85 | 30,2 | 9,5  | 20,7 | 43,7 | 63,5 | 18,3 | 6,5 | 6,3 | M8x1,0 | 32,70        | 20,50       | 0,73   |
| 210           | 93030210    | 50         | 20            | 90 | 30,2 | 10,0 | 20,2 | 43,7 | 69,9 | 18,3 | 6,5 | 6,5 | M8x1,0 | 35,10        | 23,20       | 0,83   |



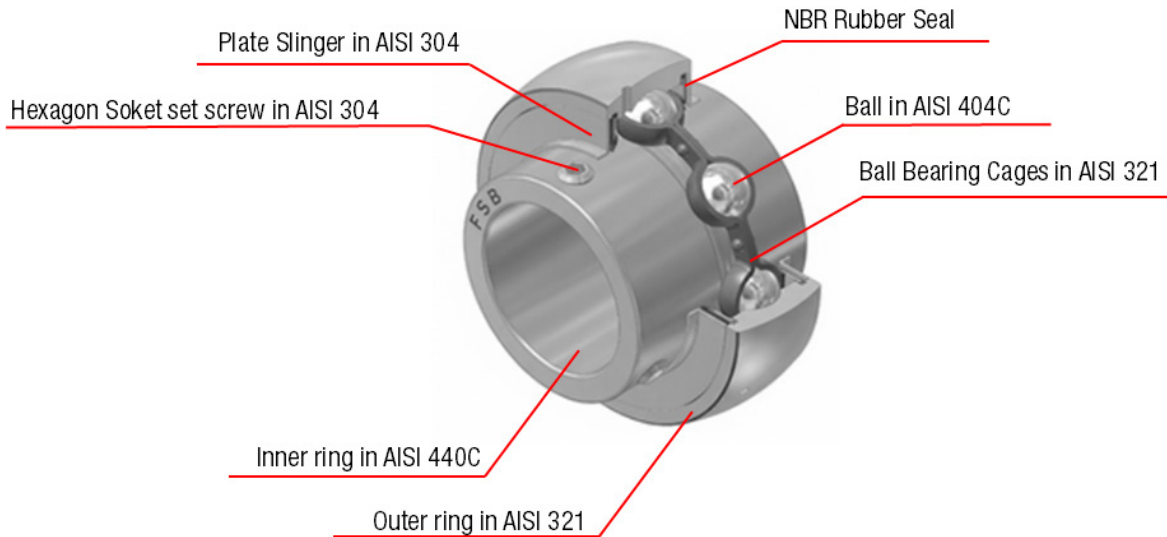




## STAINLESS STEEL FSB® BEARING

FSB® bearings are designed to excel in highly corrosive environments where standard steel would quickly corrode. Stainless steel bearings offer crucial advantages for specific applications:

- **Excellent Corrosion Resistance:** This is the primary advantage. They withstand moisture, water, steam, and many weak chemical agents or detergents.
- **Hygiene and Washdown:** They are essential in industries that require frequent and intensive washing cycles for hygiene.
- **Extreme Environments:** They can operate within a wider range of temperature and environmental conditions compared to standard bearings, although their load capacity is generally **lower** (about 20-30% less) than that of same-sized chromium steel bearings.



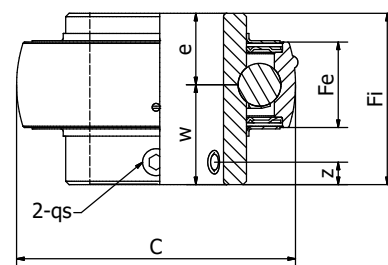
### TYPICAL APPLICATIONS

- **Food and Beverage Industry:** Bottling machines, conveyor belts.
- **Pharmaceuticals:** Dosing and mixing equipment.
- **Chemical Industry:** Environments exposed to corrosive splashes or vapours.



# DEEP GROOVE BALL BEARINGS SUC STAINLESS STEEL

SERIES 200

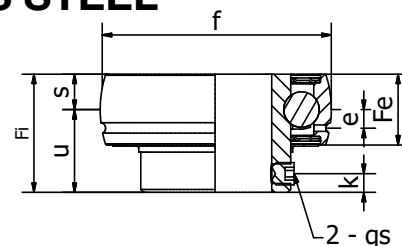


| SUC | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |      |    |      |      |     |         | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|-----|-------------|------------|---------------|------|----|------|------|-----|---------|--------------|-------------|--------|
|     |             | Ø mm       | C             | Fi   | Fe | e    | w    | z   | qs      | N            | N           | Kg     |
| 203 | 93009203    | 17         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 10000        | 6300        | 0,18   |
| 204 | 93009204    | 20         | 47            | 31,0 | 17 | 12,7 | 18,3 | 4,8 | M6x1,0  | 10000        | 6300        | 0,16   |
| 205 | 93009205    | 25         | 52            | 34,0 | 17 | 14,3 | 19,7 | 5,5 | M6x1,0  | 11000        | 7100        | 0,20   |
| 206 | 93009206    | 30         | 62            | 38,1 | 19 | 15,9 | 22,2 | 6,0 | M6x1,0  | 15200        | 10200       | 0,32   |
| 207 | 93009207    | 35         | 72            | 42,9 | 20 | 17,5 | 25,4 | 6,5 | M8x1,0  | 20100        | 13900       | 0,48   |
| 208 | 93009208    | 40         | 80            | 49,2 | 21 | 19,0 | 30,2 | 8,0 | M8x1,0  | 25600        | 18100       | 0,64   |
| 209 | 93009209    | 45         | 85            | 49,2 | 22 | 19,0 | 30,2 | 8,0 | M8x1,0  | 25600        | 18100       | 0,68   |
| 210 | 93009210    | 50         | 90            | 51,6 | 24 | 19,0 | 32,6 | 10  | M10x1,0 | 27500        | 20200       | 0,82   |



# DEEP GROOVE BALL BEARINGS SSSB STAINLESS STEEL

SERIES 200

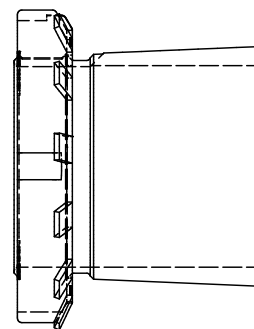


| SSSB          | PART NUMBER | SHAFT HOLE | DIMENSIONS mm |    |      |      |      |     |     |        | DYNAMIC LOAD | STATIC LOAD | WEIGHT |
|---------------|-------------|------------|---------------|----|------|------|------|-----|-----|--------|--------------|-------------|--------|
| RE-LUBRICABLE |             | Ø mm       | Fe            | f  | Fi   | s    | u    | k   | e   | qs     | N            | N           | Kg     |
| 203           | 93029203    | 17         | 12            | 40 | 22   | 6,0  | 16,0 | 4,5 | 3,6 | M5x0,8 | 7600         | 4500        | 0,10   |
| 204           | 93029204    | 20         | 14            | 47 | 25   | 7,0  | 18,0 | 4,5 | 3,9 | M6x1,0 | 10000        | 6300        | 0,15   |
| 205           | 93029205    | 25         | 15            | 52 | 27   | 7,5  | 19,5 | 5,5 | 3,9 | M6x1,0 | 11000        | 7100        | 0,18   |
| 206           | 93029206    | 30         | 16            | 62 | 30   | 8,0  | 22,0 | 5,5 | 5,0 | M6x1,0 | 15200        | 10200       | 0,27   |
| 207           | 93029207    | 35         | 17            | 72 | 32   | 8,5  | 23,5 | 6,5 | 5,5 | M8x1,0 | 20100        | 13900       | 0,42   |
| 208           | 93029208    | 40         | 18            | 80 | 34   | 9,0  | 25,0 | 7,0 | 6,0 | M8x1,0 | 25600        | 18100       | 0,60   |
| 209           | 93029209    | 45         | 19            | 85 | 41,2 | 9,5  | 31,7 | 8,2 | 6,3 | M8x1,0 | 32600        | 24500       | 0,80   |
| 210           | 93029210    | 50         | 20            | 90 | 41,6 | 10,0 | 31,6 | 9,2 | 6,5 | M8x1,0 | 35800        | 23000       | 0,83   |



## ADAPTER SLEEVE

SERIES H23...



| H    | PART NUMBER | SHAFT HOLE |
|------|-------------|------------|
|      |             | Ø mm       |
| 2307 | 93002307    | 30         |
| 2308 | 93002308    | 35         |
| 2309 | 93002309    | 40         |
| 2310 | 93002310    | 45         |
| 2311 | 93002311    | 50         |
| 2312 | 93002312    | 55         |



## COVERS FOR CAST IRON BEARING UNITS

SERIES 200

| END COVERS   |             | END COVERS WITH O-RING |             |
|--------------|-------------|------------------------|-------------|
| BEARING UNIT | PART NUMBER | BEARING UNIT           | PART NUMBER |
| 202          | 93320202    | 202                    | 93330202    |
| 203          | 93320203    | 203                    | 93330203    |
| 204          | 93320204    | 204                    | 93330204    |
| 205          | 93320205    | 205                    | 93330205    |
| 206          | 93320206    | 206                    | 93330206    |
| 207          | 93320207    | 207                    | 93330207    |
| 208          | 93320208    | 208                    | 93330208    |
| 209          | 93320209    | 209                    | 93330209    |
| 210          | 93320210    | 210                    | 93330210    |
| 211          | 93320211    | 211                    | 93330211    |

## COVERS FOR THERMOPLASTIC BEARING UNITS

SERIES 200

| END COVERS   |             | END COVERS WITH O-RING |             |
|--------------|-------------|------------------------|-------------|
| BEARING UNIT | PART NUMBER | BEARING UNIT           | PART NUMBER |
| 202          | 93329202    | 203                    | 93339203    |
| 203          | 93329203    | 204                    | 93339204    |
| 204          | 93329204    | 205                    | 93339205    |
| 205          | 93329205    | 206                    | 93339206    |
| 206          | 93329206    | 207                    | 93339207    |
| 207          | 93329207    | 208                    | 93339208    |
| 208          | 93329208    | 209                    | 93339209    |
| 209          | 93329209    | 210                    | 93339210    |
| 210          | 93329210    |                        |             |
| 211          | 93329211    |                        |             |





## SEALS FOR THERMOPLASTIC BEARING UNITS

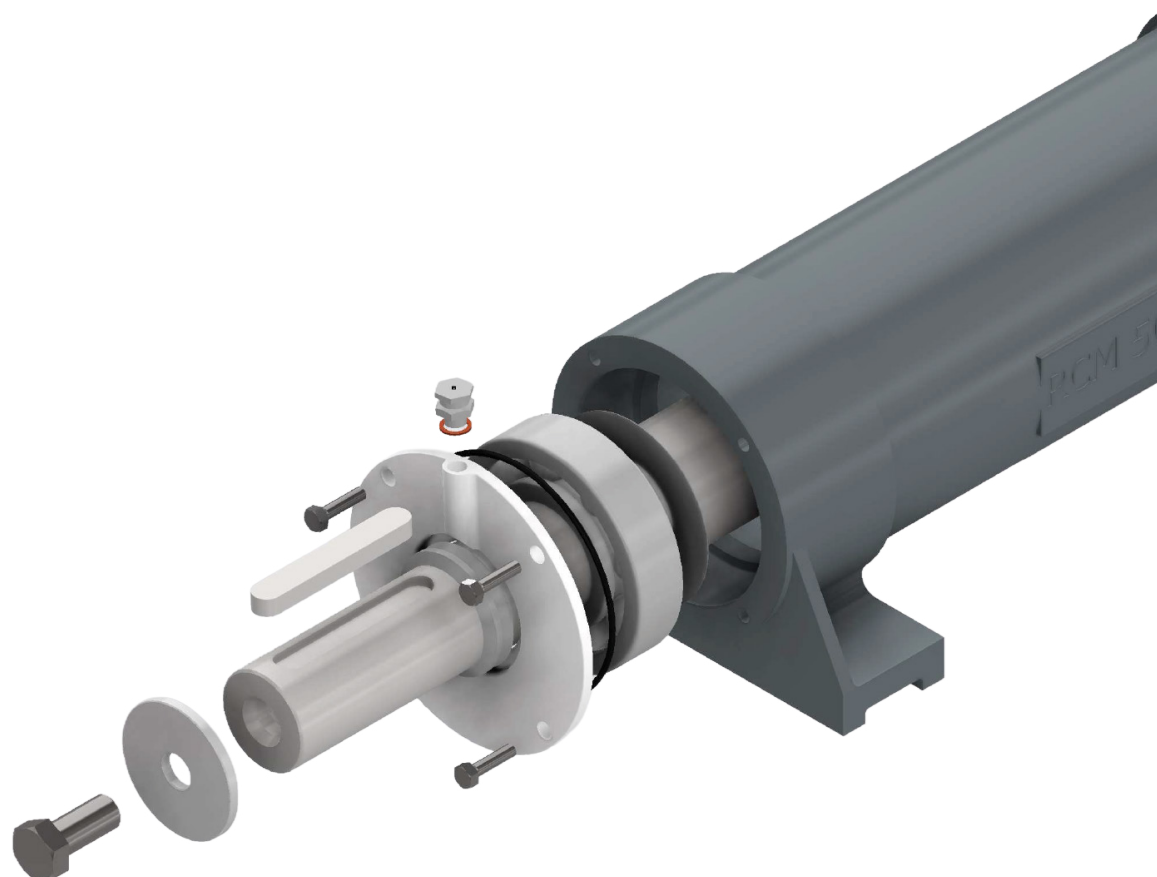
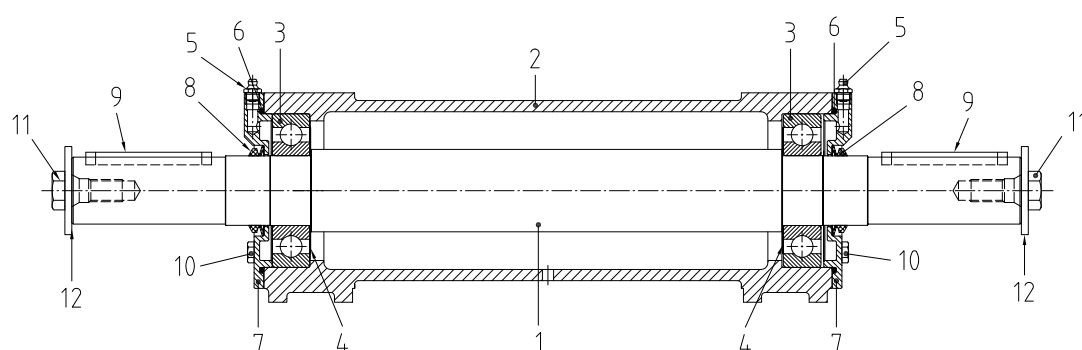
SERIES F - FL - P

| BEARING UNIT | d  | PART NUMBER |
|--------------|----|-------------|
| BS203        | 17 | 93349203    |
| BS204        | 20 | 93349204    |
| BS205        | 25 | 93349205    |
| BS206        | 30 | 93349206    |
| BS207        | 35 | 93349207    |
| BS208        | 40 | 93349208    |
| BS209        | 45 | 93349209    |
| BS210        | 50 | 93349210    |

# RCM® BEARING-BLOCKS

## DESCRIPTION

1. Steel shaft
2. Casing cast iron
3. Bearing series 63XX
4. Disc retainer
5. Galvanized grease + Copper washer
6. Seal OR
7. Cover
8. Ring V-ring
9. Key
10. Cover zinc screw
11. Head zinc screw
12. Head washer



## NOMINAL TORQUE AND DRIVING POWER

### BEARING-BLOCKS SELECTION CRITERIA

Bearing-Block selection is carried out using two different ways:

1. By power curves if the motor is directly applied;
2. By maximum torque value if a gearbox is positioned between the motor and the bearing-block.

The maximum power values according to the curves or the maximum power and torque values indicated in the table

The maximum power values according to the curves or the maximum power and torque values indicated in the below table are calculated with  $F_s=1$  ( $F_s$  = Service Factor). These values must therefore be adapted to the end-user's requirements and safety criteria.

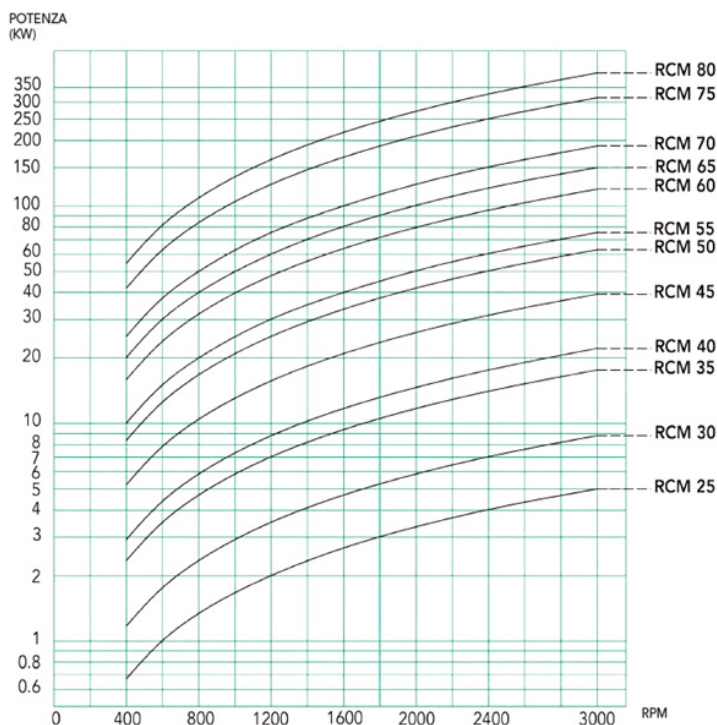
### THREE-PHASE ASYNCHRONOUS CAGE MOTOR - POWERS IN ACCORDANCE WITH REGULATIONS IEC-72

| Type   | Maximum torque | Power with 8 motor poles<br>rpm 750 | Power with 6 motor poles<br>rpm 1000 | Power with 4 motor poles<br>rpm 1500 | Power with 2 motor poles<br>rpm 3000 |
|--------|----------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|        | Nm             | KW                                  | KW                                   | KW                                   | KW                                   |
| RCM 25 | 16             | 1,1                                 | 1,5                                  | 2,2                                  | 4,5                                  |
| RCM 30 | 28             | 2,2                                 | 3                                    | 4,5                                  | 9                                    |
| RCM 35 | 56             | 4                                   | 5,5                                  | 7,5                                  | 15                                   |
| RCM 40 | 70             | 5,5                                 | 7,5                                  | 11                                   | 22                                   |
| RCM 45 | 125            | 9,5                                 | 11                                   | 18,5                                 | 37                                   |
| RCM 50 | 200            | 15                                  | 18,5                                 | 30                                   | 55                                   |
| RCM 55 | 240            | 18,5                                | 22                                   | 37                                   | 75                                   |
| RCM 60 | 380            | 30                                  | 37                                   | 55                                   | 110                                  |
| RCM 65 | 480            | 37                                  | 45                                   | 75                                   | 132                                  |
| RCM 70 | 600            | 45                                  | 55                                   | 90                                   | 160                                  |
| RCM 75 | 1000           | 75                                  | 90                                   | 132                                  | 250                                  |
| RCM 80 | 1300           | 90                                  | 132                                  | 200                                  | 375                                  |

### NOTE:

All data and performance are listed in the catalogue with safety factor  $F_s=1$

### DIAGRAM FOR RCM® BEARING-BLOCKS



### NOTE:

All data and performance are listed in the catalogue with safety factor  $F_s=1$



## NOMINAL TORQUE AND DRIVING POWER

### ALLOWED LOAD ON THE 'LOCKED' SIDE OF THE SHAFT DEPENDING ON ITS OPERATING SPEED

Bearing-Block selection is carried out using two different ways:

1. By power curves if the motor is directly applied;
2. By maximum torque value if a gearbox is positioned between the motor and the bearing-block.

The maximum power values according to the curves or the maximum power and torque values indicated in the table

The maximum power values according to the curves or the maximum power and torque values indicated in the below table are calculated with  $F_s=1$  ( $F_s$  = Service Factor).

These values must therefore be adapted to the end-user's requirements and safety criteria.



#### NOTE:

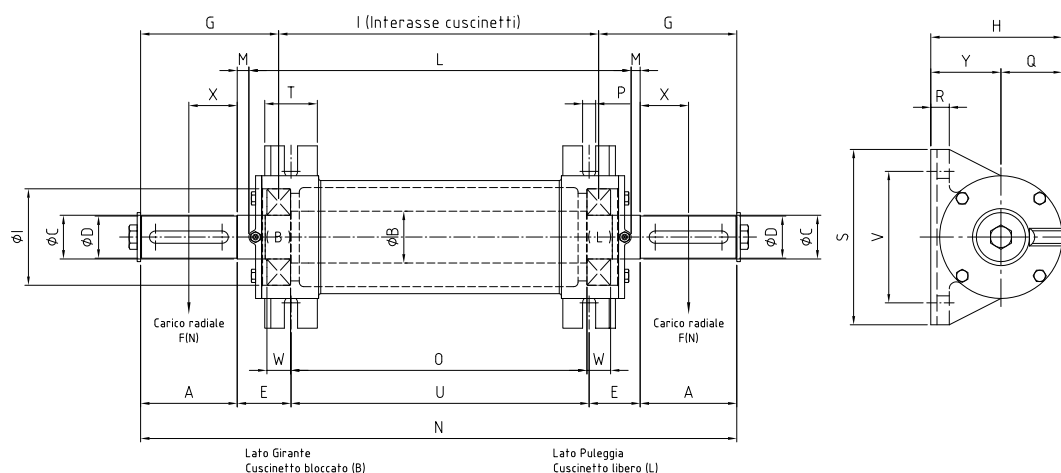
All data and performance are listed in the catalogue with safety factor  $F_s=1$



# NOMINAL TORQUE AND DRIVING POWER AS

## RCM-AS BEARING-BLOCKS STANDARD SHAFTS

For AS 45 - 50 - 55 - 60 - 70 - 75 - 80 models, can be supplied an anti-rotation group EUROPEAN PATENT N° 03425164.5 to be fitted in place of the locked bearing side cover (b).



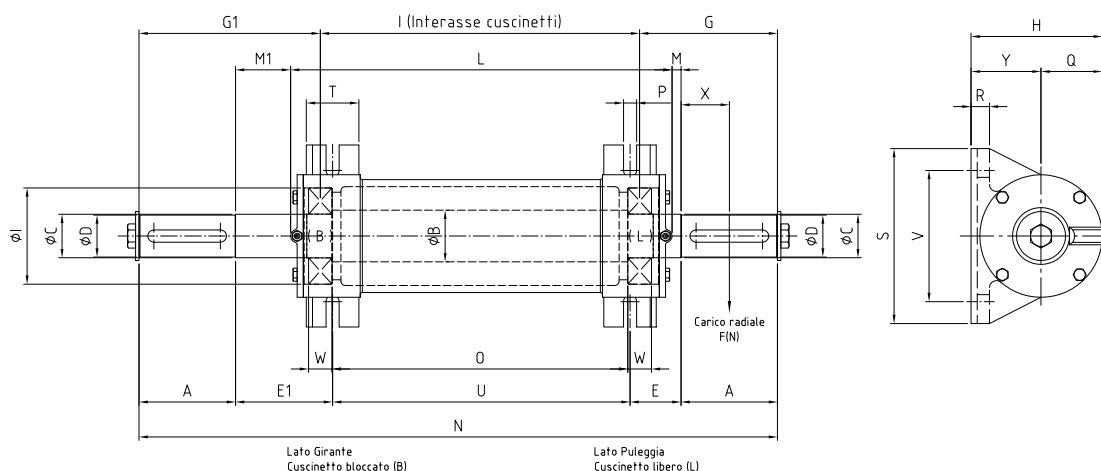
## RCM-AS BEARING-BLOCKS STANDARD SHAFT

| TYPE | PART NUMBER | ØD   | A   | E  | L   | U   | ØF  | P  | T   | ØB | N   | G     | I   | O   | ØC | Q   | H   | R  | V   | S   | Y   | W  | M    | X  | BEARING | HEAD BOLT | HEAD WASHER    | KEYWAY        | WEIGHT kg. |
|------|-------------|------|-----|----|-----|-----|-----|----|-----|----|-----|-------|-----|-----|----|-----|-----|----|-----|-----|-----|----|------|----|---------|-----------|----------------|---------------|------------|
| 25   | 95000251    | 24j6 | 50  | 50 | 281 | 200 | 62  | 15 | 50  | 34 | 400 | 88,5  | 222 | 205 | 25 | 45  | 105 | 20 | 135 | 180 | 60  | 17 | 9,5  | 25 | 6305    | M8        | 8,5 x 36 x 4   | 8 x 7 x 35    | 8          |
| 30   | 95000301    | 28j6 | 60  | 50 | 281 | 200 | 72  | 15 | 50  | 39 | 420 | 99,5  | 220 | 201 | 30 | 50  | 110 | 20 | 135 | 180 | 60  | 19 | 9,5  | 30 | 6306    | M8        | 8,5 x 36 x 4   | 8 x 7 x 45    | 10         |
| 35   | 95000351    | 32k6 | 60  | 56 | 352 | 265 | 80  | 15 | 50  | 43 | 497 | 103,5 | 288 | 267 | 35 | 54  | 124 | 20 | 145 | 195 | 70  | 21 | 12,5 | 30 | 6307    | M12       | 12,5 x 48 x 4  | 10 x 8 x 45   | 14         |
| 40   | 95000401    | 38k6 | 80  | 56 | 351 | 265 | 90  | 15 | 50  | 48 | 537 | 125   | 286 | 263 | 40 | 58  | 128 | 20 | 145 | 195 | 70  | 23 | 13   | 40 | 6308    | M12       | 12,5 x 48 x 4  | 10 x 8 x 60   | 17         |
| 45   | 95000451    | 42k6 | 110 | 60 | 434 | 340 | 100 | 15 | 60  | 53 | 680 | 156   | 367 | 342 | 45 | 70  | 150 | 20 | 150 | 200 | 80  | 25 | 13   | 55 | 6309    | M16       | 16,5 x 63 x 5  | 12 x 8 x 90   | 24         |
| 50   | 95000501    | 48k6 | 110 | 60 | 435 | 340 | 110 | 15 | 60  | 59 | 680 | 156,5 | 366 | 339 | 50 | 70  | 150 | 20 | 150 | 200 | 80  | 27 | 12,5 | 55 | 6310    | M16       | 16,5 x 63 x 5  | 14 x 9 x 90   | 28         |
| 55   | 95000551    | 48k6 | 110 | 86 | 571 | 448 | 120 | 18 | 80  | 64 | 840 | 169,5 | 500 | 471 | 55 | 75  | 165 | 24 | 180 | 230 | 90  | 29 | 24,5 | 55 | 6311    | M16       | 16,5 x 85 x 6  | 14 x 9 x 90   | 43         |
| 60   | 95000601    | 55m6 | 110 | 86 | 570 | 448 | 130 | 18 | 80  | 71 | 840 | 171   | 497 | 466 | 60 | 85  | 175 | 24 | 180 | 230 | 90  | 31 | 25   | 55 | 6312    | M16       | 16,5 x 85 x 6  | 16 x 10 x 90  | 49         |
| 65   | 95000651    | 60m6 | 140 | 75 | 574 | 448 | 140 | 20 | 90  | 76 | 878 | 191   | 495 | 462 | 65 | 84  | 184 | 24 | 190 | 250 | 100 | 33 | 12   | 70 | 6313    | M16       | 16,5 x 85 x 6  | 18 x 11 x 120 | 56         |
| 70   | 95000701    | 65m6 | 140 | 75 | 574 | 448 | 150 | 20 | 90  | 81 | 878 | 192   | 492 | 457 | 70 | 90  | 190 | 24 | 190 | 250 | 100 | 35 | 12   | 70 | 6314    | M16       | 16,5 x 85 x 6  | 18 x 11 x 120 | 61         |
| 75   | 95000751    | 70m6 | 150 | 80 | 594 | 460 | 160 | 22 | 100 | 86 | 930 | 209   | 511 | 474 | 75 | 102 | 202 | 28 | 280 | 355 | 100 | 37 | 18   | 75 | 6315    | M20       | 20,5 x 100 x 8 | 20 x 12 x 130 | 89         |
| 80   | 95000801    | 75m6 | 150 | 85 | 598 | 460 | 170 | 22 | 100 | 91 | 930 | 210   | 509 | 470 | 80 | 102 | 202 | 28 | 280 | 355 | 100 | 39 | 16   | 75 | 6316    | M20       | 20,5 x 100 x 8 | 20 x 12 x 130 | 90         |

## NOMINAL TORQUE AND DRIVING POWER AL

## RCM-AL BEARING-BLOCKS LONG SHAFTS

For AL 45 - 50 - 55 - 60 models, on demand can be supplied an anti-rotation group EUROPEAN PATENT N° 03425164.5 to be fitted in place of the locked bearing side cover (b).



### RCM-AS BEARING-BLOCKS STANDARD SHAFT

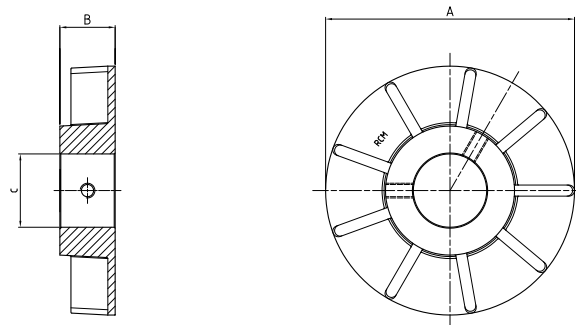
| TYPE | PART NUMBER | ØD   | A   | E  | E1  | L   | U   | ØF  | P  | T  | ØB | N   | G     | G1    | I   | O   | ØC | Q  | H   | R  | V   | S   | Y   | W  | M    | X  | M1   | BEARING | WEIGHT kg. |
|------|-------------|------|-----|----|-----|-----|-----|-----|----|----|----|-----|-------|-------|-----|-----|----|----|-----|----|-----|-----|-----|----|------|----|------|---------|------------|
| 30   | 95000302    | 28j6 | 60  | 50 | 90  | 281 | 200 | 72  | 15 | 50 | 39 | 460 | 99,5  | 139,5 | 220 | 201 | 30 | 50 | 110 | 20 | 135 | 180 | 60  | 19 | 9,5  | 30 | 49,5 | 6306    | 10         |
| 35   | 95000352    | 32k6 | 60  | 56 | 100 | 352 | 265 | 80  | 15 | 50 | 43 | 541 | 103,5 | 147,5 | 288 | 267 | 35 | 54 | 124 | 20 | 145 | 195 | 70  | 21 | 12,5 | 30 | 56,5 | 6307    | 14         |
| 40   | 95000402    | 38k6 | 80  | 56 | 110 | 351 | 265 | 90  | 15 | 50 | 48 | 591 | 125   | 179   | 286 | 263 | 40 | 58 | 128 | 20 | 145 | 195 | 70  | 23 | 13   | 40 | 67   | 6308    | 17         |
| 45   | 95000452    | 42k6 | 110 | 60 | 110 | 434 | 340 | 100 | 15 | 60 | 53 | 730 | 156   | 206   | 367 | 342 | 45 | 70 | 150 | 20 | 150 | 200 | 80  | 25 | 13   | 55 | 63   | 6309    | 24         |
| 50   | 95000502    | 48k6 | 110 | 60 | 110 | 435 | 340 | 110 | 15 | 60 | 59 | 730 | 156,5 | 206,5 | 366 | 339 | 50 | 70 | 150 | 20 | 150 | 200 | 80  | 27 | 12,5 | 55 | 62,5 | 6310    | 28         |
| 55   | 95000552    | 48k6 | 110 | 86 | 140 | 571 | 448 | 120 | 18 | 80 | 64 | 894 | 169,5 | 223,5 | 500 | 471 | 55 | 75 | 165 | 24 | 180 | 230 | 90  | 29 | 24,5 | 55 | 78,5 | 6311    | 43         |
| 60   | 95000602    | 55m6 | 110 | 86 | 140 | 570 | 448 | 130 | 18 | 80 | 71 | 894 | 171   | 225   | 497 | 466 | 60 | 85 | 175 | 24 | 180 | 230 | 90  | 31 | 25   | 55 | 79   | 6312    | 49         |
| 65   | 95000652    | 60m6 | 140 | 86 | 140 | 574 | 443 | 140 | 20 | 90 | 76 | 955 | 203   | 257   | 495 | 462 | 65 | 84 | 184 | 24 | 190 | 250 | 100 | 33 | 23,5 | 70 | 77,5 | 6313    | 58         |

### RCM-AS BEARING-BLOCKS STANDARD SHAFT

| TYPE | HEAD BOLT | HEAD WASHER   | KEYWAY        | WEIGHT kg. |
|------|-----------|---------------|---------------|------------|
| 30   | M8        | 8,5 x 36 x 4  | 8 x 7 x 45    | 10         |
| 35   | M12       | 12,5 x 48 x 4 | 10 x 8 x 45   | 14         |
| 40   | M12       | 12,5 x 48 x 4 | 10 x 8 x 60   | 17         |
| 45   | M16       | 16,5 x 63 x 5 | 12 x 8 x 90   | 24         |
| 50   | M16       | 16,5 x 63 x 5 | 14 x 9 x 90   | 28         |
| 55   | M16       | 16,5 x 85 x 6 | 14 x 9 x 90   | 43         |
| 60   | M16       | 16,5 x 85 x 6 | 16 x 10 x 90  | 49         |
| 65   | M16       | 16,5 x 85 x 6 | 18 x 11 x 120 | 58         |



## RCM-AL FOR COOLING FAN



| TYPE | PART NUMBER | A   | B  | C    |
|------|-------------|-----|----|------|
| 30   | 95000303    | 115 | 28 | 29,8 |
| 35   | 95000353    | 135 | 30 | 34,8 |
| 40   | 95000403    | 135 | 30 | 39,8 |
| 45   | 95000453    | 155 | 32 | 44,8 |
| 50   | 95000503    | 155 | 32 | 49,8 |
| 55   | 95000553    | 170 | 32 | 54,8 |
| 60   | 95000603    | 170 | 32 | 59,8 |
| 65   | 95000653    | 188 | 30 | 64,8 |

| TYPE  | PART NUMBER |
|-------|-------------|
| 30    | 95000001    |
| 35-40 | 95000002    |
| 45-50 | 95000003    |
| 55-60 | 95000004    |



## ANTI-ROTATION GROUP

**Bearing Blocks with RCM-AS Anti-Rotation System**

| TYPE | PART NUMBER | MAX RPM W/O LOAD N°/1' |
|------|-------------|------------------------|
| 45   | 95000045    | 500                    |
| 50   | 95000050    | 475                    |
| 55   | 95000055    | 400                    |
| 60   | 95000060    | 350                    |
| 65   | 95000065    | 350                    |
| 70   | 95000070    | 330                    |
| 75   | 95000075    | 325                    |
| 80   | 95000080    | 300                    |

**Bearing Blocks with RCM-AL Anti-Rotation System**

| TYPE | PART NUMBER | MAX RPM W/O LOAD N°/1' |
|------|-------------|------------------------|
| 45   | 95000045    | 500                    |
| 50   | 95000050    | 475                    |
| 55   | 95000055    | 400                    |
| 60   | 95000060    | 350                    |
| 65   | 95000065    | 350                    |









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