

**RIDUTTORI
EPICICLOIDALI**

**PLANETARY
GEARBOXES**



The MANUFACTURER distributor

Our Logistic Center in Cantalupa is a coordinated set of informatic functions intended for storage, picking, packaging and delivery of products.

All the functions have been automatized at the highest levels available today.

The Chiaravalli logistic group has established itself over the years becming an example of excellence for all the European companies working in the same sector.



Il nostro centro logistico è un insieme di funzioni informatiche dedicate allo stoccaggio dei prodotti, al loro prelevamento, al loro confezionamento ed alla loro spedizione.

Tutte le funzioni sono state automatizzate ai più alti livelli oggi disponibili.

La logistica Chiaravalli Group in Cavarina con Premezzo (Cantalupa) si è affermata nel tempo come elemento di comparazione e traguardo per tutte le aziende europee del settore meccanico.

WE MANUFACTURE

COMPONENTI SPECIALI

Produzione di particolari meccanici di grande complessità ed altissima precisione



MECHANICAL WORM SCREW JACKS

Customized and Standard products as per our catalogue



STANDARD TRANSMISSION

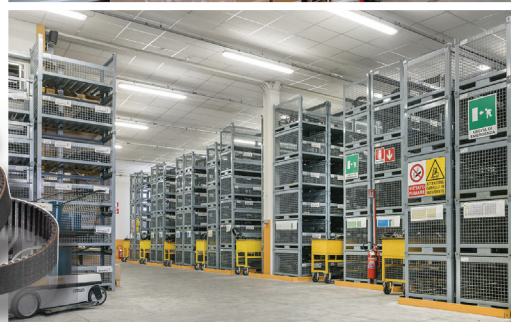
Standard products as per our catalogue



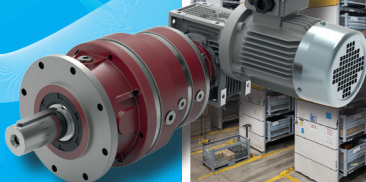
URB BEARINGS



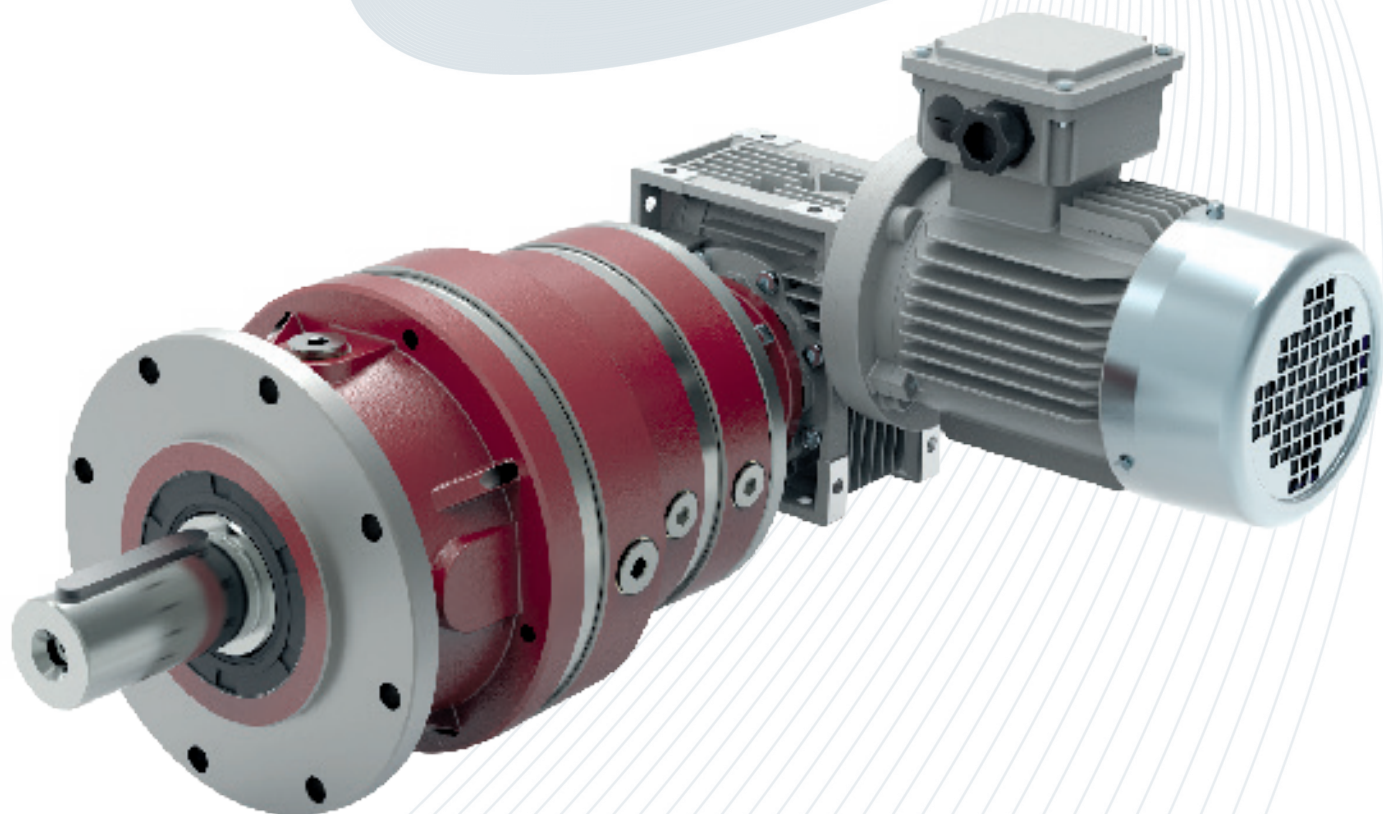
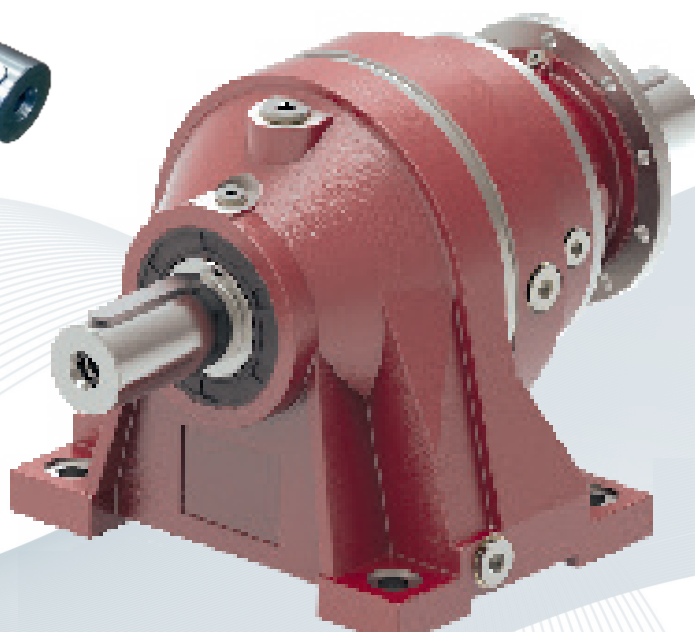
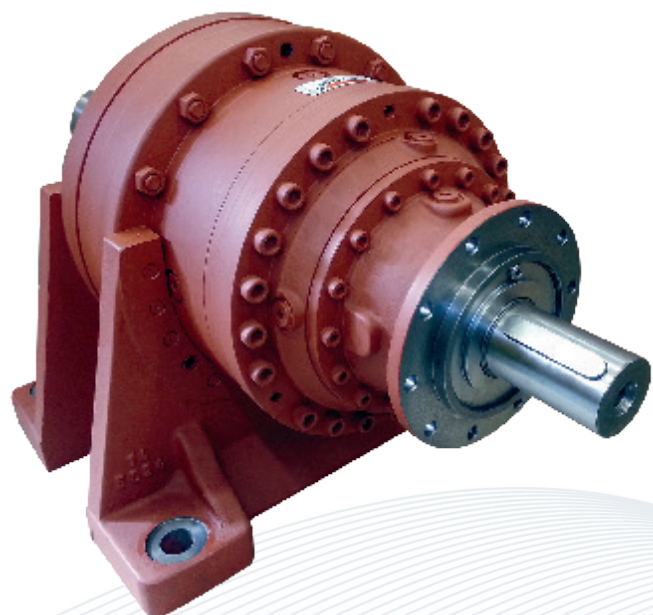
BELTS



GEAR BOXES & ELECTRIC MOTORS



WE DISTRIBUTE





INDICE DEI CONTENUTI · INDEX OF CONTENT

A	INTRODUZIONE	INTRODUCTION	A1
	Designazione	<i>Designation</i>	A2
	Caratteristiche tecniche	<i>Technical features</i>	A6
	Installazione e manutenzione	<i>Installation and maintenance</i>	A10
	Lubrificazione	<i>Lubrication</i>	A12
	Posizioni di montaggio	<i>Mounting positions</i>	A18
B	CPHL CHPLB 1000		B1
	Dati Tecnici	<i>Technical data</i>	B2
	Dimensioni uscita CMS	CMS Output dimensions	B4
	Dimensioni uscita CMC	CMC Output dimensions	B6
	Dimensioni uscita CPS	CPS Output dimensions	B8
	Dimensioni uscita CPC	CPC Output dimensions	B10
	Dimensioni uscita CF	CF Output dimensions	B12
	Dimensioni uscita CFS	CFS Output dimensions	B14
	Dimensioni uscita CCPC	CCPC Output dimensions	B16
	Accessori	Accessories	B18
	Carichi in uscita	Output loads	B19
C	CPHL CHPLB 1600		C1
	Dati Tecnici	<i>Technical data</i>	C2
	Dimensioni uscita CMS	CMS Output dimensions	C4
	Dimensioni uscita CMC	CMC Output dimensions	C6
	Dimensioni uscita CPS	CPS Output dimensions	C8
	Dimensioni uscita CPC	CPC Output dimensions	C10
	Dimensioni uscita CF	CF Output dimensions	C12
	Dimensioni uscita CFS	CFS Output dimensions	C14
	Dimensioni uscita CCPC	CCPC Output dimensions	C16
	Accessori	Accessories	C18
	Carichi in uscita	Output loads	C19
D	CPHL CHPLB 2500		D1
	Dati Tecnici	<i>Technical data</i>	D2
	Dimensioni uscita CMS	CMS Output dimensions	D4
	Dimensioni uscita CMC	CMC Output dimensions	D6
	Dimensioni uscita CPS	CPS Output dimensions	D8
	Dimensioni uscita CPC	CPC Output dimensions	D10
	Dimensioni uscita CF	CF Output dimensions	D12
	Dimensioni uscita CFS	CFS Output dimensions	D14
	Dimensioni uscita CCPC	CCPC Output dimensions	D16
	Accessori	Accessories	D18
	Carichi in uscita	Output loads	D19

INDICE DEI CONTENUTI · INDEX OF CONTENT

E	CPHL CHPLB 5000		E1
	Dati Tecnici	<i>Technical data</i>	E2
	Dimensioni uscita CMS	CMS Output dimensions	E4
	Dimensioni uscita CMC	CMC Output dimensions	E6
	Dimensioni uscita CPS	CPS Output dimensions	E8
	Dimensioni uscita CPC	CPC Output dimensions	E10
	Dimensioni uscita CF	CF Output dimensions	E12
	Dimensioni uscita CFS	CFS Output dimensions	E14
	Dimensioni uscita CCPC	CCPC Output dimensions	E16
	Accessori	Accessories	E18
	Carichi in uscita	Output loads	E19
F	CPHL CHPLB 7000		F1
	Dati Tecnici	<i>Technical data</i>	F2
	Dimensioni uscita CPS	CPS Output dimensions	F4
	Dimensioni uscita CPC	CPC Output dimensions	F6
	Dimensioni uscita CF	CF Output dimensions	F8
	Dimensioni uscita CFS	CFS Output dimensions	F10
	Dimensioni uscita CCPC	CCPC Output dimensions	F12
	Accessori	Accessories	F14
	Carichi in uscita	Output loads	F15
G	CPHL CHPLB 10000		G1
	Dati Tecnici	<i>Technical data</i>	G2
	Dimensioni uscita CMS	CMS Output dimensions	G4
	Dimensioni uscita CMC	CMC Output dimensions	G6
	Dimensioni uscita CF	CF Output dimensions	G8
	Dimensioni uscita CFS	CFS Output dimensions	G10
	Dimensioni uscita CCPC	CCPC Output dimensions	G12
	Accessori	Accessories	G14
	Carichi in uscita	Output loads	G15
H	CPHL CHPLB 16000		H1
	Dati Tecnici	<i>Technical data</i>	H2
	Dimensioni uscita CMS	CMS Output dimensions	H4
	Dimensioni uscita CMC	CMC Output dimensions	H6
	Dimensioni uscita CPS	CPS Output dimensions	H8
	Dimensioni uscita CPC	CPC Output dimensions	H10
	Dimensioni uscita CF	CF Output dimensions	H12
	Dimensioni uscita CFS	CFS Output dimensions	H14
	Dimensioni uscita CCPC	CCPC Output dimensions	H16
	Accessori	Accessories	H18
	Carichi in uscita	Output loads	H19

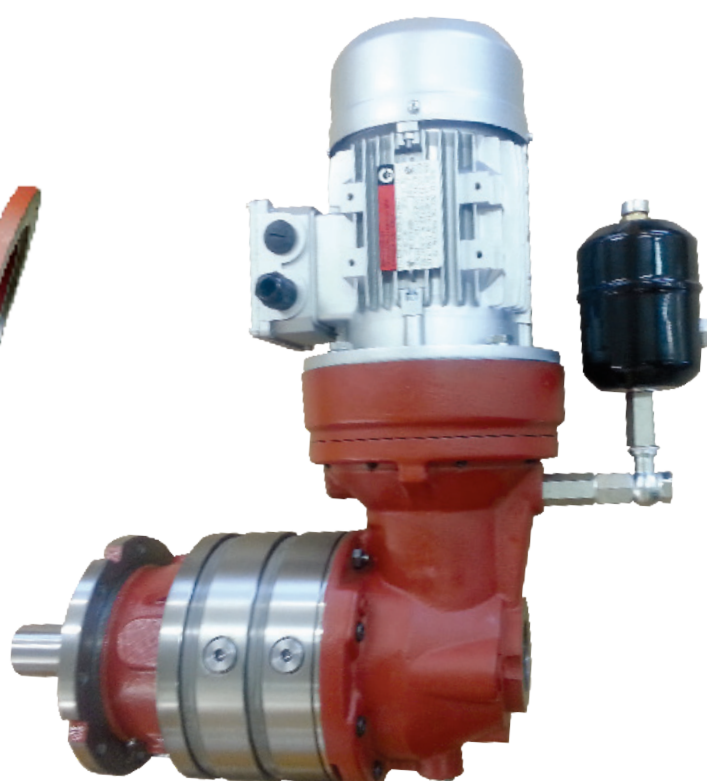
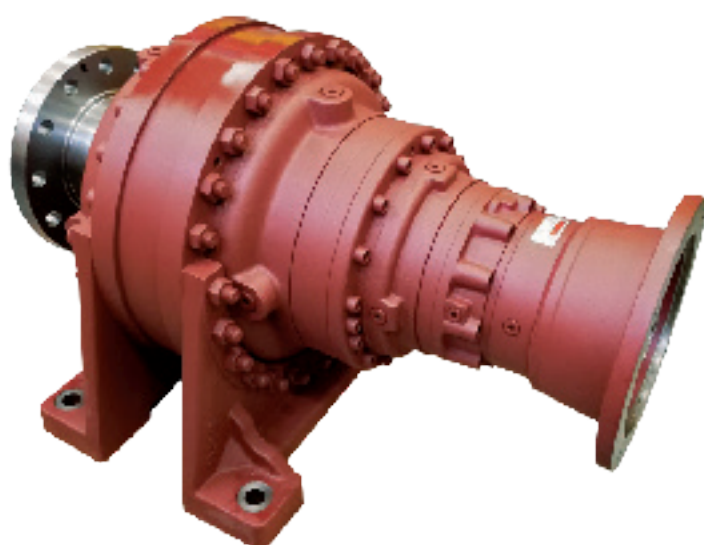


INDICE DEI CONTENUTI · INDEX OF CONTENT

I	CPHL CHPLB 18000		I1
	Dati Tecnici	Technical data	I2
	Dimensioni uscita CMS	CMS Output dimensions	I4
	Dimensioni uscita CMC	CMC Output dimensions	I6
	Dimensioni uscita CPS	CPS Output dimensions	I8
	Dimensioni uscita CPC	CPC Output dimensions	I10
	Dimensioni uscita CF	CF Output dimensions	I12
	Dimensioni uscita CFS	CFS Output dimensions	I14
	Dimensioni uscita CCPC	CCPC Output dimensions	I16
	Accessori	Accessories	I18
	Carichi in uscita	Output loads	I19
L	CPHL CHPLB 25000		L1
	Dati Tecnici	Technical data	L2
	Dimensioni uscita CMS	CMS Output dimensions	L4
	Dimensioni uscita CMC	CMC Output dimensions	L6
	Dimensioni uscita CF	CF Output dimensions	L8
	Dimensioni uscita CFS	CFS Output dimensions	L10
	Dimensioni uscita CCPC	CCPC Output dimensions	L12
	Accessori	Accessories	L14
	Carichi in uscita	Output loads	L15
M	CPHL CHPLB 30000		M1
	Dati Tecnici	Technical data	M2
	Dimensioni uscita CMS	CMS Output dimensions	M4
	Dimensioni uscita CMC	CMC Output dimensions	M6
	Dimensioni uscita CF	CF Output dimensions	M8
	Dimensioni uscita CFS	CFS Output dimensions	M10
	Dimensioni uscita CCPC	CCPC Output dimensions	M12
	Accessori	Accessories	M14
	Carichi in uscita	Output loads	M15
N	CPHL CHPLB 35000		N1
	Dati Tecnici	Technical data	N2
	Dimensioni uscita CMS	CMS Output dimensions	N4
	Dimensioni uscita CMC	CMC Output dimensions	N6
	Dimensioni uscita CF	CF Output dimensions	N8
	Dimensioni uscita CFS	CFS Output dimensions	N10
	Dimensioni uscita CCPC	CCPC Output dimensions	N12
	Accessori	Accessories	N14
	Carichi in uscita	Output loads	N15

INDICE DEI CONTENUTI · INDEX OF CONTENT

P	APPENDICE	APPENDIX	P1
	Motori Elettrici	Electric Motors	P1
	Predisposizioni per Riduttori a Vite senza fine	Worm Gearboxes connections	P6
	Alberi maschio in entrata	Male input shafts	P7
	Predisposizioni per motori idraulici	Hydraulic motors connections	P8
	Freni idraulici	Hydraulic brakes	P10
	Condizioni generali di vendita	General sales conditions	P11





INTRODUZIONE · INTRODUCTION

Ingombri ridotti, elevata affidabilità e semplicità costruttiva sono tra le caratteristiche dei nuovi riduttori epicicloidali CHIARAVALLI.

Altro grande vantaggio è l'elevata modularità di configurazione che permette di assemblare in ingresso motori elettrici, idraulici, vite senza fine (serie CHM CHIARAVALLI) oppure alberi maschio cilindrici.

Diverse configurazioni di alberi e flange in uscita permettono l'utilizzo di questi riduttori in parecchie applicazioni industriali.

Disponibili nella versione lineare (CHPL) o in quella angolare (CHPLB), i riduttori epicicloidali della serie CHIARAVALLI comprendono 11 grandezze con coppie trasmissibili che vanno da 1000 Nm a 35000 Nm e rapporti di riduzione da 3.55:1 sino a 3422:1 e oltre per riduttori con più di 4 stadi di riduzione (ordinabili a richiesta).

I riduttori CHIARAVALLI sono normalmente forniti con fondo preparatorio per la verniciatura.

High reliability, compact volumes and easy construction are among the main characteristics of new CHIARAVALLI planetary gearboxes.

As one of the main advantages, our planetary gearboxes can be easily assembled with electric and hydraulic motors, worm gearboxes (CHM series) and input shafts.

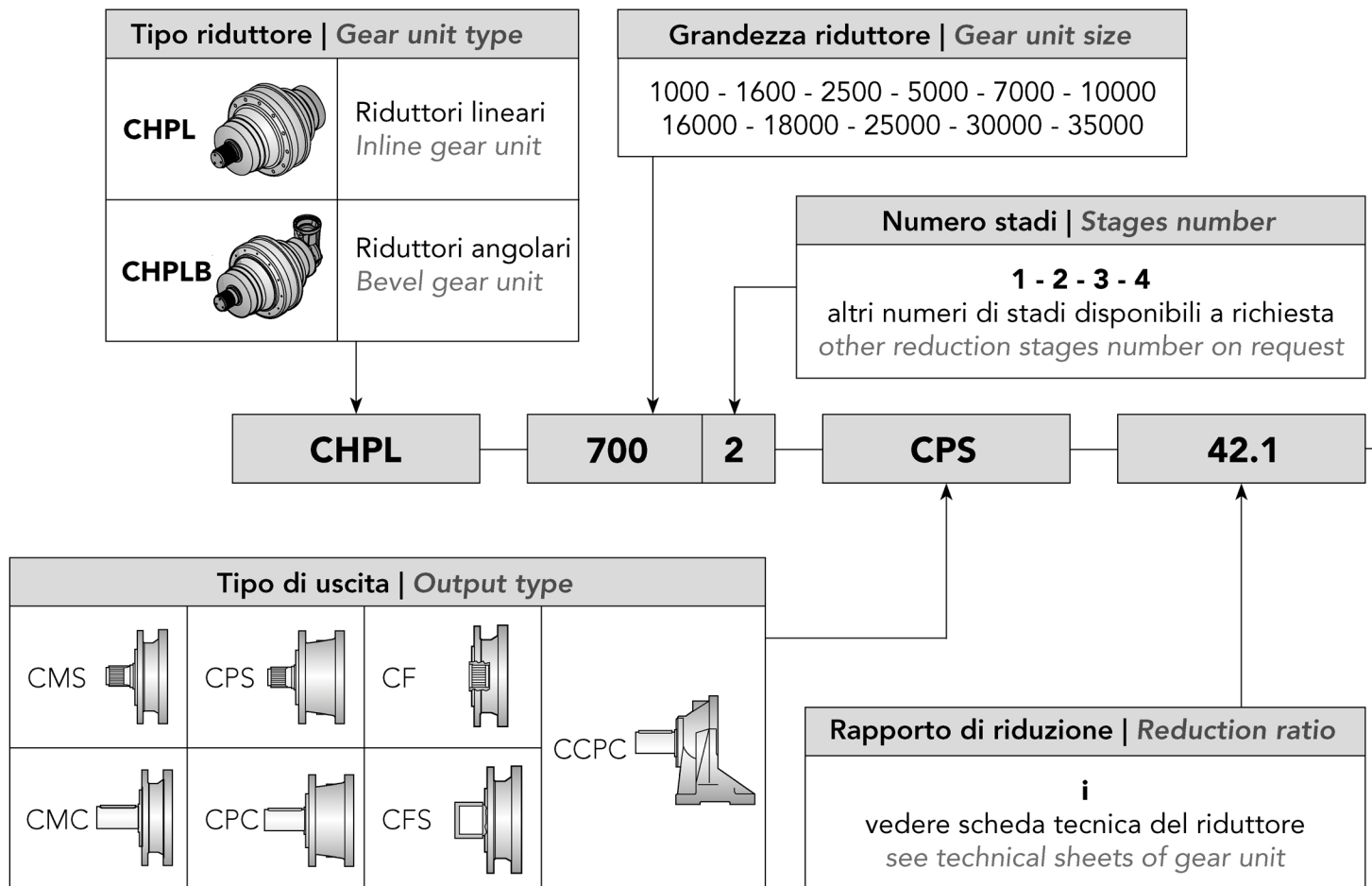
Furthermore, they can be assembled with different output flanges or shafts, all these characteristics make them suitable for several industrial applications.

CHIARAVALLI planetary gear boxes are available in linear version (CHPL) and angular one (CHPLB).

Our range covers 11 transmission sizes, from 1000 Nm up to 35000 Nm, rate reductions from 3.55:1 to 3422:1 and more with four reduction stages (these available upon request).

CHIARAVALLI planetary gearboxes are available at anti rusted treated blank surface ready to be painted.

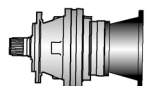
DESIGNAZIONE · DESIGNATION



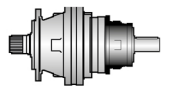
Esempio designazione | Example of designation:

1 CHPL 7002 CPS 42.1 IEC90 B5 CHYZ CHFF

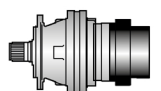
Riduttore epicicloidale in linea **CHPL**, taglia **7000** a **2** stadi, uscita tipo **CPS** e rapporto di riduzione **i=42.1**, in ingresso predisposizione per attacco motore elettrico **IEC90**.
Posizione di montaggio dell'intero gruppo **B5** e con accessori in uscita **CHYZ** e **CHFF**.
In line CHPL planetary gearbox, size 7000 with 2 stages, output flange CPS ratio i=42.1 and motor mounting flange for electrical motor IEC90.
Mounting position B5 with output accessories CHYZ and CHFF.

**2** CHPL 7002 CPS 42.1 CM42 B5 CHYZ CHFF

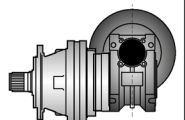
Riduttore epicicloidale in linea **CHPL**, taglia **7000** a **2** stadi, uscita tipo **CPS** e rapporto di riduzione **i=42.1**, in ingresso albero maschio **CM42**. Posizione di montaggio dell'intero gruppo **B5** e con accessori in uscita **CHYZ** e **CHFF**.
In line CHPL planetary gearbox, size 7000 with 2 stages, output flange CPS ratio i=42.1 and male shaft CM42.
Mounting position B5 with output accessories CHYZ and CHFF.

**3** CHPL 7002 CPS 42.1 H.2074.013.018 B5 CHYZ CHFF

Riduttore epicicloidale in linea **CHPL**, taglia **7000** a **2** stadi, uscita tipo **CPS** e rapporto di riduzione **i=42.1**, in ingresso predisposizione per montaggio motore idraulico cod.2074.013.018. SAUER-DANFOSS. Posizione di montaggio dell'intero gruppo **B5** e con accessori in uscita **CHYZ** e **CHFF**.
In line CHPL planetary gearbox, size 7000 with 2 stages, output flange CPS ratio i=42.1 and motor mounting flange for hydraulic motor code 2074.013.018 SAUDER DANFOS. Mounting position B5 with output accessories CHYZ and CHFF.

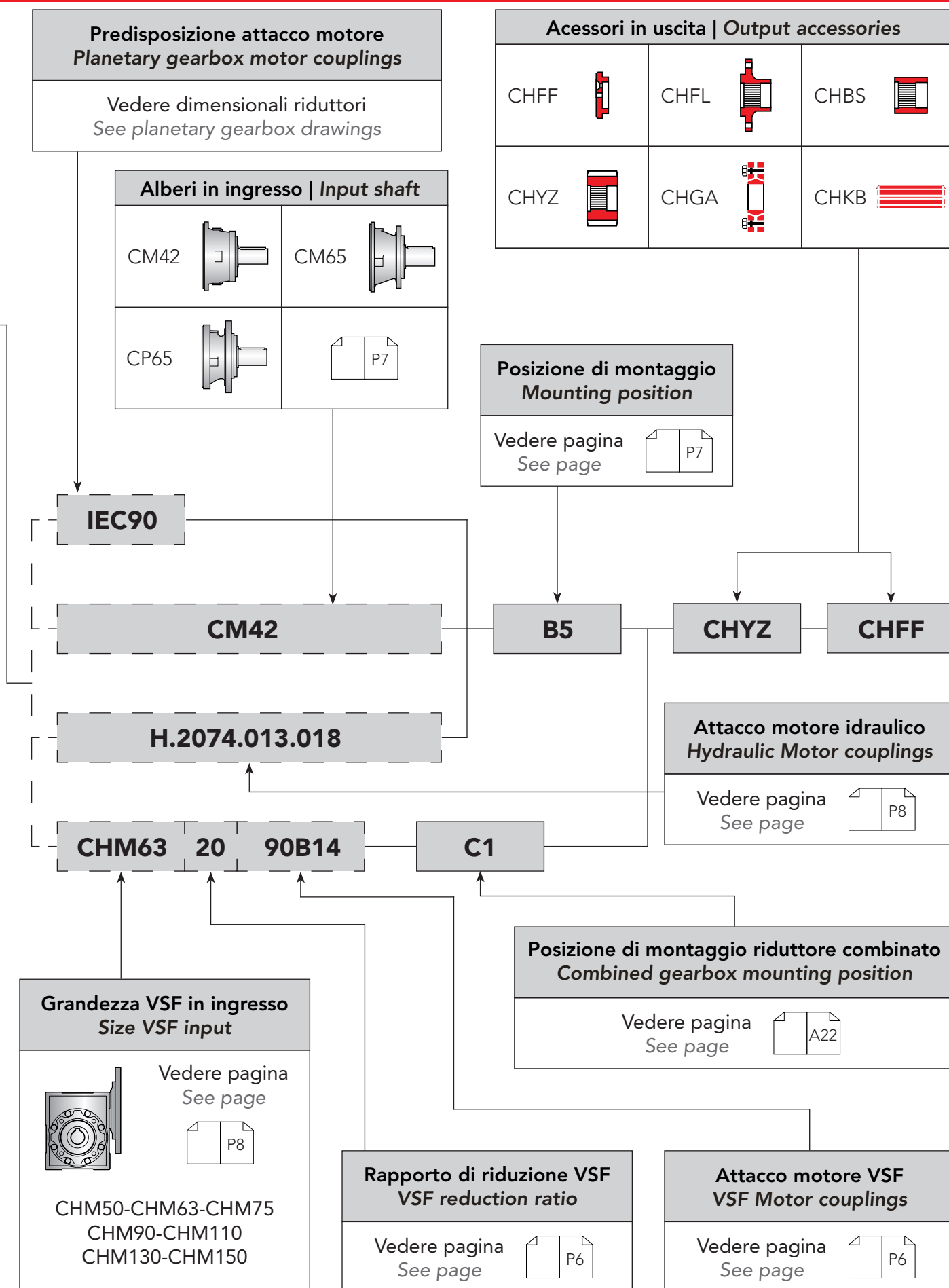
**4** CHPL 7002 CPS 42.1 CHM63 20 90B14 C1 CHYZ CHFF

Riduttore epicicloidale in linea **CHPL**, taglia **7000** a **2** stadi, uscita tipo **CPS** e rapporto di riduzione **i=42.1**, in ingresso riduttore **VSF CHM63** con **iVSF=20** e flangia motore **90B14**. Posizione di montaggio dell'intero gruppo **C1** e con accessori in uscita **CHYZ** e **CHFF**.
In line CHPL planetary gearbox, size 7000 at 2 stages, output flange CPS ratio i=42.1, input reducer VSF CHM63 iVSF=20 and motor mounting flange 90B14.
Mounting position C1 with output accessories CHYZ and CHFF.

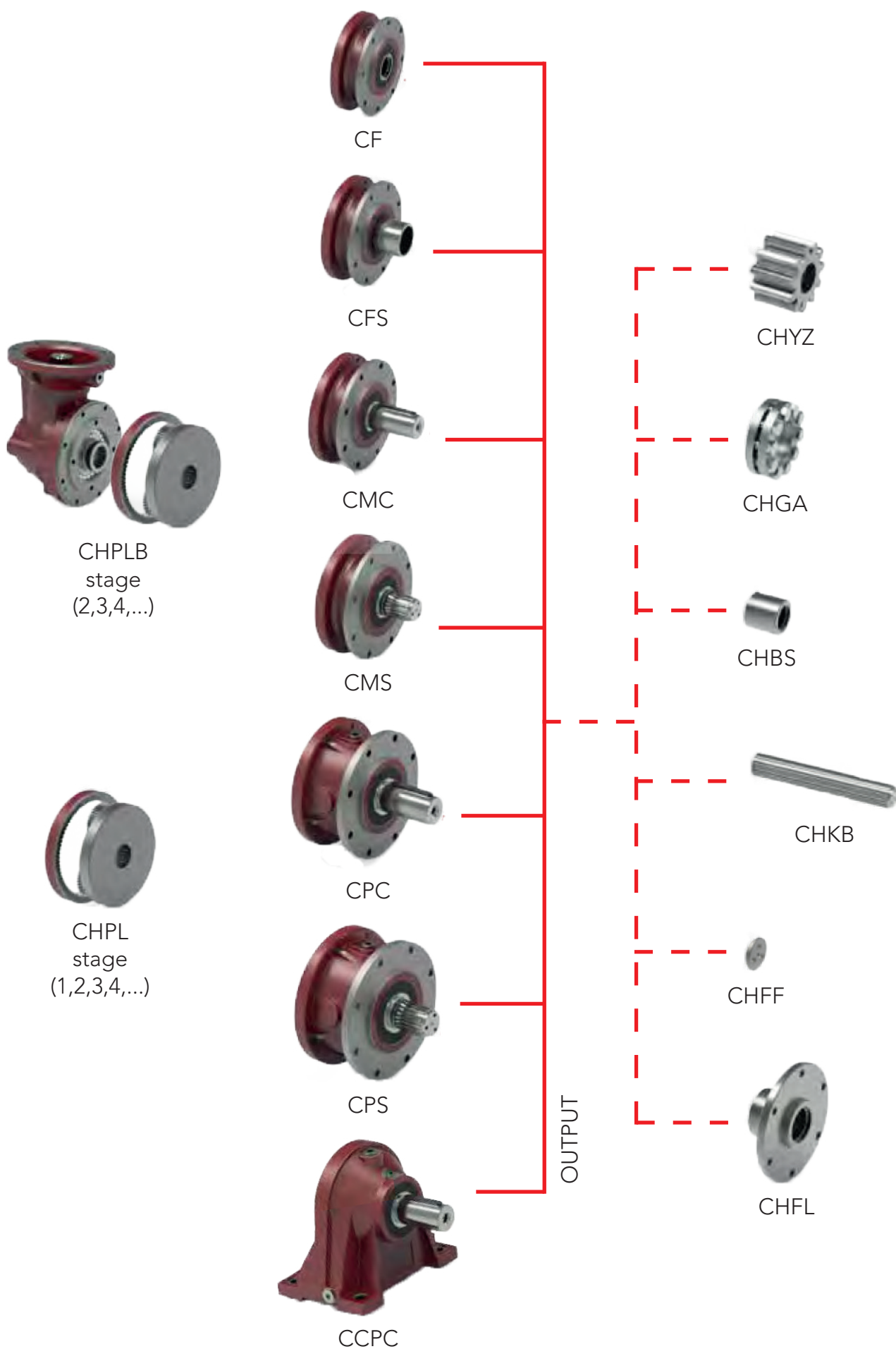




DESIGNAZIONE · DESIGNATION







CARATTERISTICHE TECNICHE · TECHNICAL FEATURES

Al fine di utilizzare al meglio il presente catalogo come strumento professionale, vengono di seguito riportate le definizioni dei parametri caratteristici che saranno utilizzati:

Rapporto di trasmissione**i**

Indica il rapporto tra la velocità di rotazione in ingresso n_1 e la velocità di rotazione n_2 ottenuta in uscita dal gruppo riduttore.

Velocità massima in entrata **n_{1max} [rpm]**

Indica la massima velocità di rotazione consentita in ingresso al riduttore, considerando il funzionamento intermittente e non continuo del gruppo.

Per applicazioni ove richiesto un funzionamento continuo del riduttore si prega di contattare il Servizio Tecnico CHIARAVALLI.

Coppia nominale in uscita **T_{2n} [Nm]**

Indica la coppia trasmessa dal riduttore calcolata secondo i limiti della norma internazionale ISO 6336 in condizioni di $F_s=1$.

Potenza nominale in ingresso **P_{1n} [kW]**

Indica la potenza meccanica installabile sul riduttore secondo i limiti della norma internazionale ISO 6336. Valori riferiti a 1400 rpm $F_s=1$.

Rendimento **μ [%]**

Indica il rendimento del riduttore tenendo conto delle perdite energetiche che si hanno durante il suo funzionamento. Mediamente il rendimento dei riduttori epicicloidali lineari (CHPL) è dello 0.97 - 0.98 % per stadio di riduzione; è leggermente inferiore nel caso di stadi di riduzione angolari (CHPLB).

Questo valore viene influenzato anche da altri fattori come l'alta velocità, la coppia, il rapporto di riduzione e la lubrificazione

Here we are going to describe the characteristics and information necessary in order to use this catalogue in the most suitable way for any kind of final usage of our gear units in any market or professional fields:

Reduction ratio**i**

Provide the ratio between input rotation speed n_1 and the output one n_2 in our planetary gearboxes.

Maximum input speed **n_{1max} [rpm]**

This indicates the maximum input speed rotation allowed, considering a non-continuous use.

Please contact CHIARAVALLI Technical dept. in case of continuous duty.

Nominal output torque **T_{2n} [Nm]**

This indicates the output torque values calculated according international ISO 6336 in $F_s=1$ conditions

Input nominal power **P_{1n} [kW]**

This indicates the mechanical power assembling on our planetary gear boxes according international ISO 6336. Ref. values to 1400 rpm $F_s=1$

Efficiency **μ [%]**

Give the value of the reducer efficiency considering the energy losses due to its normal usage. CHPL efficiency of our planetary gearboxes is about 0.97 – 0.98% for every reduction stage, while on CHPLB is a little less.

Note these values may be influenced by several factors as high speed, the torque, the ratio and the lubrication.



CARATTERISTICHE TECNICHE · TECHNICAL FEATURES

Coppia Massima $T_2\text{max}$ [Nm]

È il valore massimo di coppia che il riduttore può trasmettere per breve tempo senza che si verifichino danneggiamenti ai suoi componenti interni ed alla sua struttura. Tale valore deve essere considerato come una coppia massima dovuta a picchi o spunti di avviamento e mai come coppia di lavoro; il valore $T_2\text{max}$ deve inoltre essere opportunamente valutato in quegli azionamenti che comportano un elevato numero di avviamenti o inversioni. Il valore $T_2\text{max}$ è indicato nelle schede tecniche di prodotto.

Temperatura di funzionamento

t [°C]

La temperatura dell'olio deve essere compresa tra -15° e +90°C.

Per temperature di funzionamento al di fuori di questo intervallo si consigliano tenute in materiali specifici e oli adeguati fornibili su richiesta.

Contattare il Servizio Tecnico CHIARAVALLI.

Potenza termica

P_t [kW]

Indica la massima potenza dissipabile termicamente dal riduttore affinché la temperatura dell'olio e delle sue tenute rimanga entro i limiti consentiti.

Tale potenza si intende come dissipabile per convezione naturale dal corpo del riduttore stesso nell'ambiente in cui esso lavora e con lubrificazione interna a sbattimento.

I valori definiti per le potenze termiche, vengono considerati in condizioni di:

- Temperatura massima olio 90°C
- Olio ISO VG 150
- Temperatura ambiente 20°C.
- Posizione di montaggio orizzontale
- Servizio continuo
- $n_1=1400$ rpm

Per via della loro geometria i riduttori con uscita CCPC (uscita con piedi, fino alla taglia 16000), possono sopportare un incremento della potenza termica dal 10 al 15%.

Nel caso in cui la potenza installata superi quella termica sarà necessario l'utilizzo di un sistema di raffreddamento ausiliario in grado di dissipare la potenza termica in eccesso. Contattare il Servizio Tecnico CHIARAVALLI.

Materiali

Cassa Ghisa sferoidale
Ingranaggi 21NiCrMo2 temprati e cementati Trattamento 58/60 HRC

Maximum Torque $T_2\text{max}$ [Nm]

This is the maximum output torque that the drive can transmit over a brief time interval without damaging its internal components and structure. This value must be considered as the maximum output torque owing to working or start-up peaks and never as the continuous working torque. $T_2\text{max}$ must also be carefully evaluated in those applications with a high number of start-ups or reversals.

The $T_2\text{max}$ value is shown on the single product Technical cards.

Usage temperature

t [°C]

Oil temperature must be among -15° and +90°C.

For any different temperature usage, we warmly recommend particular/specific oil seals and oils available under request.

Please contact CHIARAVALLI Technical dept. for any info you might need.

Thermal power rating

P_t [kW]

Indication of the maximum power that can be dissipated by the gearbox keeping oil and oil seals under the allowed limits.

This power can be dissipated for natural convection from the housing gearbox to the ambience with normal turbulence lubrication.

The values here described of thermic power must be considered according:

- Oil max temperature 90°C
- Oil ISO VG 150
- Outside temperature 20°C
- Horizontal mounting position
- Continuous duty
- $n_1=1400$ rpm

Due to their geometry CCPC reducers (foot mounted up to size 16000) allow a thermal power increase of about 10 to 15%.

In case the installed power overcomes the thermal one, an external cooled system is necessary in order to dissipate the extra heat. Please contact CHIARAVALLI Technical dept. for any info you might need.

Materials

Spheroidal Cast Iron
Gears 21NiCrMo2 case hardened and tempered Hardness 58/60 HRC

CARATTERISTICHE TECNICHE · TECHNICAL FEATURES

Fattore di servizio

Fs

Indica il coefficiente di moltiplicazione della coppia o potenza in funzione delle condizioni di lavoro (carichi, avviamenti, ore di funzionamento, tipologia di motorizzazione e tipologia di applicazione).

Il fattore di servizio F_s può considerarsi influenzato principalmente da tre fattori:

- tipo di carico: U - M - H
- ore di lavoro giornaliere: h/day
- frequenza oraria avviamenti: na/h

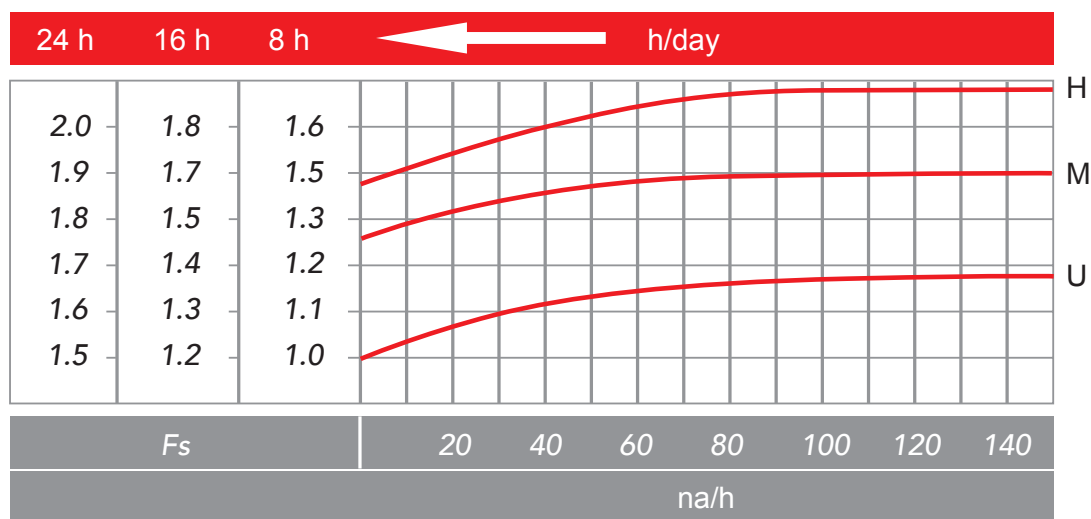
Service factor

Fs

This is a multiplication coefficient that indicates how much the torque and the power may be increased according any different working conditions.

Service Factor F_s may be influence by mainly 3 factors:

- type of load: U - M - H
- daily working hours: h/day
- hour frequency starter: na/h



U: Trasportatori a nastro per pesi leggeri
Pompe centrifughe
Elevatori
Imbottigliatrici

M: Trasportatori per materiali pesanti
Macchine imballaggio
Pompe a ingranaggi

H: Mescolatori
Elevatori a tazze
Macchine utensili
Macchine per laterizi
Vibratori

U: Conveyor belts for light weights
Centrifugal pumps
Lifts
Bottling machines

M: Conveyor belts for heavy weights
Packing machines
Gear pumps

H: Mixers
Bucket elevators
Tooling machines
Machinery for bricks
Vibrators



CARATTERISTICHE TECNICHE · TECHNICAL FEATURES

Scelta del riduttore

Il riduttore di velocità opera tra la parte motore, adibita alla generazione della coppia motrice, e la parte macchina che genera coppia resistente sul riduttore.

Per selezionare correttamente il riduttore occorrerà conoscere tipologie e caratteristiche del motore installato, potenza erogata, coppia erogata e velocità di funzionamento.

Per quanto concerne il lato macchina, occorrerà conoscere la tipologia di servizio, potenza/coppia assorbita, velocità di rotazione e ciclo di lavoro.

Con tali informazioni si vanno a definire:

- Coppia di lavoro T [Nm]
- Potenza installata P [kW]
- Rapporto di trasmissione i
- Carichi sull'albero in uscita e in entrata al riduttore F_r ; F_a [N]

In seguito si andranno a verificare i parametri che caratterizzano il riduttore.

- Coppia di lavoro, tenendo conto del fattore di servizio F_s $T \cdot F_s \leq T_{2n}$
- Potenza installata, tenendo conto del fattore di servizio F_s $P \cdot F_s \leq P_{1n}$
- Velocità in ingresso al riduttore $n_1 < n_{1max}$
- Potenza da trasmettere $< P_t$
(se in servizio continuo)
- Carichi sull'albero in uscita e in entrata al riduttore F_r ; F_a [N]
- Condizioni di lubrificazione e temperatura ambiente

Planetary gearboxes selection

The unit works between the input motor part, that creates the torque, and the final equipment.

To select the more suitable gearbox in any final usage, it is necessary to have the type and the characteristics of the mounted motor, the power, the torque and the working speed.

Concerning the driven machine it is necessary to know the type of operation, power and torque requested, speed and duty.

According with these informations we define together:

- Working torque T [Nm]
- Mounted power P [kW]
- Ratio i
- Radial and axial loads on input and output shafts F_r ; F_a [N]

Consequently the gearbox parameters will be defined

- Working torque considering F_s where $T \cdot F_s \leq T_{2n}$
- Mounted power considering F_s where $P \cdot F_s \leq P_{1n}$
- Input speed $n_1 < n_{1max}$
- Requested Power $< P_t$
(for continuous duty)
- Radial and axial loads on input and output shafts F_r ; F_a [N]
- Lubrication and room temperature

INSTALLAZIONE E MANUTENZIONE · INSTALLATION AND MAINTENANCE

Installazione e manutenzione

Per ottenere le migliori prestazioni dal riduttore, si consiglia di provvedere ad un adeguato rodaggio dello stesso incrementando la potenza gradualmente nelle prime ore di funzionamento.

In questa fase un aumento delle temperature è da considerarsi nella norma. In caso di funzionamento difettoso, rumorosità, perdite olio etc. arrestare immediatamente il riduttore e, dove possibile, rimuovere la causa e contattare il Servizio Tecnico CHIARAVALLI.

Prima e durante l'installazione effettuare i seguenti controlli:

- I dati riportati sulla targhetta identificativa devono corrispondere al riduttore ordinato.
- Il livello dell'olio dovrà corrispondere alla quantità prevista per la posizione di montaggio richiesta (vedi paragrafo "Lubrificazione").
- Il fissaggio del riduttore deve avvenire su superfici piane e sufficientemente rigide in modo da evitare qualsiasi vibrazione.
- Il riduttore e l'asse della macchina da movimentare devono essere in perfetto allineamento.
- In caso si prevedano urti, sovraccarichi o blocchi della macchina il cliente dovrà provvedere all'installazione di limitatori, giunti, salvamotori etc.
- Gli accoppiamenti con pignoni, giunti, pulegge ed altri organi devono essere fatti previa pulizia delle parti ed evitando urti nel montaggio poiché questo potrebbe danneggiare i cuscinetti ed altre parti interne.
- Nel caso il motore sia di fornitura del cliente questi dovrà accertarsi che le tolleranze di flangia ed albero corrispondano ad una classe "normale", i nostri motori rispondono a questa esigenza.
- Verificare che le viti di fissaggio del riduttore e dei relativi accessori siano correttamente serrate.
- Adottare gli opportuni accorgimenti per proteggere i gruppi da eventuali agenti atmosferici aggressivi.
- Dove previsto proteggere le parti rotanti da possibili contatti con gli operatori.
- Nel caso i riduttori vengano verniciati proteggere gli anelli di tenuta ed i piani lavorati.

Nel caso di applicazioni in cui sia richiesto l'utilizzo di motori con massa superiore ai 100 kg, si consiglia di contattare il Servizio Tecnico CHIARAVALLI.

Nel caso di lunga conservazione a magazzino, superiore ai tre mesi, si consiglia di proteggere alberi e piani lavorati con antiossidanti e di ingrassare gli anelli di tenuta.

Run-in and maintenance

In order to achieve the best gearbox performances, during the run-in, we warmly recommend to increase the power step by step and strictly control the temperature.

During this period an increase of temperature must be considered normal.

In any case of defected drive, noise, oil losses please immediately stop the gear box unit, if possible remove the problem and contact CHIARAVALLI Technical department.

Before and during the first run-in please check:

- The data shown on the identification nameplate must correspond to the gearbox ordered.
- The oil level depends on the mounting position requested (see section LUBRICATION).
- The gearbox must be on a flat surface that is sufficiently rigid in order to avoid any vibration.
- The gearbox and the axis of the machine to be driven must be perfectly aligned.
- In the event that knocks, overloading or blockage of the machine are foreseen, the customer must install a limit device, couplings overload cut-out etc.
- Coupling with pinions, joints, pulleys and other parts must be done after the parts have been cleaned and knocks should be avoided while assembling as they could damage the bearings and other internal parts.
- In the event that the motor is supplied by the customer, he must check that the flange and shaft tolerances correspond to a "normal" class; our motors satisfy this requirement.
- Verify that the fixing screws for the gear and the related accessories are correctly tightened.
- Take suitable measures to protect the groups from any aggressive atmospheric agents.
- Where foreseen, protect rotating parts from any possible contact with the operators.
- If the gearboxes are painted, protect the oil seals and the machined surface.

As the application requires the assembling of a motor over 100 kg, we suggest to contact CHIARAVALLI Technical department for further information.

In case of long storage in warehouse, for example more than 3 months, please protect the shafts and the machined surfaces using antioxidants and grease the oil seals.



INSTALLAZIONE E MANUTENZIONE · INSTALLATION AND MAINTENANCE

Gruppi con fissaggio a flangia/piedi

Uscite maschio tipo CMS - CMC - CPS - CPC

E' necessario utilizzare sempre tutti i centraggi previsti sugli alberi scanalati, specie per applicazioni in cui sono adottati pignoni dentati.

Per le uscite maschio si consiglia di adottare entrambi i centraggi delle flange d'attacco, nel caso in cui i carichi radiali superino del 50% i valori indicati nei relativi grafici (vedere singole schede grandezza riduttore).

Nel caso di applicazioni gravose con forti sollecitazioni sia sull'albero in ingresso che sull'albero in uscita è consigliabile contattare il Servizio Tecnico CHIARAVALLI.

Uscite maschio con piedi CCPC

Per le uscite con piedi è necessario controllare i piani della struttura d'appoggio in modo da creare un perfetto allineamento tra il riduttore e l'albero da movimentare. In caso di difficoltà si consiglia di effettuare il collegamento tramite un giunto elastico. Una volta installato il riduttore verificare che non ci siano vibrazioni anomale.

Uscite femmina tipo CF

Per le uscite femmina scanalate è necessario verificare in modo accurato la coassialità/ortogonalità con l'albero di trasmissione. Per via della loro struttura queste tipologie di uscite non sono adatte a sopportare carichi radiali.

Uscite con calettatore a montaggio pendolare CFS

Tale uscita necessita l'adozione di un opportuno calettatore (fornibile su richiesta) per collegare l'albero cavo del riduttore all'albero maschio della macchina.

Per tale accoppiamento sgrassare accuratamente le superfici interessate, procedere all'avvitamento delle viti del calettatore in modo graduale e una alla volta.

E' importante verificare che l'albero maschio da calettare rispetti le dimensioni e le tolleranze riportate nelle relative pagine dimensionali.

Per l'installazione dell'uscita CFS è possibile utilizzare il braccio di reazione come indicato nelle relative schede tecniche; si consiglia l'utilizzo di bracci di reazione con elementi antivibranti.

Nel caso di applicazioni in cui sia richiesto l'utilizzo di motorizzazioni particolarmente pesanti o si utilizzino cinghie sul lato entrata, si consiglia di contattare il Servizio Tecnico CHIARAVALLI.

Unit with flange/feet clamping

Male output CMS - CMC - CPS - CPC

When tooth pinions are mounted, the spigots on the splined output shafts must be used.

For these kind of units, when the radial loads are 50% higher than values indicate in the tables (please check tables in the following pages), we warmly suggest to use both spigots of the flanges.

In case of heavy applications, contact CHIARAVALLI Technical department for further information.

Male output with feet CCPC

For these gearboxes please check the properly aligned between the gear unit and the operating shaft, use a flexible coupling in case of difficulties, finally please check the vibrations.

Female output CF

Carefully check the gearbox concentricity and perpendicularity, this must be in line with the axis of the driven shaft. Due to this characteristic CF type is not suitable for radial load.

Shaft mounted output with locking element type CFS

For this type it is necessary to use a suitable locking element (available on request) to connect the gearbox hollow shaft with the operating shaft. In this case properly degrease the internal surface, then proceed tightening the locking screws in a gradual, uniform and continuous sequence one by one.

Check the tolerances and the dimensions provided on each drawing of the operating shaft.

CFS output can be mounted with a torque arm as indicate on the technical tables, we suggest using torque arms with antivibration rubber elements.

In case of heavy applications or with belts on the input side, please contact CHIARAVALLI Technical department for further information.

LUBRIFICAZIONE · LUBRICATION

La lubrificazione degli organi interni è indispensabile per garantire il buon funzionamento e la corretta durata del riduttore CHIARAVALLI.

Si consiglia pertanto di effettuare le seguenti verifiche:

- **POSIZIONE ORIZZONTALE:**
indipendentemente dalla versione lineare o angolare è importante verificare che l'olio raggiunga la mezzeria del riduttore.
- **POSIZIONE VERTICALE:**
in questa posizione è molto importante verificare che il cuscinetto e l'anello di tenuta che si trovano nel punto superiore del gruppo siano costantemente a contatto con l'olio.
E' consigliato installare il vaso di espansione (fornibile su richiesta) in modo da prevenire eventuali espansioni dell'olio con l'aumentare della temperatura. In caso di impossibilità di installazione del vaso consigliamo l'utilizzo di appositi raccordi e prolunghe in modo da garantire il corretto livello dell'olio (verificare sempre l'assenza di bolle d'aria in fase di riempimento d'olio).

Accertarsi che il riduttore abbia i tappi montati nei punti coerenti alla relativa posizione di montaggio come successivamente indicato.

Durante il funzionamento la superficie esterna del riduttore deve restare sotto i 90°C.

In caso di applicazioni con elevate temperature contattare il Servizio Tecnico CHIARAVALLI.

Cambio olio

Si consiglia di effettuare il primo cambio dell'olio dopo 100 h di funzionamento.

Per quelli successivi considerare circa 2000 h di utilizzo o comunque almeno una volta all'anno.

Durante la vita del riduttore, controllare visivamente che non vi siano perdite o trafilamenti di olio.

Se l'olio scende al di sotto del livello minimo, effettuare un rabbocco con il medesimo olio precedentemente utilizzato.

E' importante non mischiare lubrificanti con caratteristiche differenti.

E' opportuno eseguire il cambio dell'olio quando il riduttore è ancora caldo in modo da evitare possibili depositi e sedimenti solidi all'interno del corpo del riduttore stesso. Si consiglia inoltre, una volta svuotato il riduttore dall'olio esausto, di effettuare un lavaggio dell'interno con un apposito detergente indicato dal fornitore del lubrificante che si andrà ad adottare.

In order to make the CHIARAVALLI planetary gearboxes run efficiently we recommend a correct lubrication following these simple suggestions:

- **HORIZONTAL POSITION:**
no matter if linear or angular version, the oil must reach the half of the gearbox.
- **VERTICAL POSITION:**
In this position the bearings and the oil seals must be continuously in contact with oil.
We suggest to use an expansion tank (available on request) to avoid any oil spread at the increase of temperature.
In some cases the assembling of the tank is not allowed, so we suggest to use suitable extensions and pipes to guarantee the correct oil level (please check any possible air bubble while filling the oil).

Check the correct position of the plugs according the assembling position as we indicate beyond.

Maximum external surface gearbox temperature must be under 90°C.

Please contact CHIARAVALLI Technical department for any different case.

Oil changes

We suggest the first change after 100h of work, then please consider 2000 running hours or at least once per year.

During the gearbox life periodically check the oil level and possible oil leakages.

Please fill extra oil in case of lack or under minimum level without changing the type of oil.

Do never mix the type of oil.

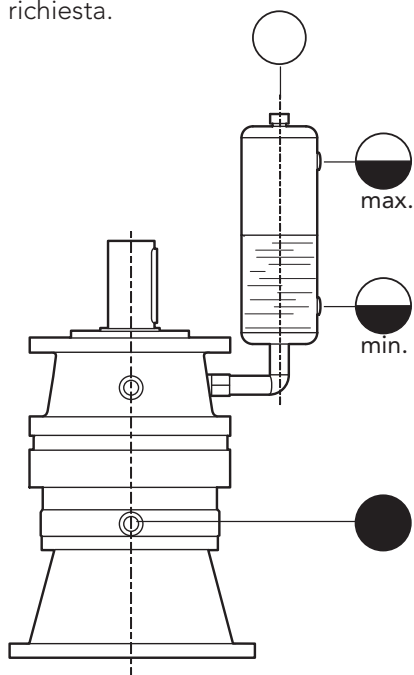
To avoid sediment change the oil when the reducer is still warm, clean the internal parts using only the correct and recommend detergent after empty the reducer.



LUBRIFICAZIONE · LUBRICATION

Vaso di espansione

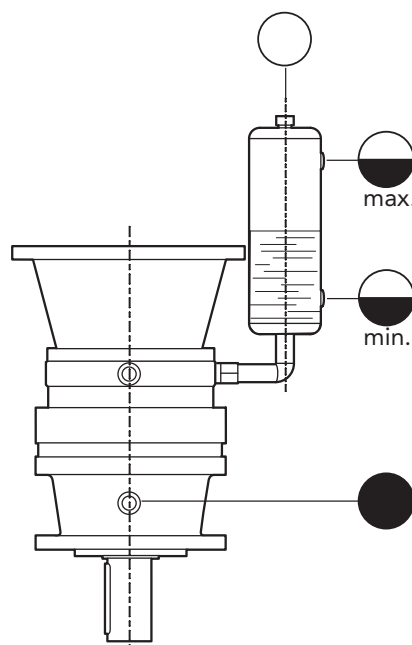
Per i gruppi montati in posizione verticale (lineari CHPL o angolari CHPLB) e in posizione orizzontale con la coppia conica rivolta verso l'alto, si consiglia l'utilizzo del vaso di espansione. Il vaso va posizionato al di sopra del punto più alto del riduttore ed ha il compito di contenere eventuali espansioni dell'olio all'aumentare della temperatura e garantire un rabbocco sicuro. Tale accessorio può essere fornito su richiesta.



Riduttore assiale verticale con ingresso inferiore.
Axial gearbox vertical position with lower input.

Expansion tank

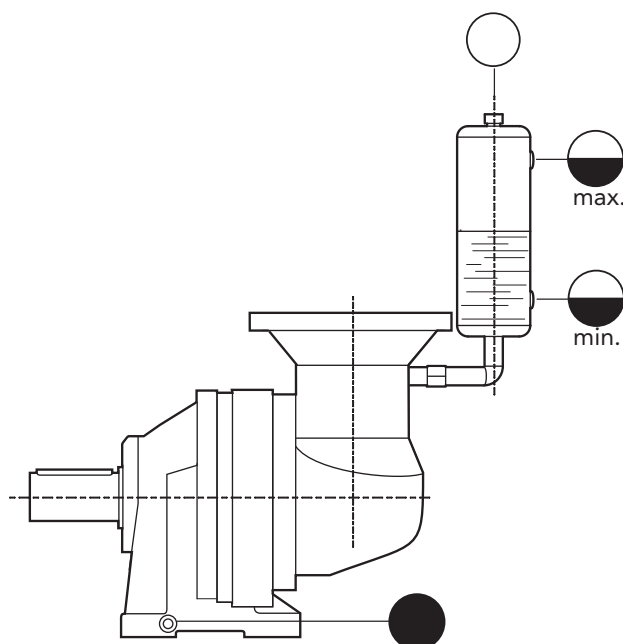
Use the expansion tank for the CHPL and CHPLB groups mounting in vertical position and in horizontal position when the bevel gear is upside assembled. Put the tank on the gearbox higher point to control any oil spread due to temperature increasing and fill the reducer properly. This item is available on request.



Riduttore assiale verticale con ingresso superiore.
Axial gearbox vertical position with upper input.



- | | |
|--|--|
| | Tappo di carico/sfiato olio
Oil filling/vent plug |
| | Tappo di livello olio
Oil level plug |
| | Tappo di scarico olio
(magnetico)
Oil drain plug
(magnetic) |



Riduttore angolare orizzontale con ingresso superiore.
Bevel gearbox horizontal position with upper input.

LUBRIFICAZIONE · LUBRICATION

Smaltimento olio esausto

In fase di smaltimento degli oli esausti, è obbligatorio usare tutte le cautele per non inquinare suolo, aria e acqua. L'olio esausto, non deve essere inquinato da altre sostanze estranee e deve obbligatoriamente essere smaltito in appositi centri autorizzati, il tutto nel rispetto delle normative vigenti.

Lubrificante

CHIARAVALLI consiglia l'uso di oli per ingranaggi con additivi EP (elevate pressioni) ed antischiuma. Per applicazioni ad elevate temperature, si consiglia l'utilizzo di oli sintetici a base polialfaolefina (PAO) o a base poliglicole (PG).

Nella tabella successiva suggeriamo alcuni oli idonei alla lubrificazione in funzione della temperatura d'utilizzo.

Exhausted oil disposing

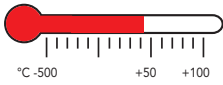
According the local environmental protection laws and regulations adopt precaution necessary to avoid to pollute ground, air and water.

The exhausted oil must be not contaminated by any other substance and should be sent to specialised companies for recycling when possible.

Lubricant

CHIARAVALLI technical dept. suggests the use of EP oil with additives and antifoam. In case of high temperature please use PAO synthetic or PG oils.

In the following table check some useful oils according the working temperature.

	Temperatura ambiente / Ambient temperature [°C]								
	Olio minerale Mineral Oil			Olio sintetico Polialfaolefina (PAO) Poly-alpha-Olefin Syntetic Oil (PAO)			Olio sintetico Poliglicoli (PG) Poly-glycol Syntetic Oil (PG)		
	-10 ÷ +30+	10 ÷ +45+	30 ÷ +60-	20 ÷ +60-			20 ÷ +60		
ISO 3448I	SO VG 150I	SO VG 220I	SO VG 320I	SO VG 150I	SO VG 220I	SO VG 320I	SO VG 150I	SO VG 220I	SO VG 320
 AGIP	Blasia 150	Blasia 220	Blasia 320	-	Blasia SX 220	Blasia SX 320	Blasia S 150	Blasia S 220	Blasia S 320
 ESSO	Spartan EP 150	Spartan EP 220	Spartan EP 320	Spartan S EP 150	Spartan S EP 220	Spartan S EP 320	Glycolube 150	Glycolube 220	Glycolube 320
 MOBIL	Mobilgear XMP 150	Mobilgear XMP 220	Mobilgear XMP 320	Mobilgear SHC XMP 150	Mobilgear SHC XMP 220	Mobilgear SHC XMP 320	Glygoyle 22	Glygoyle 30	Glygoyle HE 320
 SHELL	Omala S2G 150	Omala S2G 220	Omala S2G 320	Omala S4GX 150	Omala S4GX 220	Omala S4GX 320	Omala S4WE 150	Omala S4WE 220	Omala S4WE 320



La viscosità aumenta al diminuire della temperatura (diventa più denso) e diminuisce all'aumentare delle temperatura (diventa più fluido).
The viscosity of the lubricant decrease as the temperature rises and increase as the temperature drops.



LUBRIFICAZIONE · LUBRICATION

Quantità lubrificante

I quantitativi di olio di seguito riportati sono indicativi e soggetti a variazioni in funzione della configurazione del riduttore. Indipendentemente dai quantitativi di seguito riportati, controllare sempre visivamente che l'olio raggiunga il livello corretto come precedentemente indicato.

Lubricant quantity

The data in the table here below are indicative and may change according the gearbox mounting position.

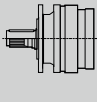
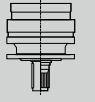
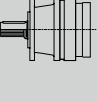
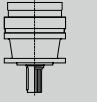
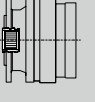
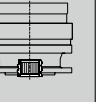
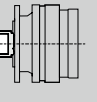
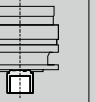
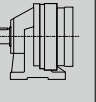
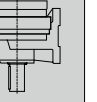
Please always check the oil level following the previous suggestions.

CHPL riduttori assiali | axial gearboxes 1000 ÷ 10000

		Tipo di uscita / Output type									
		CMS - CMC		CPS - CPC		CF		CFS		CCPC	
											
											
		[I]	[I]	[I]	[I]	[I]	[I]	[I]	[I]	[I]	[I]
CHPL	1001	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.8	1.6
	1002	0.7	1.4	0.7	1.4	0.7	1.4	0.7	1.4	1.0	2.0
	1003	0.9	1.8	0.9	1.8	0.9	1.8	0.9	1.8	1.2	2.4
	1004	1.1	2.2	1.1	2.2	1.1	2.2	1.1	2.2	1.4	2.8
CHPL	1601	0.6	1.2	0.6	1.2	0.6	1.2	0.6	1.2	0.9	1.8
	1602	0.8	1.6	0.8	1.6	0.8	1.6	0.8	1.6	1.1	2.2
	1603	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	1.3	2.6
	1604	1.2	2.4	1.2	2.4	1.2	2.4	1.2	2.4	1.5	3.0
CHPL	2501	1.0	2.0	1.2	2.4	0.8	1.6	1.0	2.0	1.5	3.0
	2502	1.3	2.6	1.5	3.0	1.1	2.2	1.3	2.6	1.8	3.6
	2503	1.5	3.0	1.7	3.4	1.3	2.6	1.5	3.0	2.0	4.0
	2504	1.7	3.4	1.9	3.8	1.5	3.0	1.5	3.0	2.2	4.4
CHPL	5001	1.1	2.2	1.3	2.6	0.9	1.8	1.1	2.2	1.6	3.2
	5002	1.5	3.0	1.7	3.4	1.3	2.6	1.5	3.0	2.0	4.0
	5003	1.8	3.6	2.0	4.0	1.6	3.2	1.8	3.6	2.3	4.6
	5004	2.0	4.0	2.2	4.4	1.8	3.6	2.0	4.0	2.5	5.0
CHPL	7001	-	-	1.6	3.2	1.6	3.2	1.6	3.2	2.4	4.8
	7002	-	-	2.0	4.0	2.0	4.0	2.0	4.0	2.8	5.6
	7003	-	-	2.3	4.6	2.3	4.6	2.3	4.6	3.1	6.2
	7004	-	-	2.5	5.0	2.5	5.0	2.5	5.0	3.3	6.6
CHPL	10001	2.4	4.8	-	-	2.2	4.4	2.4	4.8	3.6	7.2
	10002	3.1	6.2	-	-	2.9	5.8	3.1	6.2	4.3	8.6
	10003	3.5	7.0	-	-	3.3	6.6	3.5	7.0	4.7	9.4
	10004	3.8	7.6	-	-	3.6	7.2	3.8	7.6	5.0	10.0

QUANTITA' LUBRIFICANTE · LUBRICATION QUANTITY

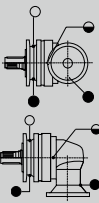
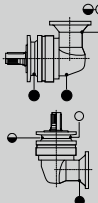
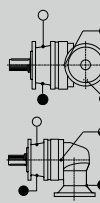
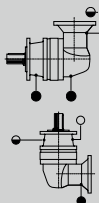
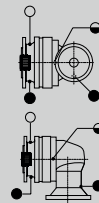
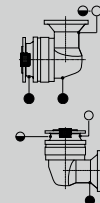
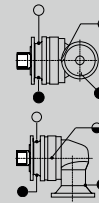
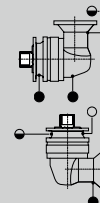
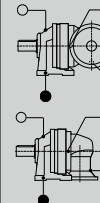
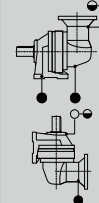
CHPL riduttori assiali | axial gearboxes 16000 ÷ 35000

		Tipo di uscita / Output type									
		CMS - CMC		CPS - CPC		CF		CFS		CCPC	
											
											
		[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
CHPL	16001	2.6	5.2	4.3	8.6	1.9	3.8	2.6	5.2	3.9	7.8
	16002	3.3	6.6	5.0	10.0	2.6	5.2	3.3	6.6	4.6	9.2
	16003	3.7	7.4	5.4	10.8	3.0	6.0	3.7	7.4	5.0	10.0
	16004	4.0	8.0	5.7	11.4	3.3	6.6	4.0	8.0	5.3	10.6
CHPL	18002	3.9	7.8	5.6	11.2	3.2	6.4	3.9	7.8	5.2	10.4
	18003	4.6	9.2	6.3	12.6	3.9	7.8	4.6	9.2	5.9	11.8
	18004	4.9	9.8	6.6	13.2	4.2	8.4	4.9	9.8	6.2	12.4
CHPL	25001	3.7	7.4	-	-	2.9	5.8	2.9	5.8	3.7	7.4
	25002	4.6	9.2	-	-	3.8	7.6	3.8	7.6	4.6	9.2
	25003	5.0	10.0	-	-	4.2	8.4	4.2	8.4	5.0	10.0
	25004	5.3	10.6	-	-	4.5	9.0	4.5	9.0	5.3	10.6
CHPL	30002	5.3	10.6	-	-	4.5	9.0	4.5	9.0	5.3	10.6
	30003	5.8	11.6	-	-	5.0	10.0	5.0	10.0	5.8	11.6
	30004	6.1	12.2	-	-	5.3	10.6	5.3	10.6	6.1	12.2
CHPL	35001	4.0	8.0	-	-	3.3	6.6	3.3	6.6	4.0	8.0
	35002	5.5	11.0	-	-	4.7	9.4	4.7	9.4	5.5	11.0
	35003	6.0	12.0	-	-	5.2	10.4	5.2	10.4	6.0	12.0
	35004	6.3	12.6	-	-	5.5	11.0	5.5	11.0	6.3	12.6

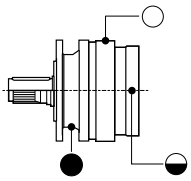
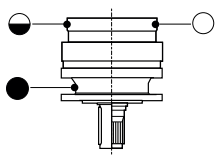
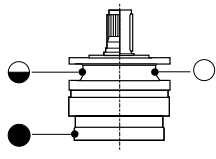
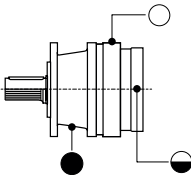
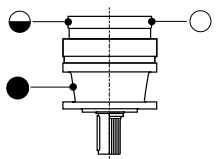
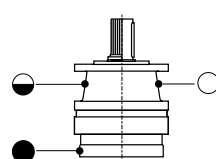
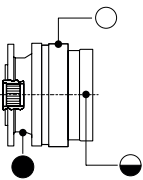
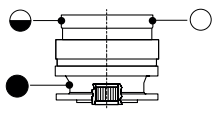
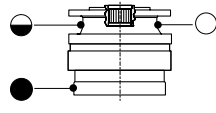
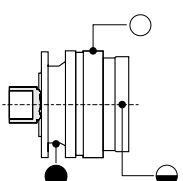
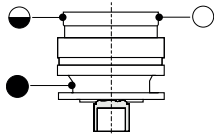
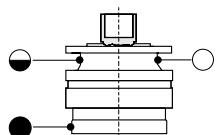
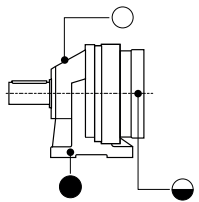
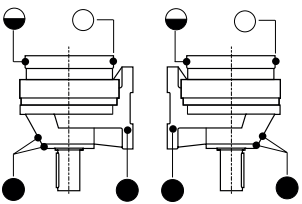
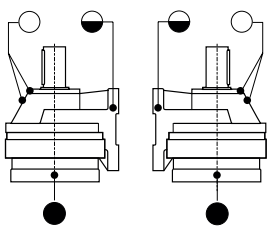
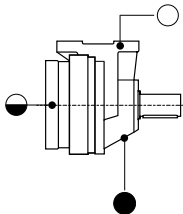
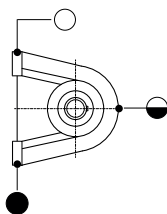
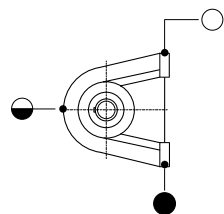


QUANTITA' LUBRIFICANTE · LUBRICATION QUANTITY

CHPL riduttori assiali | axial gearboxes 1000 ÷ 35000

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		CMS - CMC		CPS - CPC		CF		CFS		CCPC	
											
CHPLB	1002	2	4	2	4	2.0	4.0	2.0	4.0	2.3	4.6
	1003	2.2	4.4	2.2	4.4	2.2	4.4	2.2	4.4	2.5	5.0
	1004	2.4	4.8	2.4	4.8	2.4	4.8	2.4	4.8	2.7	5.4
CHPLB	1602	2.1	4.2	2.1	4.2	2.1	4.2	2.1	4.2	2.4	4.8
	1603	2.3	4.6	2.3	4.6	2.3	4.6	2.3	4.6	2.6	5.2
	1604	2.5	5.0	2.5	5.0	2.5	5.0	2.5	5.0	2.8	5.6
CHPLB	2502	2.6	5.2	3.8	7.6	2.4	4.8	2.6	5.2	3.1	6.2
	2503	2.8	5.6	3.0	6.0	2.6	5.2	2.8	5.6	3.3	6.6
	2504	3.0	6.0	3.2	6.4	2.8	5.6	3.0	6.0	3.5	7.0
CHPLB	5002	3.1	6.2	3.3	6.6	2.9	5.8	3.1	6.2	3.6	7.2
	5003	3.2	6.4	3.4	6.8	3.3	6.6	3.2	6.4	3.7	7.4
	5004	3.3	6.6	3.5	7.0	3.1	6.2	3.3	6.6	3.8	7.6
CHPLB	7002	-	-	3.6	7.2	3.6	7.2	3.6	7.2	4.4	8.8
	7003	-	-	3.8	7.6	3.8	7.6	3.8	7.6	4.6	9.2
	7004	-	-	4.0	8.0	4.0	8.0	4.0	8.0	4.8	9.6
CHPLB	10002	4.4	8.8	-	-	4.2	8.4	4.4	8.8	5.6	11.2
	10003	5.1	10.2	-	-	4.9	9.8	5.1	10.2	6.3	12.6
	10004	6.5	13.0	-	-	5.5	11.0	6.5	13.0	7.7	15.4
CHPLB	16002	4.6	9.2	6.3	12.6	3.9	7.8	4.6	9.2	5.9	11.8
	16003	5.3	10.6	7.0	14.0	4.6	9.2	5.3	10.6	6.6	13.2
	16004	6.5	13.0	7.3	14.6	5.8	11.6	6.5	13.0	7.8	15.6
CHPLB	18002	5.6	11.2	7.3	14.6	4.9	9.8	5.6	11.2	6.9	13.8
	18003	5.9	11.8	7.6	15.2	5.2	10.4	5.9	11.8	7.2	14.4
	18004	6.6	13.2	8.3	16.6	5.9	11.8	6.6	13.2	7.9	15.8
CHPLB	25002	9.1	18.2	-	-	8.3	16.6	8.3	16.6	9.1	18.2
	25003	6.6	13.2	-	-	5.8	11.6	5.8	11.6	6.6	13.2
	25004	7.0	14.0	-	-	6.2	12.4	6.2	12.4	7.0	14.0
CHPLB	30003	10.2	20.4	-	-	9.4	18.8	9.4	18.8	10.2	20.4
	30004	8.2	16.4	-	-	7.0	14.0	7.0	14.0	8.2	16.4
CHPLB	35002	6.7	13.4	-	-	5.8	11.6	5.8	11.6	6.7	13.4
	35003	10.2	20.4	-	-	9.4	18.8	9.4	18.8	10.2	20.4
	35004	8.2	16.4	-	-	7.0	14.0	7.0	14.0	8.2	16.4

POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC			
	B5 (A)	V1 (B)	V3 (C)
CPS CPC			
	B5 (A)	V1 (B)	V3 (C)
CF			
	B5 (A)	V1 (B)	V3 (C)
CFS			
	B5 (A)	V1 (B)	V3 (C)
CCPC			
	B3 (A)	V2 (B)	V4 (C)
			
	B8 (D)	B6 (E)	B7 (F)



Tappo di carico/sfiato
olio
Oil filling/vent plug



Tappo di livello olio
Oil level plug



Tappo di scarico olio
(magnetico)
Oil drain plug
(magnetic)



L'orientamento della
foratura della flangia
di fissaggio è come
illustrato nelle sche-
de dei dati dimension-
ali dei riduttori.

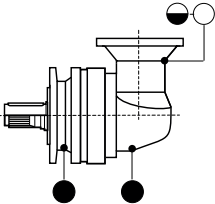
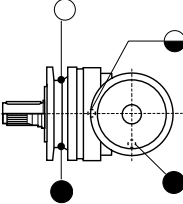
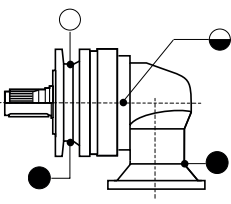
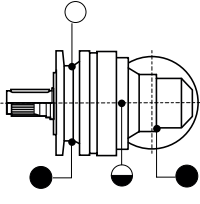
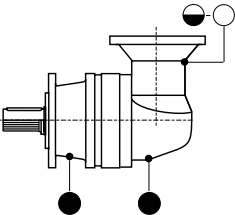
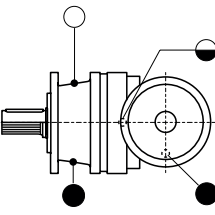
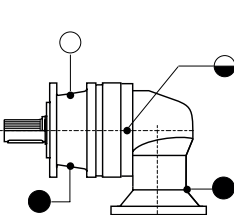
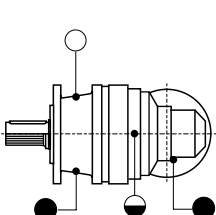
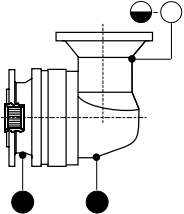
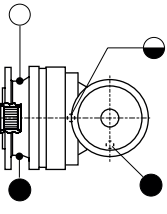
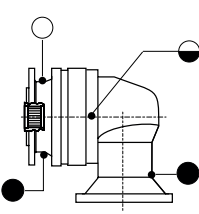
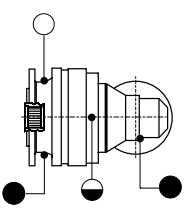
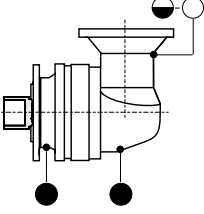
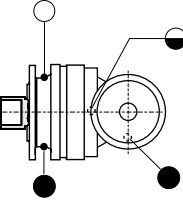
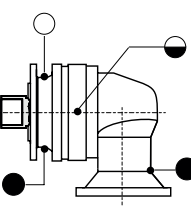
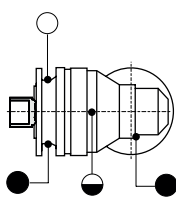
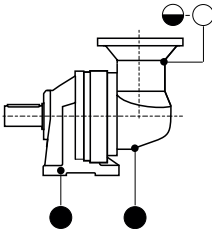
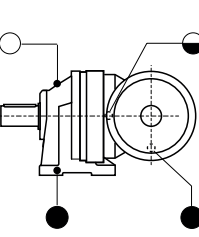
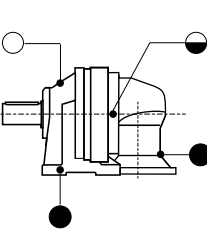
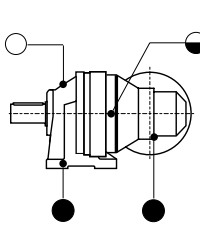
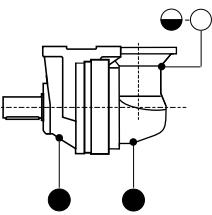
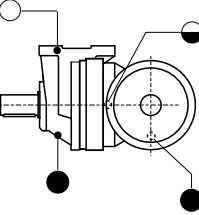
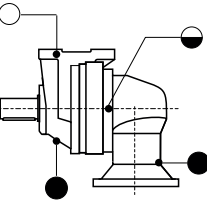
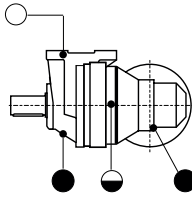
The mounting flange
orientation is shown
in each planetary ge-
ars technical sheets.



I codici in parentesi sono ad uso esclusivo dell' ufficio tecnico CHIARAVALLI.
Codes in brackets are for CHIARAVALLI technical department use only.



POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC				
	B51 (A)	B55 (B)	B53 (C)	B54 (D)
CPS CPC				
	B51 (A)	B55 (B)	B53 (C)	B54 (D)
CF				
	B51 (A)	B55 (B)	B53 (C)	B54 (D)
CFS				
	B51 (A)	B55 (B)	B53 (C)	B54 (D)
CCPC				
	B56 (A)	B60 (B)	B58 (C)	B62 (D)
				
	B57 (E)	B61 (F)	B59 (G)	B63 (H)



I codici in parentesi sono ad uso esclusivo dell'ufficio tecnico CHIARAVALLI.
Codes in brackets are for CHIARAVALLI technical department use only.

POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC				
	V15 (E)	V16 (F)	V17 (G)	V18 (H)
CPS CPC				
	V15 (E)	V16 (F)	V17 (G)	V18 (H)
CF				
	V15 (E)	V16 (F)	V17 (G)	V18 (H)
CFS				
	V15 (E)	V16 (F)	V17 (G)	V18 (H)
CCPC				
	V53 (I)	V52 (J)	V54 (K)	V55 (L)
	V49 (M)	V48 (N)	V50 (O)	V51 (P)



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POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

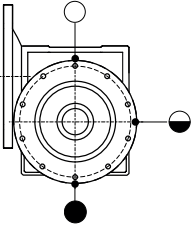
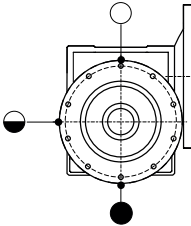
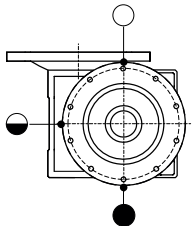
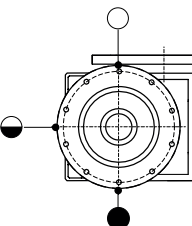
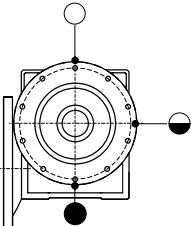
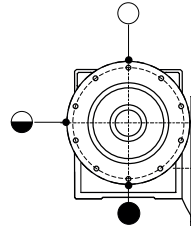
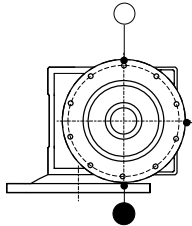
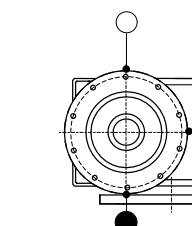
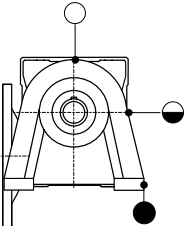
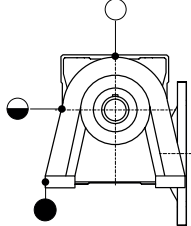
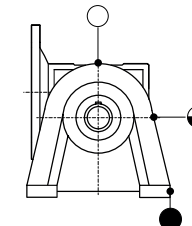
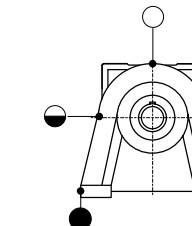
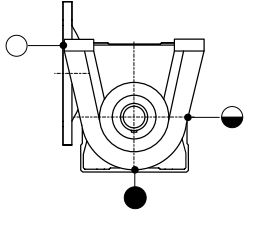
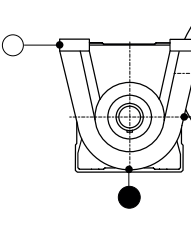
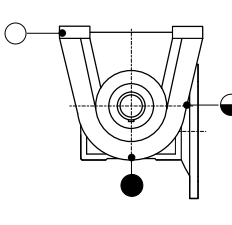
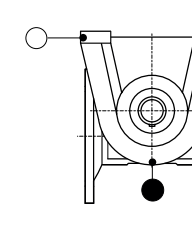
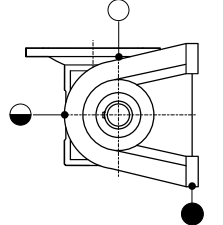
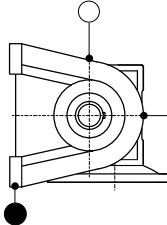
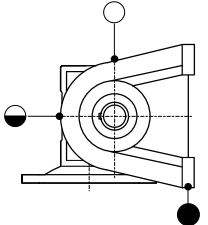
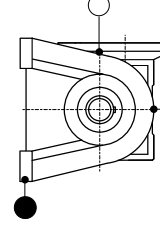
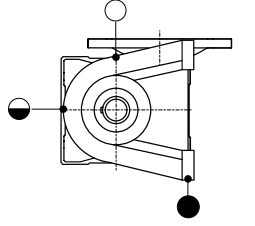
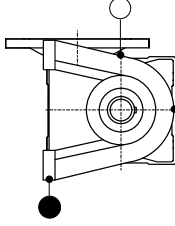
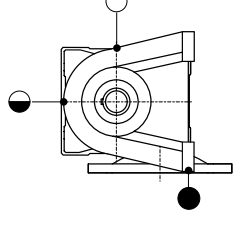
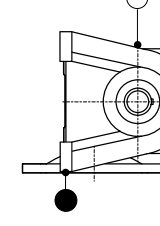
CMS CMC				
	V35 (I)	V36 (J)	V37 (K)	V38 (L)
CPS CPC				
	V35 (I)	V36 (J)	V37 (K)	V38 (L)
CF				
	V35 (I)	V36 (J)	V37 (K)	V38 (L)
CFS				
	V35 (I)	V36 (J)	V37 (K)	V38 (L)
CCPC				
	V42 (Q)	V40 (R)	V41 (S)	V43 (T)
	V46 (U)	V44 (V)	V45 (W)	V47 (X)



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POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS
CMC
CPS
CPC
CF
CFS

			
C1 (01)	C2 (02)	C3 (03)	C4 (04)
			
C5 (05)	C6 (06)	C7 (07)	C8 (08)
			
C9 (01)	C10 (02)	C11 (03)	C12 (04)
			
C13 (05)	C14 (06)	C15 (07)	C16 (08)
			
C17 (09)	C18 (10)	C19 (11)	C20 (12)
			
C21 (13)	C22 (14)	C23 (15)	C24 (16)

CCPC

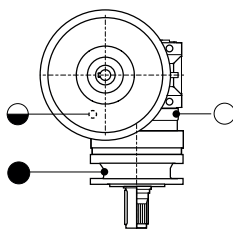


I codici in parentesi sono ad uso esclusivo dell' ufficio tecnico CHIARAVALLI.
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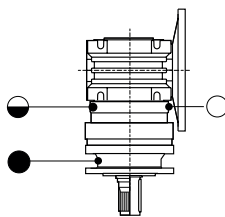


POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

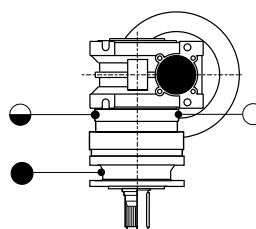
CMS
CMC



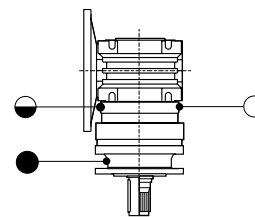
C25 (09)



C26 (10)

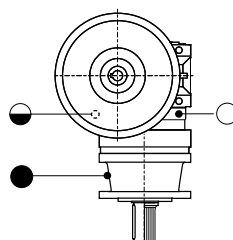


C27 (11)

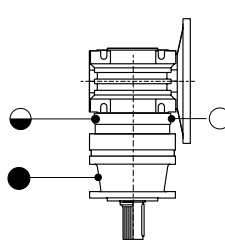


C28 (12)

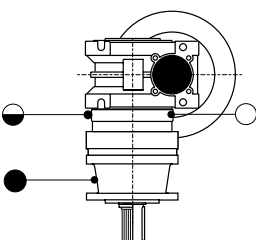
CPS
CPC



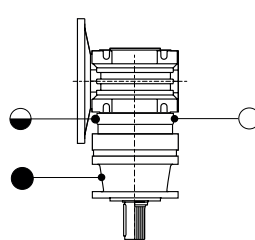
C25 (09)



C26 (10)

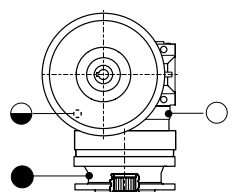


C27 (11)

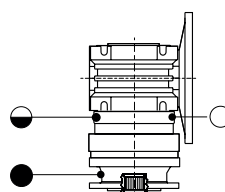


C28 (12)

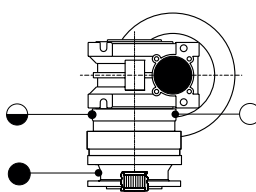
CF



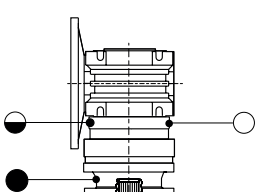
C25 (09)



C26 (10)

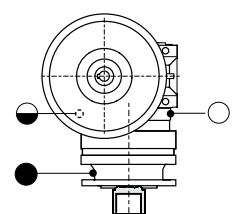


C27 (11)

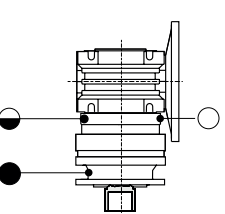


C28 (12)

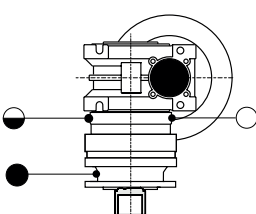
CFS



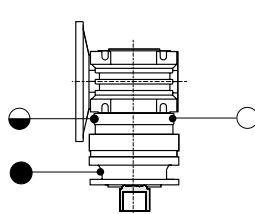
C25 (09)



C26 (10)

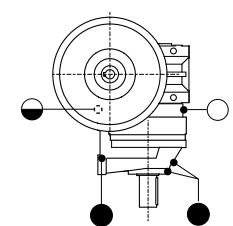


C27 (11)

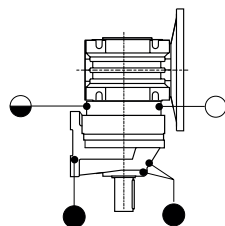


C28 (12)

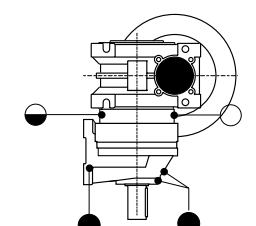
CCPC



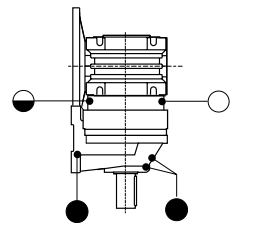
C41 (17)



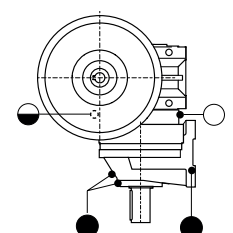
C42 (18)



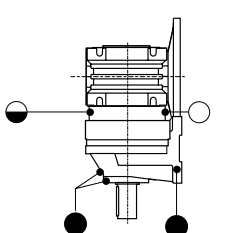
C43 (19)



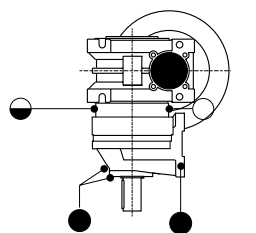
C44 (20)



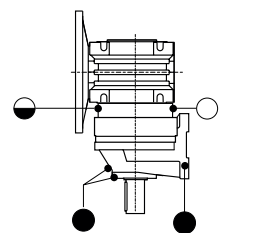
C45 (21)



C46 (22)



C47 (23)



C48 (24)



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POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC				
	C29 (13)	C30 (14)	C31 (15)	C32 (16)
CPS CPC				
	C29 (13)	C30 (14)	C31 (15)	C32 (16)
CF				
	C29 (13)	C30 (14)	C31 (15)	C32 (16)
CFS				
	C29 (13)	C30 (14)	C31 (15)	C32 (16)
CCPC				
	C49 (25)	C50 (26)	C51 (27)	C52 (28)
	C53 (29)	C54 (30)	C55 (31)	C56 (32)



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POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC				
	C33 (17)	C34 (18)	C35 (19)	C36 (20)
CPS CPC				
	C33 (17)	C34 (18)	C35 (19)	C36 (20)
CF				
	C33 (17)	C34 (18)	C35 (19)	C36 (20)
CFS				
	C33 (17)	C34 (18)	C35 (19)	C36 (20)
CCPC				
	C57 (33)	C58 (34)	C59 (35)	C60 (36)
	C61 (37)	C62 (38)	C63 (39)	C64 (40)



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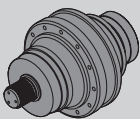
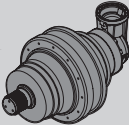
POSIZIONI DI MONTAGGIO · MOUNTING POSITIONS

CMS CMC				
	C37 (21)	C38 (22)	C39 (23)	C40 (24)
CPS CPC				
	C37 (21)	C38 (22)	C39 (23)	C40 (24)
CF				
	C37 (21)	C38 (22)	C39 (23)	C40 (24)
CFS				
	C37 (21)	C38 (22)	C39 (23)	C40 (24)
CCPC				
	C65 (41)	C66 (42)	C67 (43)	C68 (44)
	C69 (45)	C70 (46)	C71 (47)	C72 (48)



I codici in parentesi sono ad uso esclusivo dell' ufficio tecnico CHIARAVALLI.
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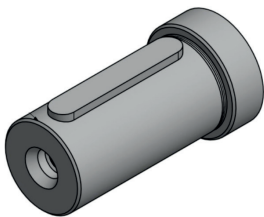
SIZE	 CHPL _i	 CHPLB _i	T_{2n} ($n_1 = 1400$ rpm) [Nm]	PAGE
1000	3.56 - 3422.2	10.4 - 1487.2	1000	B1
1600	3.56 - 3422.2	10.4 - 1487.2	1600	C1
2500	3.78 - 2369.2	12.1 - 1244.1	2500	D1
5000	3.78 - 1845.3	13.1 - 1244.1	5000	E1
7000	3.67 - 2968.9	12.7 - 1069.0	7000	F1
10000	3.56 - 2229.7	12.3 - 969.0	10000	G1
16000	3.56 - 2229.7	12.3 - 969.0	16000	H1
18000	13.0 - 1216.4	10.9 - 981.2	18000	I1
25000	4.00 - 1774.0	12.3 - 1726.9	25000	L1
30000	14.2 - 1425.1	52.7 - 1385.5	30000	M1
35000	4.00 - 1289.7	12.3 - 1253.8	35000	N1

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

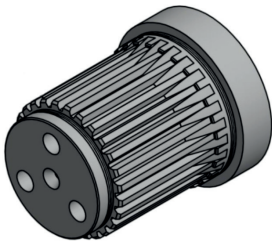
OUTPUT SHAFT

OUTPUT SHAFT



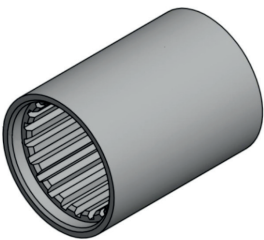
Maschio cilindrico con chiavetta
Cylindrical male with keyway

Ø mm	SIZE	page	Ø mm	SIZE	page
38	1000 1600	B1 C1	80	7000	F1
42			90	10000	G1
50			100	16000 18000	H1 I1
60	2500 5000	D1 E1	110	25000 30000	L1 M1
65			120	35000	N1



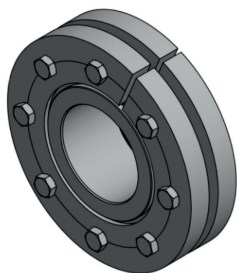
Maschio brocciato
Splined male shaft

SPLINED	SIZE	page
40 x 36 DIN 5482	1000 / 1600	B1/C1
58 x 53 DIN 5482	2500 / 5000	D1/E1
70 x 64 DIN 5482	7000	F1
80 x 74 DIN 5482	10000 / 16000 CMS 18000 CMS	G1/ H1/I1
100 x 94 DIN 5482	16000 CPS / 18000 CPS 25000 / 30000	H1/I1 L1/M1
W120 x 5 x 22 x 9H DIN 5480	35000	N1



Femmina brocciato
Splined female shaft

SPLINED	SIZE	page
40 x 36 DIN 5482	1000 / 1600	B1/C1
58 x 53 DIN 5482	2500 / 5000	D1/E1
70 x 64 DIN 5482	7000	F1
80 x 74 DIN 5482	10000 / 16000 18000	G1/ H1/I1
100 x 94 DIN 5482	25000 / 30000	H1/I1
W120 x 5 x 22 x 9H DIN 5480	35000	N1

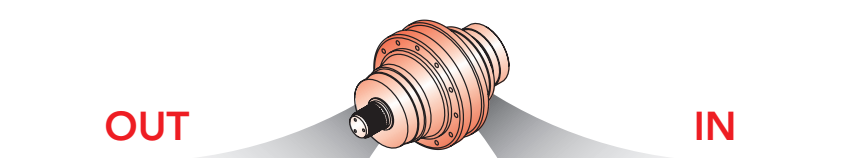
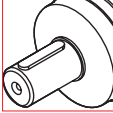
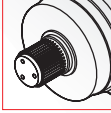
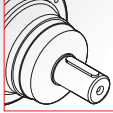
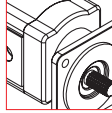
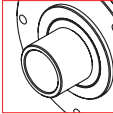
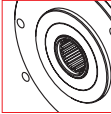
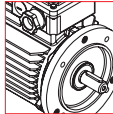
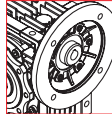
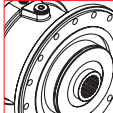


Calettatore
Clamping device

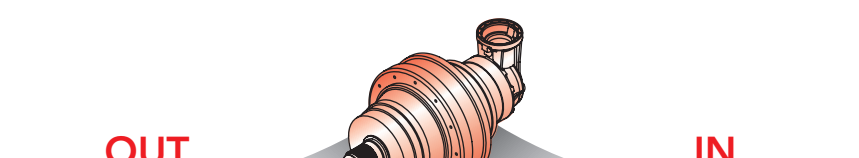
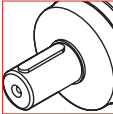
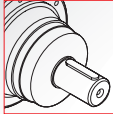
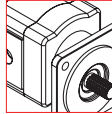
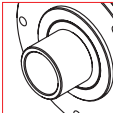
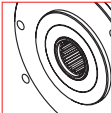
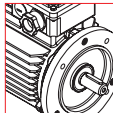
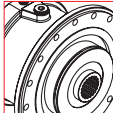
Ø mm	SIZE	page
50	1000 / 1600	B1/C1
75	2500 / 5000	D1/E1
90	7000	F1
100	10000	G1
120	16000 / 18000	H1/I1
135	25000 / 30000 / 35000	L1/M1/N1



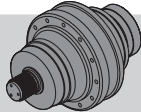
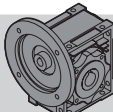
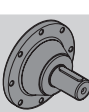
CHPL

	i					
			OUT		IN	
1001	3.56 ÷ 8.67	1 reduction stage				
			Ø42 Ø38 Ø50	40x36 DIN 5482	Ø42	Hydraulic Motor
1002	12.6 ÷ 58.5	2 reduction stages				
			Ø50	40x36 DIN 5482	Electric Motor	Worm gearboxes
1003	54.2 ÷ 394.9	3 reduction stages				
1004	337.4 ÷ 3422.2	4 reduction stages				Brake

CHPLB

	i					
			OUT		IN	
1002	10.4 ÷ 19.8	2 reduction stages				
			Ø42 Ø38 Ø50	40x36 DIN 5482	Ø42	Hydraulic Motor
1003	37.1 ÷ 171.6	3 reduction stages				
			Ø50	40x36 DIN 5482	Electric Motor	
1004	131.8 ÷ 1487.2	4 reduction stages				Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM				
1001	3.56	458	19.5	2240	12	63	71	CHM 50 CHM 63 CHM 75	CM42				
	4.29	465	16.5	2240		80	90						
	5.6	368	10	1640		100	112						
	6.75	319	7.2	1420		132	160						
	8.67	214	3.74	920									
1002	12.6	576	7.2	2240	8	63 80 100 132	71 90 112	CHM 50 CHM 63 CHM 75	CM42				
	15.2	594	6.16	2240									
	19.9	612	4.84	2240									
	24	641	4.2	2240									
	28.9	660	3.6	2240									
	31.4	482	2.42	1640									
	37.8	504	2.1	1640									
	45.6	461	1.6	1420									
	58.5	469	1.27	1420									
1003	54.2	722	2.18	2240	5	63 80 100 132	71 90 112	CHM 50 CHM 63 CHM 75	CM42				
	65.3	750	1.88	2240									
	70.8	750	1.73	2240									
	78.7	795	1.65	2240									
	85.3	806	1.54	2240									
	102.9	833	1.32	2240									
	111.5	827	1.21	2240									
	134.4	854	1.04	2240									
	162	881	0.89	2240									
	172.6	899	0.85	2240									
	208	925	0.73	2240									
	211.7	679	0.52	1640									
	255.2	705	0.45	1640									
	271.8	690	0.41	1640									
	307.5	633	0.34	1420									
	327.6	723	0.36	1640									
	394.9	638	0.26	1420									
	1004	337.4	1005	0.50		2240	1.5			63 80	71 90	CHM 50 CHM 63 CHM 75	CM42
		365.7	1011	0.47		2240							
396.4		1013	0.43	2240									
440.8		1032	0.40	2240									
477.9		1069	0.38	2240									
531.3		1094	0.35	2240									
576		1105	0.32	2240									
624.4		1108	0.30	2240									
694.3		1134	0.28	2240									
752.6		1122	0.25	2240									
836.9		1188	0.24	2240									
907.2		1224	0.23	2240									
966.3		1235	0.22	2240									
1093.5		1242	0.19	2240									
1144.5		1218	0.18	2240									
1185.4		926	0.13	1640									
1318.1		1311	0.17	2240									
1428.8		913	0.11	1640									
1692.3		1322	0.14	2240									
3422.2		923	0.05	1420									

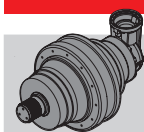
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA



CHPLB



CM

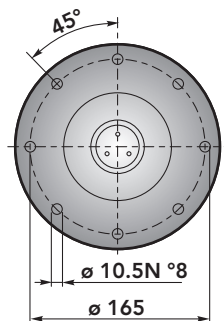
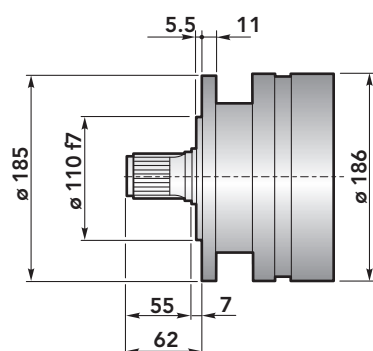
	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		
1002	10.4	554	8.40	2240	8	63	71	CM42
	12.6	576	7.20	2240		80	90	
	16.4	437	4.20	1640		100	112	
	19.8	386	3.08	1420		132		
1003	37.1	700	3.08	2240	5	63	71	CM42
	44.7	722	2.64	2240		80	90	
	53.9	744	2.25	2240		100	112	
	58.4	750	2.10	2240		132		
	70.4	778	1.80	2240				
	84.9	801	1.54	2240				
	92	585	1.04	1640				
	110.9	605	0.89	1640				
	133.6	545	0.67	1420				
	171.6	567	0.54	1420				
1004	131.8	864	1.11	2240	1.5	63	71	CM42
	158.9	870	0.93	2240		80	90	
	191.6	922	0.81	2240				
	207.7	921	0.75	2240				
	230.9	955	0.70	2240				
	301.7	981	0.55	2240				
	327.1	974	0.50	2240				
	363.7	1006	0.47	2240				
	394.2	1008	0.43	2240				
	475.2	1063	0.38	2240				
	515.1	805	0.26	1640				
	572.8	1099	0.32	2240				
	610.1	1126	0.31	2240				
	735.4	1149	0.26	2240				
	797.2	849	0.18	1640				
	960.9	887	0.16	1640				
	1158.3	822	0.12	1420				
	1233.8	876	0.12	1640				
	1487.2	845	0.09	1420				

n_{1max} = 2800 rpm

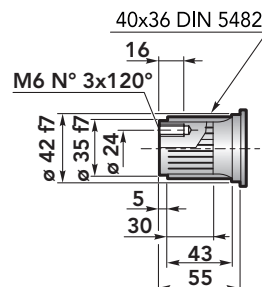
per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

DIMENSIONI · DIMENSIONS



M10 8.8 50.1 Nm



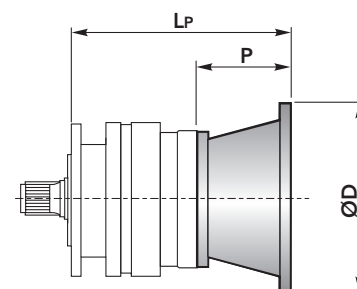
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CHPL 1000 CMS - Flange motori IEC | IEC Motor flanges

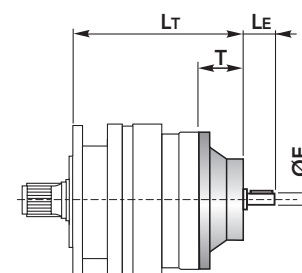
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	140	36	140	140	36	160	160	56	200	160	56	200
1002	188			188			208			208		
1003	236			236			256			256		
1004	284			284			304			304		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	170	66	250	170	66	250	204	100	300	243	139	350
1002	218			218			252			-	-	-
1003	266			266			300			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	L _T	T	L _E	ØE
1001	197	93	82	42 h6
1002	245			
1003	293			
1004	341			



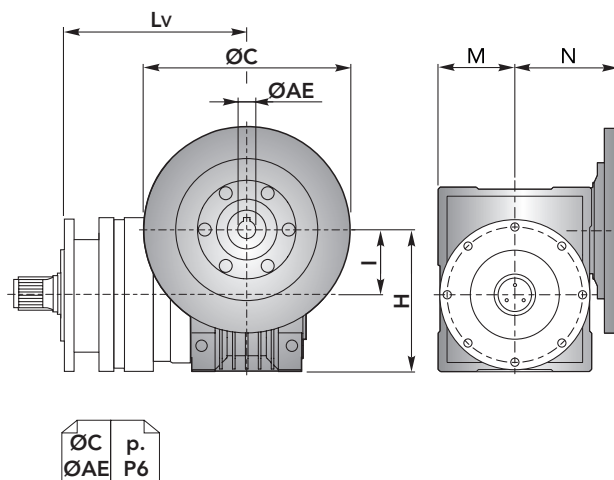


DIMENSIONI · DIMENSIONS

CHPL 1000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	229.5	50	110	60	80	239	63	135	72	95
1002	277.5					287				
1003	325.5					335				
1004	373.5					383				

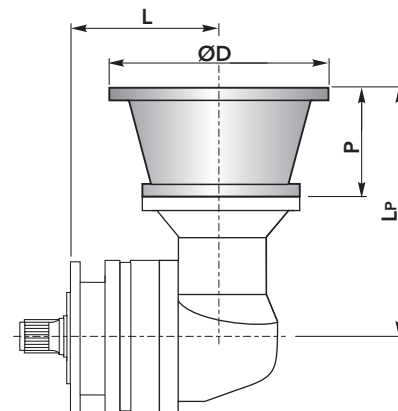
CHPL	CHM 75				
	Lv	I	H	M	N
1001	218	75	161	86	112.5
1002	266				
1004	314				
1004	362				



CHPLB 1000 CMS - Flange motori IEC | *IEC Motor flanges*

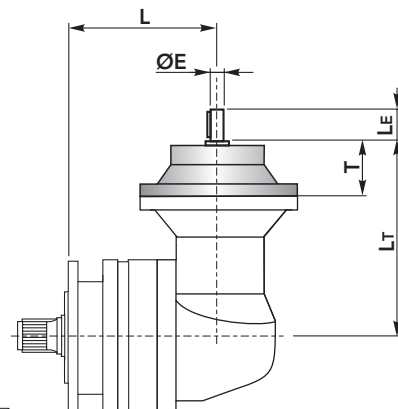
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	196	36	140	179	196	36	160	179	216	56	200	179	216	56	200
1003	227				227				227				227			
1004	275				275				275				275			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	226	66	250	179	226	66	250	179	260	100	300
1003	227				227				227			
1004												

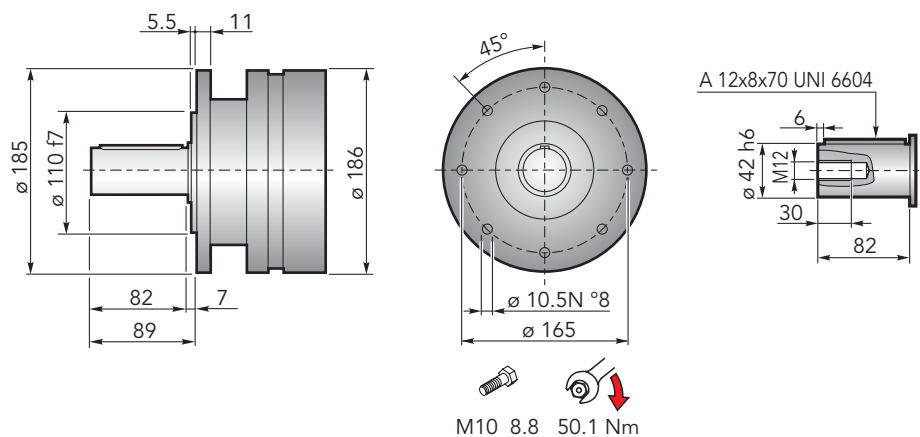


CHPLB 1000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1002	179	253	93	82	42 h6
1003	227				
1004	275				



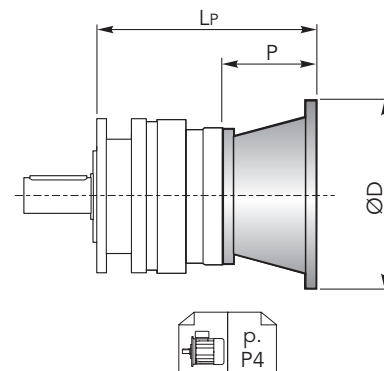
DIMENSIONI · DIMENSIONS



CHPL 1000 CMC - Flange motori IEC | IEC Motor flanges

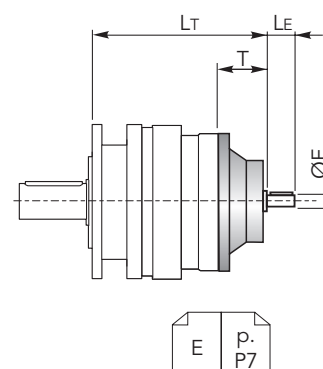
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	140	36	140	140	36	160	160	56	200	160	56	200
1002	188			188			208			208		
1003	236			236			256			256		
1004	284			284			304			304		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	170	66	250	170	66	250	204	100	300	243	139	350
1002	218			218			252			-	-	-
1003	266			266			300			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	L _T	T	L _E	ØE
1001	197	93	82	42 h6
1002	245			
1003	293			
1004	341			



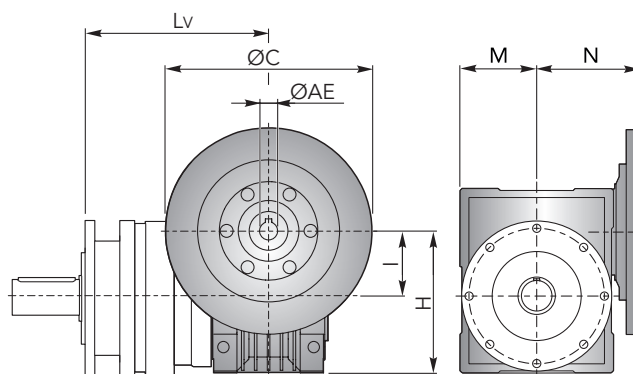


DIMENSIONI · DIMENSIONS

CHPL 1000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	229.5	50	110	60	80	239	63	135	72	95
1002	277.5					287				
1003	325.5					335				
1004	373.5					383				

CHPL	CHM 75				
	Lv	I	H	M	N
1001	218	75	161	86	112.5
1002	266				
1004	314				
1004	362				

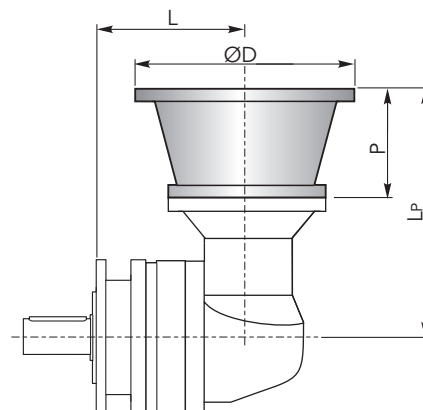


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P6

CHPLB 1000 CMC - Flange motori IEC | *IEC Motor flanges*

CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1002	179	196	36	140	179	196	36	160	179	216	56	200	179	216	56	200
1003	227				227				227				227			
1004	275				275				275				275			

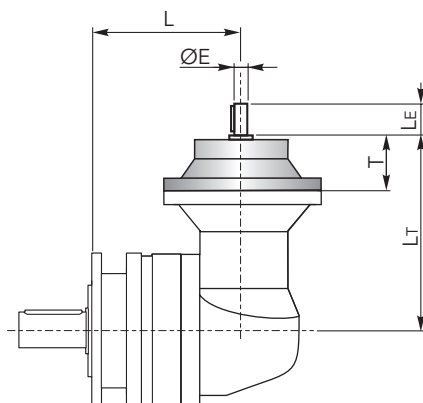
CHPLB	IEC 100				IEC 112				IEC 132			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1002	179	226	66	250	179	226	66	250	179	260	100	300
1003	227				227				227			
1004	-				-				-			



p.
P4

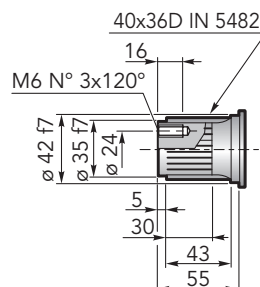
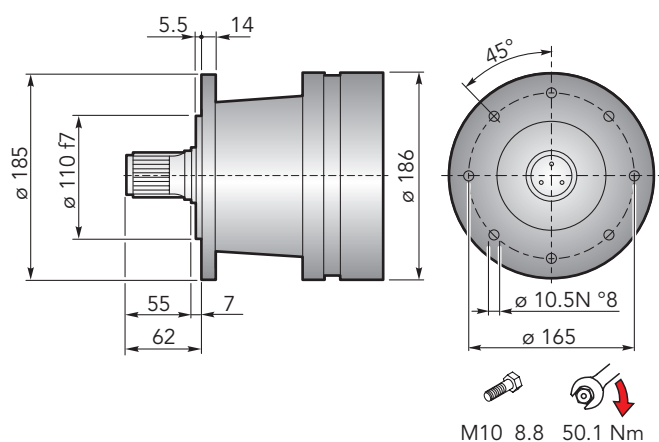
CHPLB 1000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	Lt	T	Le	ØE
1002	179	253	93	82	42 h6
1003	227				
1004	275				



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P7

DIMENSIONI · DIMENSIONS



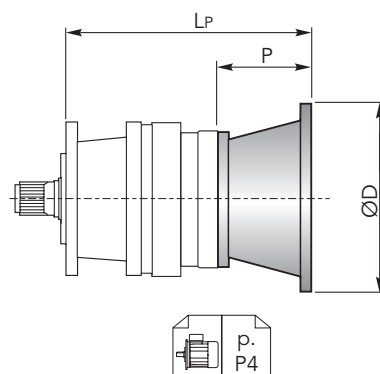
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CHPL 1000 CPS - Flange motori IEC | IEC Motor flanges

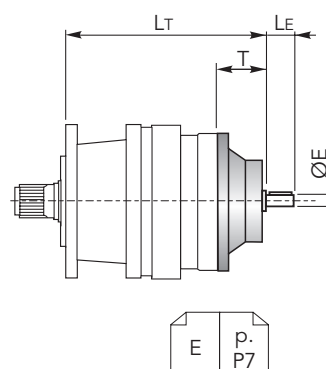
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	170	36	140	170	36	160	190	56	200	190	56	200
1002	218			218			238			238		
1003	266			266			286			286		
1004	314			314			334			334		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	200	66	250	200	66	250	234	100	300	273	139	350
1002	248			248			282			-	-	-
1003	296			296			330			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1001	227	93	82	42 h6
1002	275			
1003	323			
1004	371			



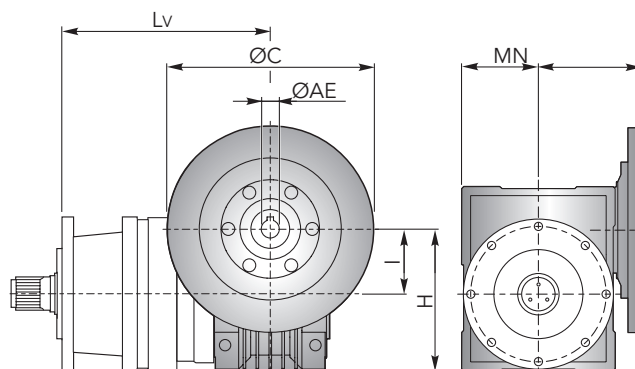


DIMENSIONI · DIMENSIONS

CHPL 1000 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	259.5	50	110	60	80	269	63	135	72	95
1002	307.5					317				
1003	355.5					365				
1004	403.5					413				

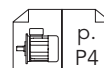
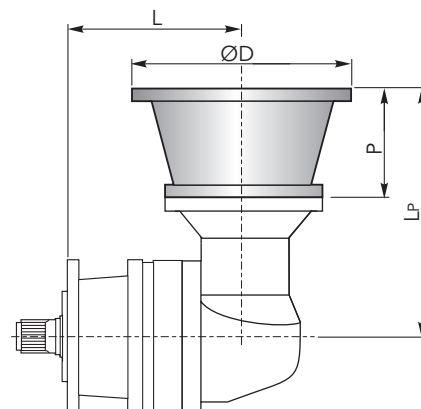
CHPL	CHM 75				
	Lv	I	H	M	N
1001	248	75	161	86	112.5
1002	296				
1003	344				
1004	392				



CHPLB 1000 CPS - Flange motori IEC | *IEC Motor flanges*

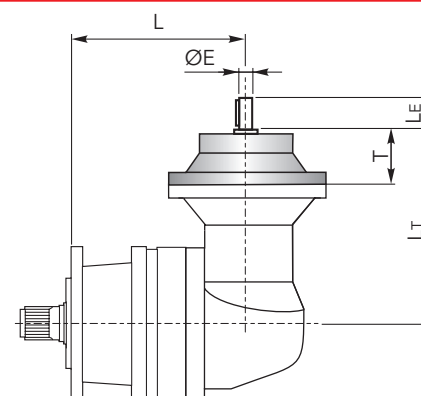
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	209	196	36	140	209	196	36	160	209	216	56	200	209	216	56	200
1003	257				257				257				257			
1004	305				305				305				305			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	209	226	66	250	209	226	66	250	209	260	100	300
1003	257				257				257			
1004												

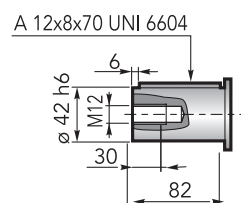
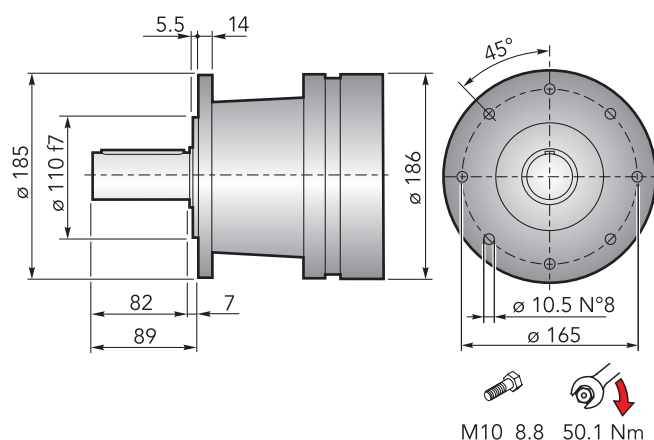
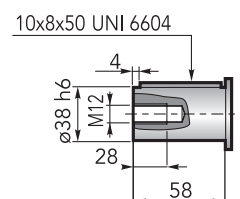


CHPLB 1000 CPS - Alberi maschi entrata | *Male input shafts*

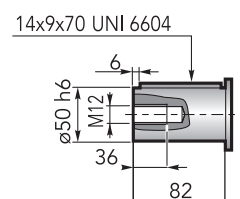
CHPLB	CM42				
	L	Lt	T	Le	ØE
1002	209	253	93	82	42 h6
1003	257				
1004	305				



DIMENSIONI · DIMENSIONS

CPC Ø 42
STANDARD

CMCS Ø 38

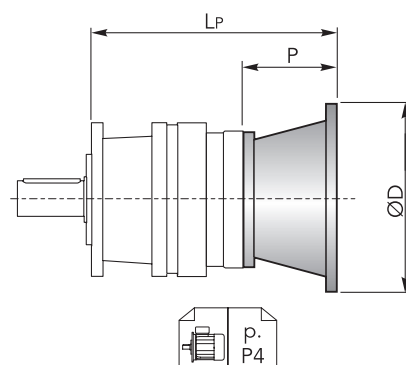


CPCS Ø 50

CHPL 1000 CPC - Flange motori IEC | IEC Motor flanges

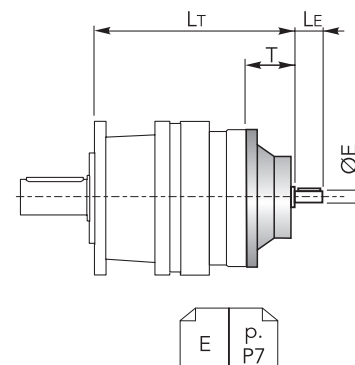
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	170	36	140	170	36	160	190	56	200	190	56	200
1002	218			218			238			238		
1003	266			266			286			286		
1004	314			314			334			334		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	200	66	250	200	66	250	234	100	300	273	139	350
1002	248			248			282			-	-	-
1003	296			296			330			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1001	227	93	82	42 h6
1002	275			
1003	323			
1004	371			



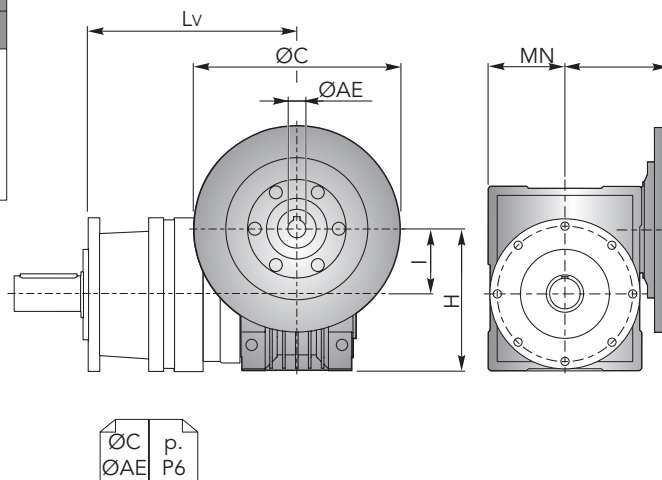


DIMENSIONI · DIMENSIONS

CHPL 1000 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	259.5	50	110	60	80	269	63	135	72	95
1002	307.5					317				
1003	355.5					365				
1004	403.5					413				

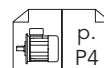
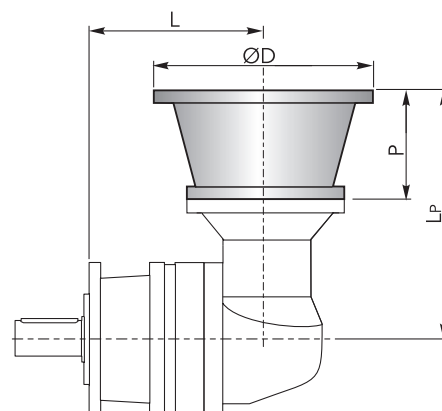
CHPL	CHM 75				
	Lv	I	H	M	N
1001	248	75	161	86	112.5
1002	296				
1003	344				
1004	392				



CHPLB 1000 CPC - Flange motori IEC | *IEC Motor flanges*

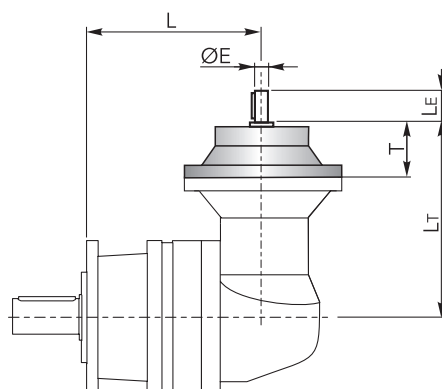
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	209	196	36	140	209	196	36	160	209	216	56	200	209	216	56	200
1003	257				257				257				257			
1004	305				305				305				305			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	209	226	66	250	209	226	66	250	209	260	100	300
1003	257				257				257			
1004	-				-				-			

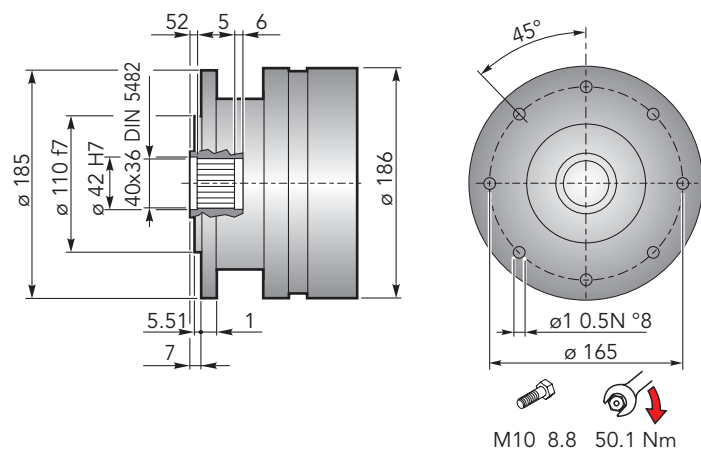


CHPLB 1000 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1002	209	253	93	82	42 h6
1003	257				
1004	305				



DIMENSIONI · DIMENSIONS



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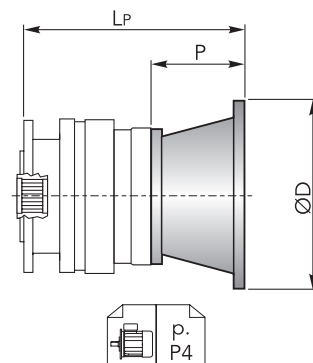
CHKB

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CHPL 1000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	140	36	140	140	36	160	160	56	200	160	56	200
1002	188			188			208			208		
1003	236			236			256			256		
1004	284			284			304			304		

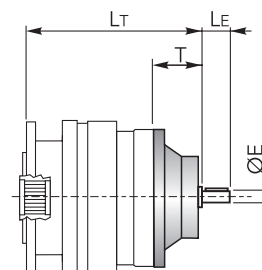
CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1001	170	66	250	170	66	250	204	100	300	243	139	350
1002	218			218			252			-	-	-
1003	266			266			300			-	-	-
1004	-			-			-			-	-	-



p.
P4

CHPL 1000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	L _T	T	L _E	ØE
1001	197	93	82	42 h6
1002	245			
1003	293			
1004	341			



E
p.
P7

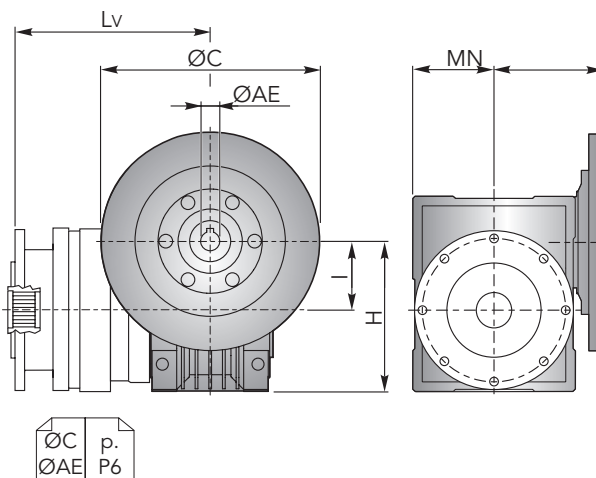


DIMENSIONI · DIMENSIONS

CHPL 1000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	229.5	50	110	60	80	239	63	135	72	95
1002	277.5					287				
1003	325.5					335				
1004	373.5					383				

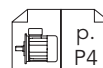
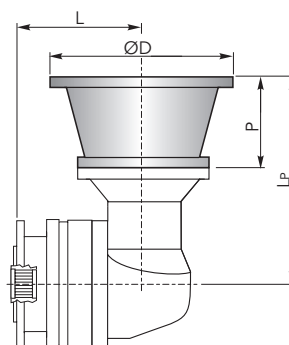
CHPL	CHM 75				
	Lv	I	H	M	N
1001	218	75	161	86	112.5
1002	266				
1004	314				
1004	362				



CHPLB 1000 CF - Flange motori IEC | *IEC Motor flanges*

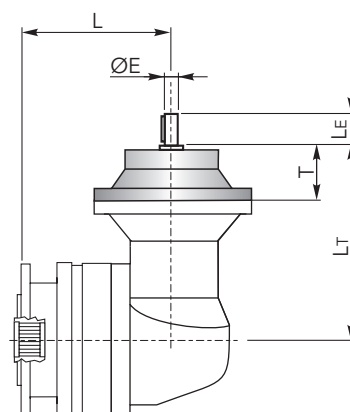
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	196	36	140	179	196	36	160	179	216	56	200	179	216	56	200
1003	227				227				227				227			
1004	275				275				275				275			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	226	66	250	179	226	66	250	179	260	100	300
1003	227				227				227			
1004												

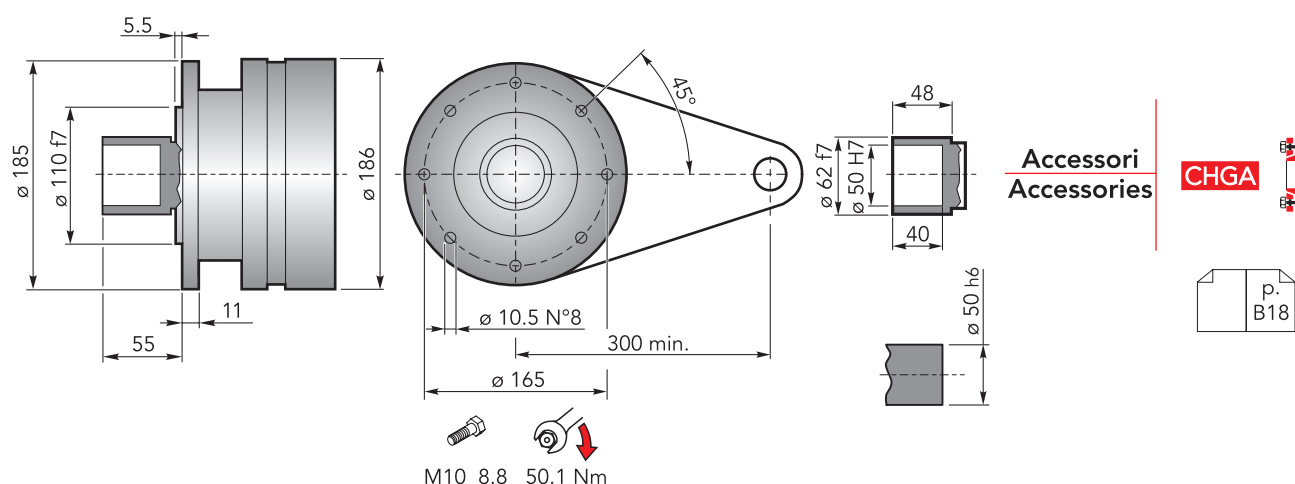


CHPLB 1000 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1002	179	253	93	82	42 h6
1003	227				
1004	275				



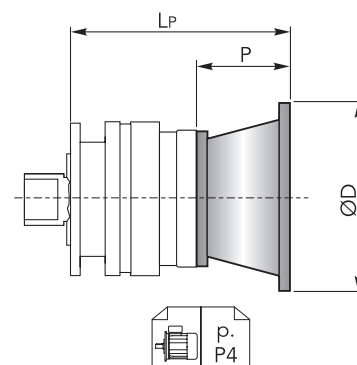
DIMENSIONI · DIMENSIONS



CHPL 1000 CFS - Flange motori IEC | IEC Motor flanges

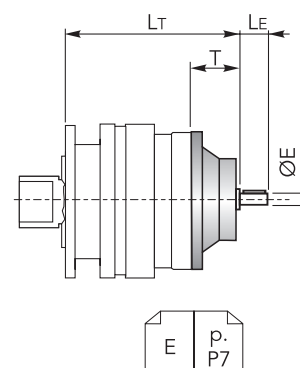
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	140	36	140	140	36	160	160	56	200	160	56	200
1002	188			188			208			208		
1003	236			236			256			256		
1004	284			284			304			304		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	170	66	250	170	66	250	204	100	300	243	139	350
1002	218			218			252			-	-	-
1003	266			266			300			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1001	197	93	82	42 h6
1002	245			
1003	293			
1004	341			



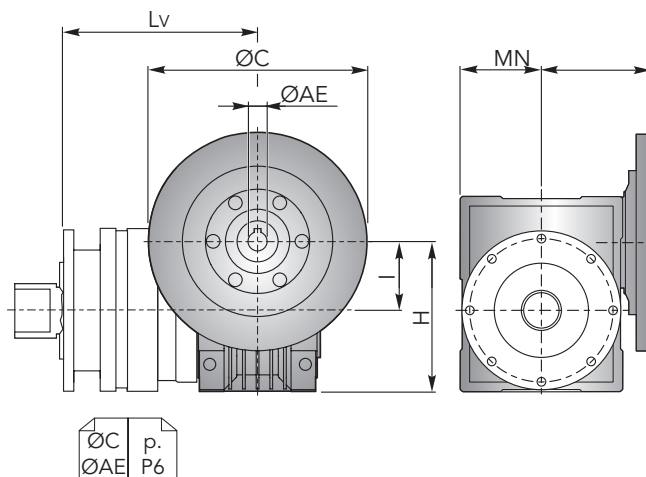


DIMENSIONI · DIMENSIONS

CHPL 1000 CFS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	229.5	50	110	60	80	239	63	135	72	95
1002	277.5					287				
1003	325.5					335				
1004	373.5					383				

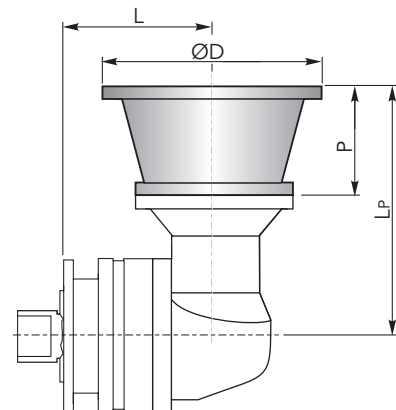
CHPL	CHM 75				
	Lv	I	H	M	N
1001	218	75	161	86	112.5
1002	266				
1004	314				
1004	362				



CHPLB 1000 CFS - Flange motori IEC | *IEC Motor flanges*

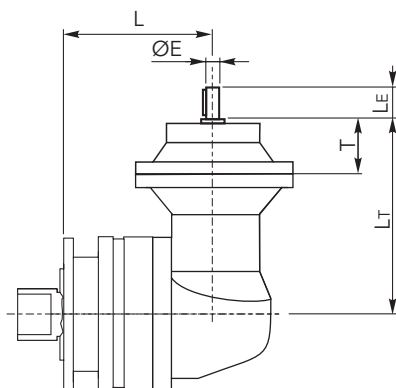
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	196	36	140	179	196	36	160	179	216	56	200	179	216	56	200
1003	227				227				227				227			
1004	275				275				275				275			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	179	226	66	250	179	226	66	250	179	260	100	300
1003	227				227				227			
1004												

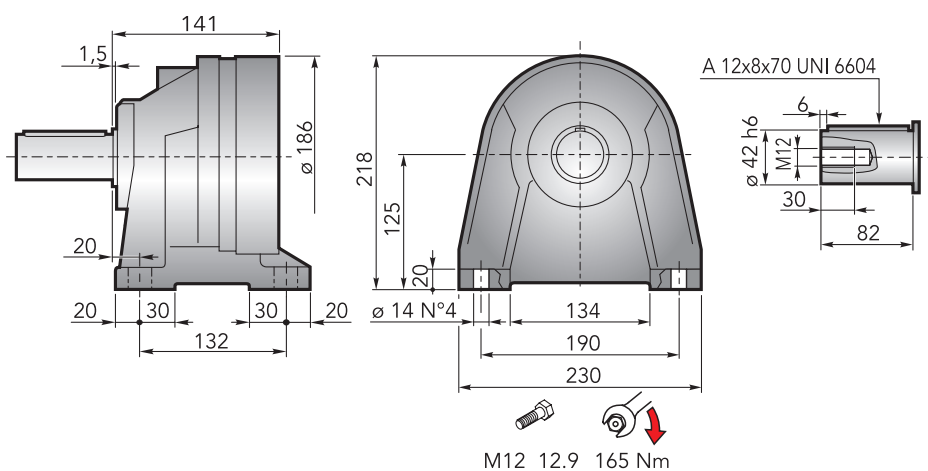


CHPLB 1000 CFS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1002	179	253	93	82	42 h6
1003	227				
1004	275				



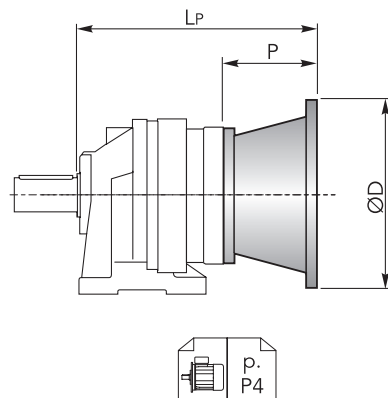
DIMENSIONI · DIMENSIONS



CHPL 1000 CCPC - Flange motori IEC | IEC Motor flanges

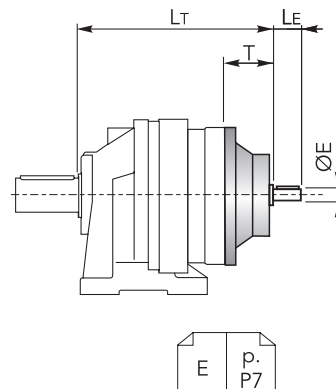
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	177	36	140	177	36	160	197	56	200	197	56	200
1002	225			225			245			245		
1003	273			273			293			293		
1004	321			321			341			341		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1001	207	66	250	207	66	250	241	100	300	280	139	350
1002	255			255			289			-	-	-
1003	303			303			337			-	-	-
1004	-			-			-			-	-	-



CHPL 1000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1001	234	93	82	42 h6
1002	282			
1003	330			
1004	379			



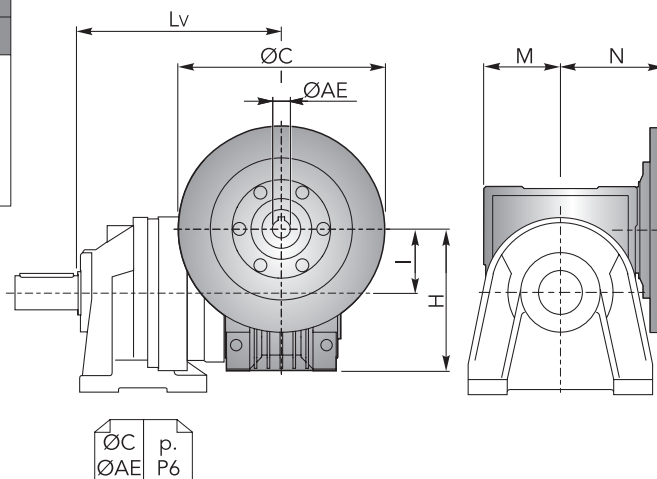


DIMENSIONI · DIMENSIONS

CHPL 1000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1001	266.5	50	110	60	80	276	63	135	72	95
1002	314.5					324				
1003	362.5					372				
1004	410.5					420				

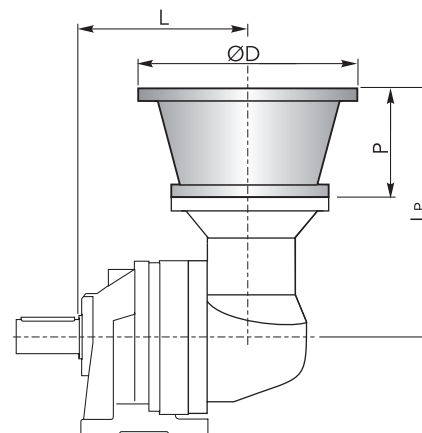
CHPL	CHM 75				
	Lv	I	H	M	N
1001	255	75	161	86	112.5
1002	303				
1003	351				
1004	399				



CHPLB 1000 CCPC - Flange motori IEC | *IEC Motor flanges*

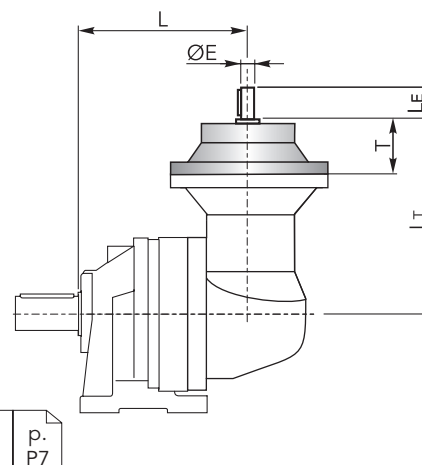
CHPLB	IEC 71				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	216	196	36	140	216	196	36	160	216	216	56	200	216	216	56	200
1003	264				264				264				264			
1004	312				312				312				312			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1002	216	226	66	250	216	226	66	250	216	260	100	300
1003	264				264				264			
1004												



CHPLB 1000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	Lt	T	Le	ØE
1002	216	253	93	82	42 h6
1003	264				
1004	312				

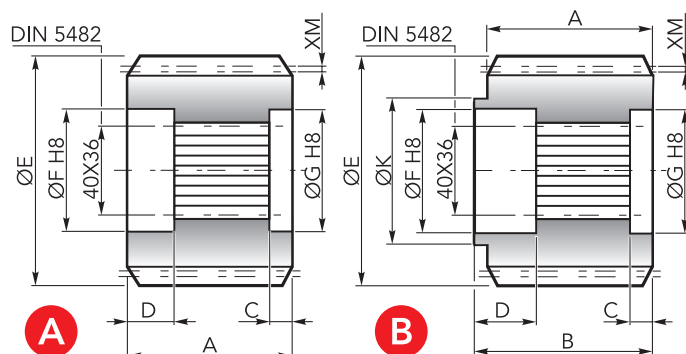


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

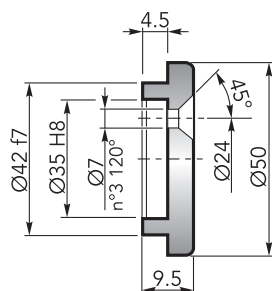


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS CPS	1.9	20	0.05	65	-	6	20.5	84.5	42	42	-	1071.200.042
		5	16	2.5	55	-	6	20.5	95	42	42	-	1071.259.042
B	CMS CPS	3.5	23	0	40	60.5	6	20.5	87.5	42	42	60	1071.291.042

CHFF



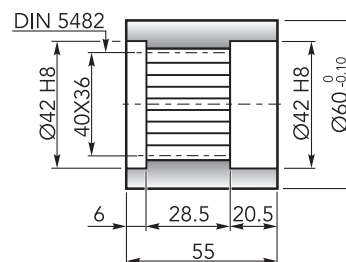
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.034.000

CHBS



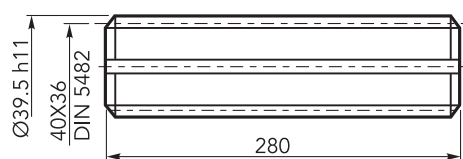
Boccola scanalata | Splined bushing

Codice / Code:
0171.100.076

CHKB



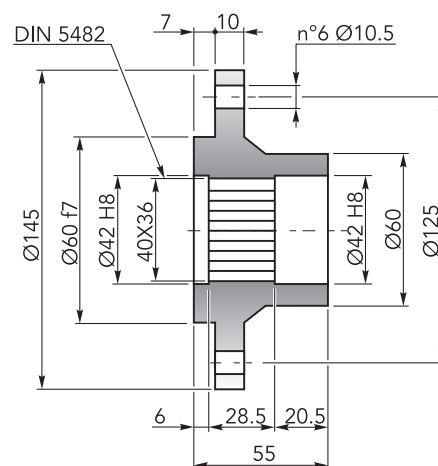
Barra scanalata | Splined rod

Codice / Code:
3071.179.042

CHFL



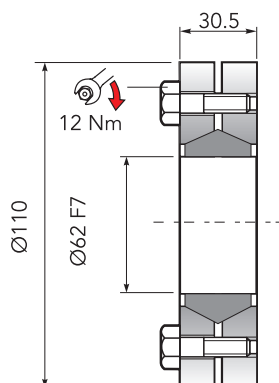
Flangia | Flange

Codice / Code:
0171.102.025

CHGA



Giunto di attrito | Shrink disc

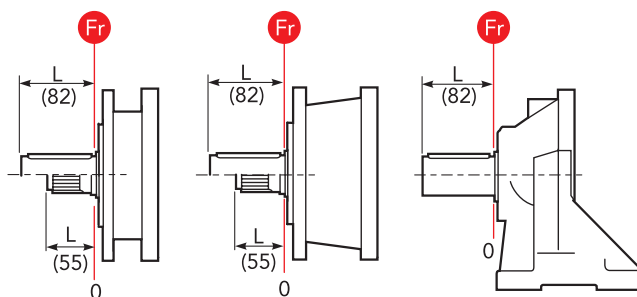
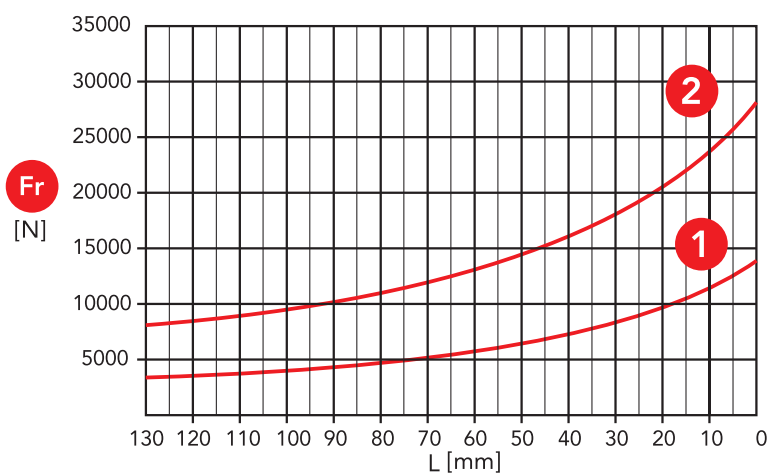
Codice / Code:
5109.062.000Coppia max: 2200 Nm (1)
Max Torque: 2200 Nm (1)(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.
(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



1

2

2

1

Uscita / Output: CMS, CMC

2

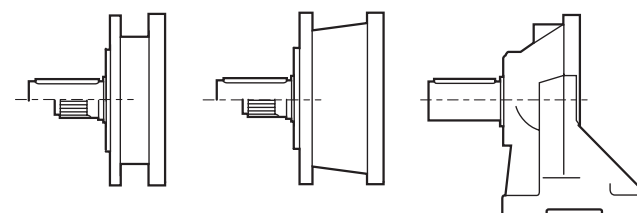
Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa [N]	16000	18000	←
	16000	18000	→



1

2

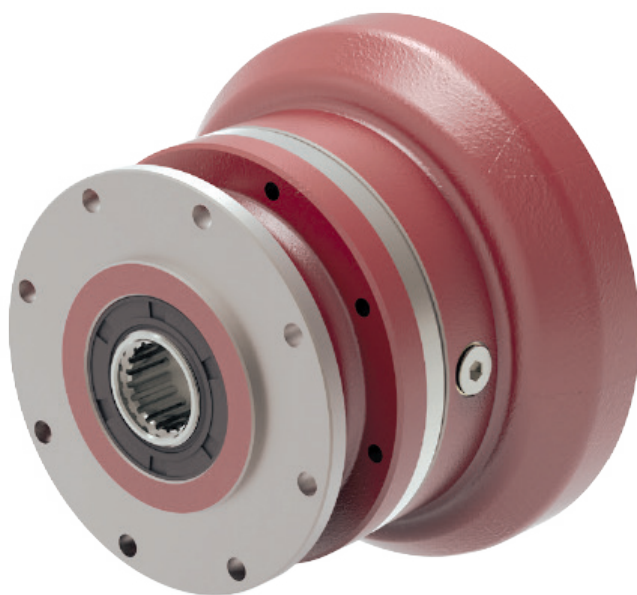
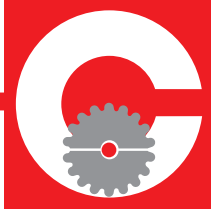
2

1

Uscita / Output: CMS, CMC

2

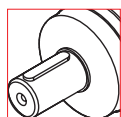
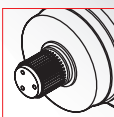
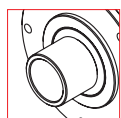
Uscita / Output: CPS, CPC, CCPC



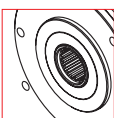
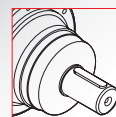


CHPL

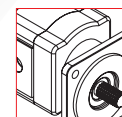
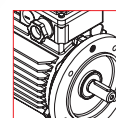
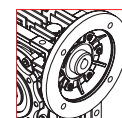
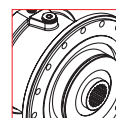
	i	
1601	3.56 ÷ 6.75	1 reduction stage
1602	12.6 ÷ 58.5	2 reduction stages
1603	54.2 ÷ 394.9	3 reduction stages
1604	337.4 ÷ 3422.2	4 reduction stages

OUTØ42
Ø38 Ø5040x36
DIN 5482

Ø50

40x36
DIN 5482**IN**

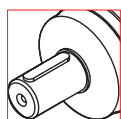
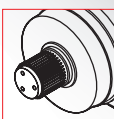
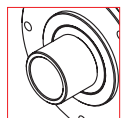
Ø42

Hydraulic
MotorElectric
MotorWorm
gearboxes

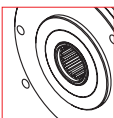
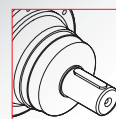
Brake

CHPLB

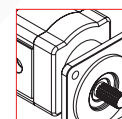
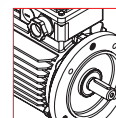
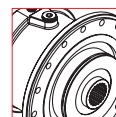
	i	
1602	10.4 ÷ 19.8	2 reduction stages
1603	37.1 ÷ 171.6	3 reduction stages
1604	131.8 ÷ 1487.2	4 reduction stages

OUTØ42
Ø38 Ø5040x36
DIN 5482

Ø50

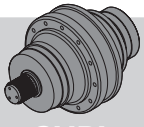
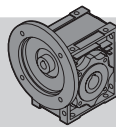
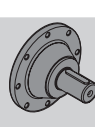
40x36
DIN 5482**IN**

Ø42

Hydraulic
MotorElectric
Motor

Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n _i = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n _i = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM
1601	3.56	697	29.70	3460	12	63	71	CHM 50 CHM 63 CHM 75	CM42
	4.29	715	25.30	3460		80	90		
	5.6	548	14.85	2460		100	112		
	6.75	463	10.50	2040		132	160		
1602	12.6	896	11.20	3460	8	63 80 100 132	71 90 112	CHM 50 CHM 63 CHM 75	CM42
	15.2	926	9.60	3460					
	19.9	948	7.50	3460					
	24	972	6.38	3460					
	28.9	1010	5.50	3460					
	31.4	748	3.75	2460					
	37.8	766	3.19	2460					
	45.6	651	2.25	2040					
	58.5	670	1.80	2040					
1603	54.2	1145	3.45	3460	5	63 80 100 132	71 90 112	CHM 50 CHM 63 CHM 75	CM42
	65.3	1188	2.97	3460					
	70.8	1193	2.75	3460					
	78.7	1221	2.53	3460					
	85.3	1208	2.31	3460					
	102.9	1277	2.03	3460					
	111.5	1282	1.88	3460					
	134.4	1314	1.60	3460					
	162	1365	1.38	3460					
	172.6	1397	1.32	3460					
	208	1472	1.16	3460					
	211.7	1008	0.78	2460					
	255.2	1056	0.68	2460					
	271.8	1043	0.63	2460					
	307.5	895	0.48	2040					
	327.6	1104	0.55	2460					
394.9	896	0.37	2040						
1604	337.4	1550	0.78	3460	1.5	63 80	71 90	CHM 50 CHM 63 CHM 75	CM42
	365.7	1569	0.73	3460					
	396.4	1582	0.68	3460					
	440.8	1630	0.63	3460					
	477.9	1626	0.58	3460					
	531.3	1698	0.54	3460					
	576	1716	0.50	3460					
	624.4	1729	0.47	3460					
	694.3	1774	0.43	3460					
	752.6	1762	0.40	3460					
	836.9	1782	0.36	3460					
	907.2	1868	0.35	3460					
	966.3	1852	0.32	3460					
	1093.5	1940	0.30	3460					
	1144.5	1949	0.29	3460					
	1185.4	1346	0.19	2460					
	1318.1	1966	0.25	3460					
	1428.8	1420	0.17	2460					
	1692.3	2142	0.21	3460					
	3422.2	1326	0.07	2040					

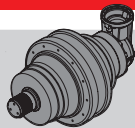
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA

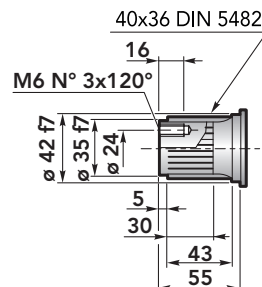
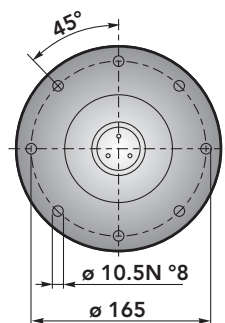
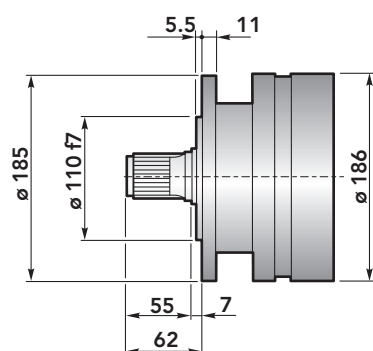
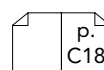
 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CM
1602	10.4	835	12.65	3460	8	63	71	CM42
	12.6	880	11.00	3460		80	90	
	16.4	657	6.30	2460		100	112	
	19.8	566	4.50	2040		132		
1603	37.1	1050	4.62	3460	5	63	71	CM42
	44.7	1085	3.96	3460		80	90	
	53.9	1163	3.52	3460		100	112	
	58.4	1103	3.08	3460		132		
	70.4	1139	2.64	3460				
	84.9	1260	2.42	3460				
	92	931	1.65	2460				
	110.9	918	1.35	2460				
	133.6	811	0.99	2040				
	171.6	811	0.77	2040				
1604	131.8	1372	1.76	3460	1.5	63	71	CM42
	158.9	1340	1.43	3460		80	90	
	191.6	1445	1.28	3460				
	207.7	1382	1.13	3460				
	230.9	1434	1.05	3460				
	301.7	1473	0.83	3460				
	327.1	1596	0.83	3460				
	363.7	1614	0.75	3460				
	394.2	1574	0.68	3460				
	475.2	1686	0.60	3460				
	515.1	1240	0.41	2460				
	572.8	1678	0.50	3460				
	610.1	1787	0.50	3460				
	735.4	1771	0.41	3460				
	797.2	1297	0.28	2460				
	960.9	1279	0.23	2460				
	1158.3	1110	0.16	2040				
	1233.8	1460	0.20	2460				
	1487.2	1267	0.15	2040				

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

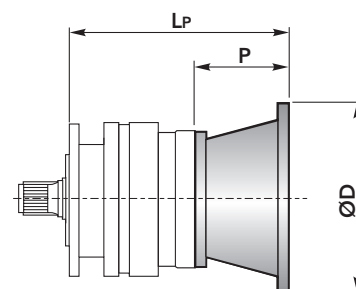
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CHPL 1600 CMS - Flange motori IEC | IEC Motor flanges

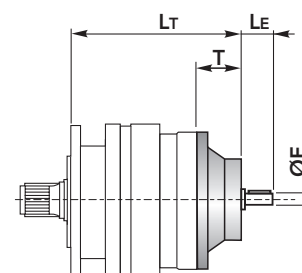
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1601	153	36	140	153	36	160	173	56	200	173	56	200
1602	201			201			221			221		
1603	249			249			269			269		
1604	297			297			317			317		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1601	183	66	250	183	66	250	217	100	300	256	139	350
1602	231			231			265			-	-	-
1603	279			266			313			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	L _T	T	L _E	ØE
1601	210	93	82	42 h6
1602	258			
1603	306			
1604	354			



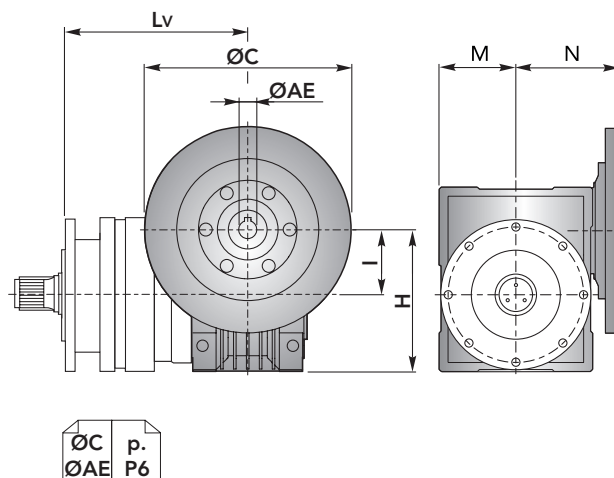


DIMENSIONI · DIMENSIONS

CHPL 1600 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	242.5	50	110	60	80	252	63	135	72	95
1602	290.5					300				
1603	338.5					348				
1604	386.5					396				

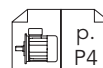
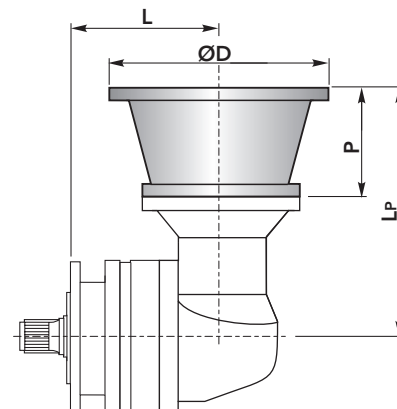
CHPL	CHM 75				
	Lv	I	H	M	N
1601	231	75	161	86	112.5
1602	279				
1603	327				
1604	375				



CHPLB 1600 CMS - Flange motori IEC | *IEC Motor flanges*

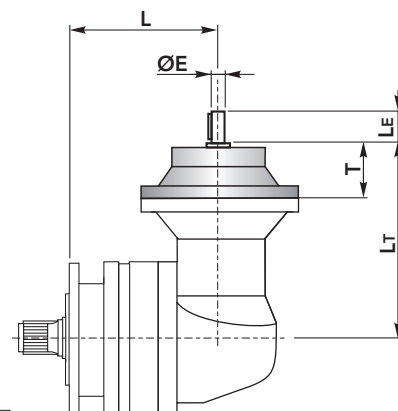
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	196	36	140	192	196	36	160	192	216	56	200	192	216	56	200
1603	240				240				240				240			
1604	288				288				288				288			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	226	66	250	192	226	66	250	192	260	100	300
1603	240				240				240			
1604	288											

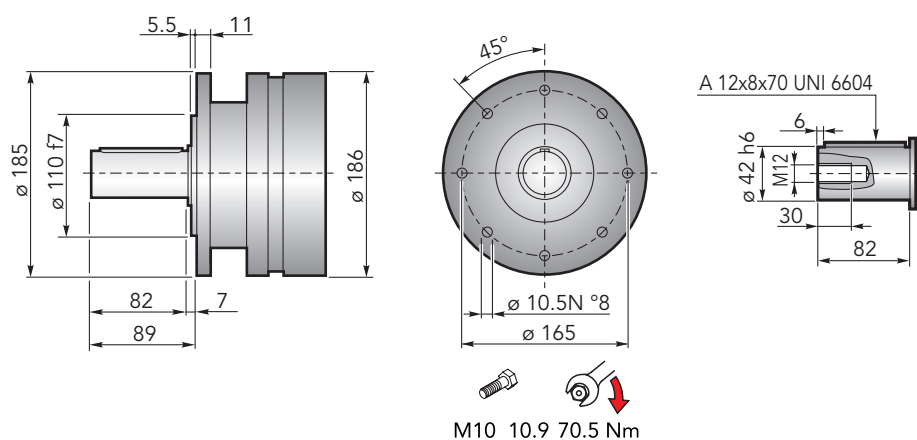


CHPLB 1600 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1602	192	253	93	82	42 h6
1603	240				
1604	288				



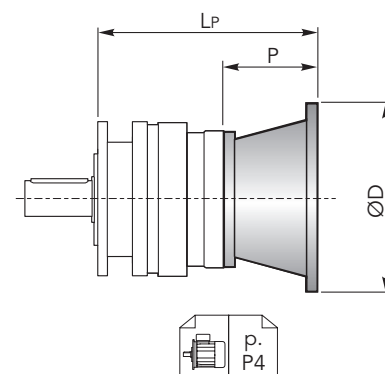
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CHPL 1600 CMC - Flange motori IEC | IEC Motor flanges

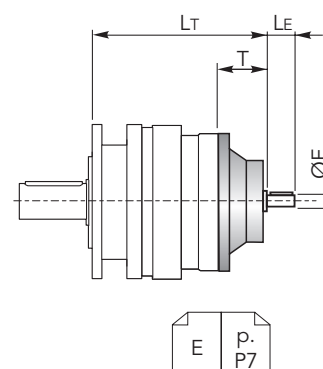
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	153	36	140	153	36	160	173	56	200	173	56	200
1602	201			201			221			221		
1603	249			249			269			269		
1604	297			297			317			317		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	183	66	250	183	66	250	217	100	300	256	139	350
1602	231			231			265			-	-	-
1603	279			266			313			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1601	210	93	82	42 h6
1602	258			
1603	306			
1604	354			



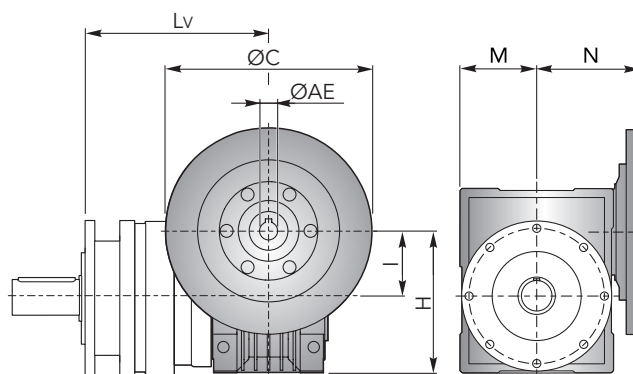


DIMENSIONI · DIMENSIONS

CHPL 1600 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	242.5	50	110	60	80	252	63	135	72	95
1602	290.5					300				
1603	338.5					348				
1604	386.5					396				

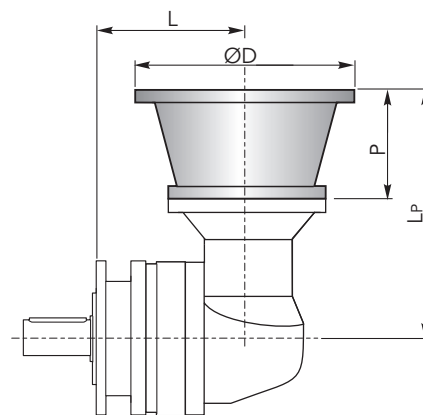
CHPL	CHM 75				
	Lv	I	H	M	N
1601	231	75	161	86	112.5
1602	279				
1603	327				
1604	375				



CHPLB 1600 CMC - Flange motori IEC | *IEC Motor flanges*

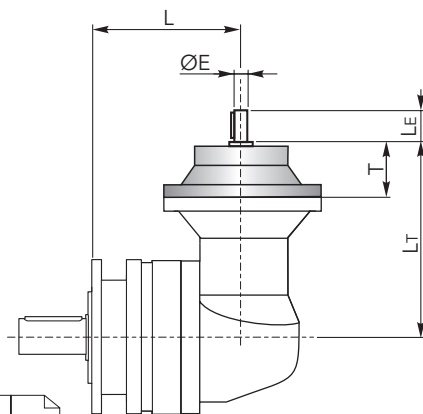
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	196	36	140	192	196	36	160	192	216	56	200	192	216	56	200
1603	240				240				240				240			
1604	288				288				288				288			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	226	66	250	192	226	66	250	192	260	100	300
1603	240				240				240			
1604	288											

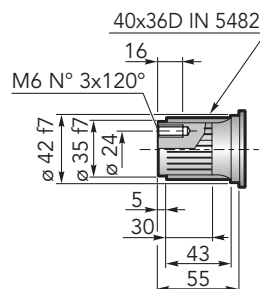
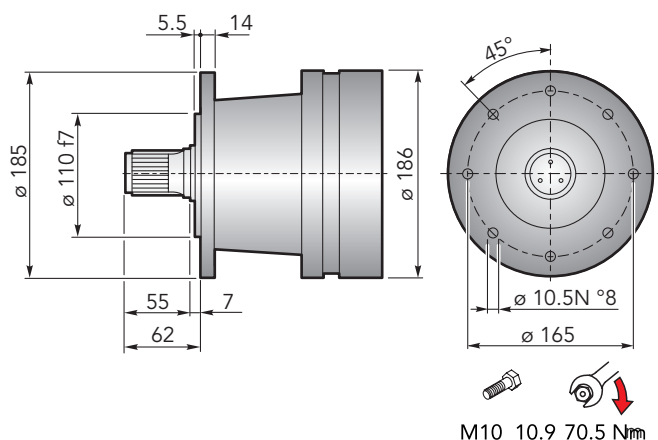


CHPLB 1600 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1602	192	253	93	82	42 h6
1603	240				
1604	288				



DIMENSIONI · DIMENSIONS



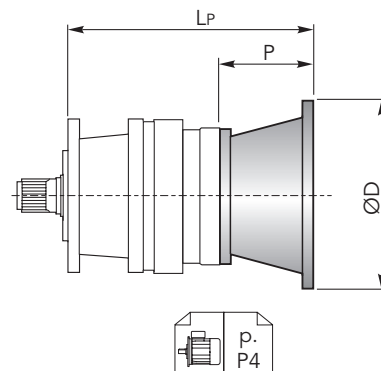
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CHPL 1600 CPS - Flange motori IEC | IEC Motor flanges

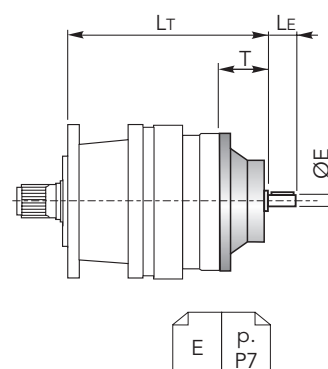
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	183	36	140	183	36	160	203	56	200	203	56	200
1602	231			231			251			251		
1603	279			279			299			299		
1604	327			327			347			347		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	213	66	250	213	66	250	247	100	300	286	139	350
1602	261			261			295			-	-	-
1603	309			309			343			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1601	240	93	82	42 h6
1602	288			
1603	336			
1604	384			



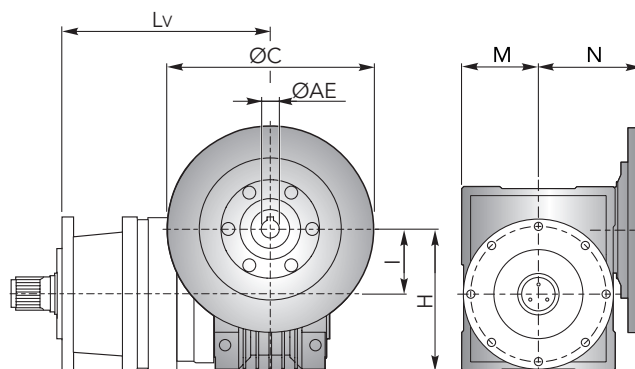


DIMENSIONI · DIMENSIONS

CHPL 1600 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	272.5	50	110	60	80	282	63	135	72	95
1602	320.5					330				
1603	368.5					378				
1604	416.5					426				

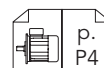
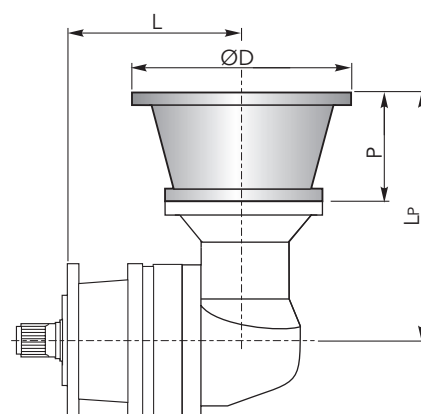
CHPL	CHM 75				
	Lv	I	H	M	N
1601	261	75	161	86	112.5
1602	309				
1603	357				
1604	405				



CHPLB 1600 CPS - Flange motori IEC | *IEC Motor flanges*

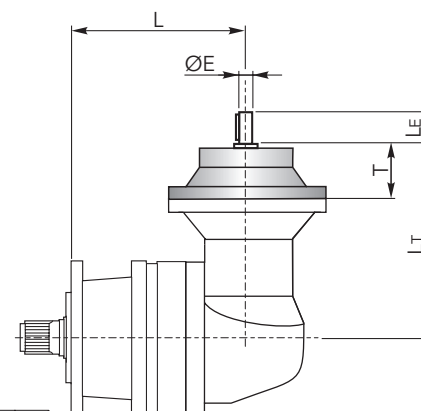
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	222	196	36	140	222	196	36	160	222	216	56	200	222	216	56	200
1603	270				270				270				270			
1604	318				318				318				318			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	222	226	66	250	222	226	66	250	222	260	100	300
1603	270				270				270			
1604	318				318				318			

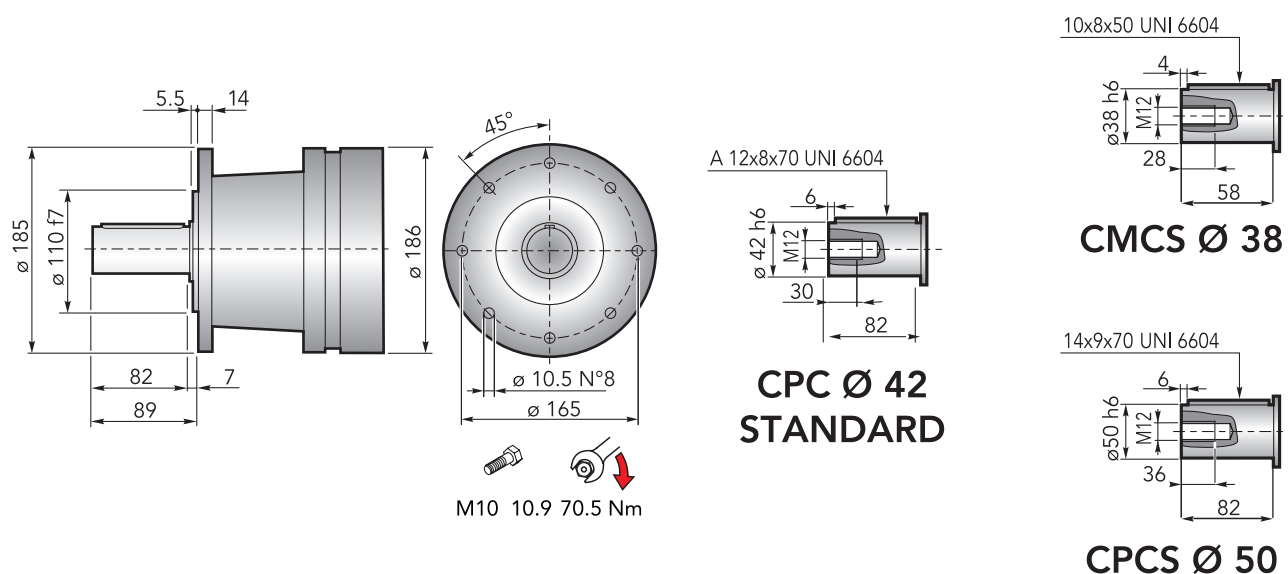


CHPLB 1600 CPS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	Lt	T	Le	ØE
1602	222	253	93	82	42 h6
1603	270				
1604	318				



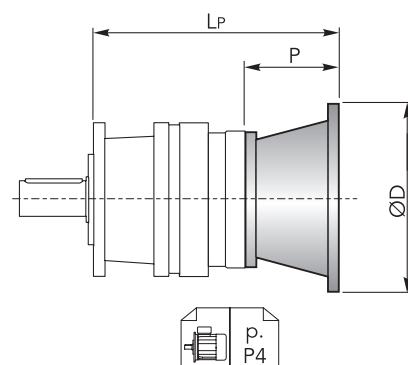
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CHPL 1600 CPC - Flange motori IEC | IEC Motor flanges

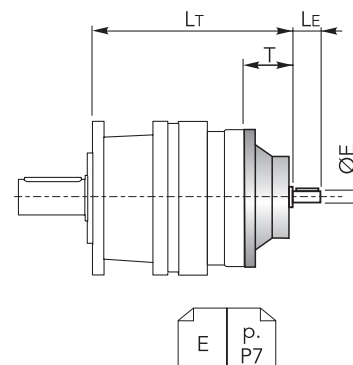
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	183	36	140	183	36	160	203	56	200	203	56	200
1602	231			231			251			251		
1603	279			279			299			299		
1604	327			327			347			347		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	213	66	250	213	66	250	247	100	300	286	139	350
1602	261			261			295			-	-	-
1603	309			309			343			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1601	240	93	82	42 h6
1602	288			
1603	336			
1604	384			



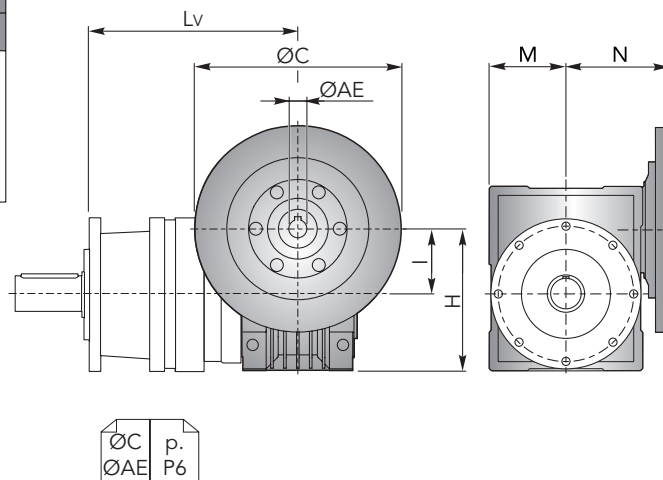


DIMENSIONI · DIMENSIONS

CHPL 1600 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	272.5	50	110	60	80	282	63	135	72	95
1602	320.5					330				
1603	368.5					378				
1604	416.5					426				

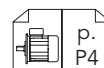
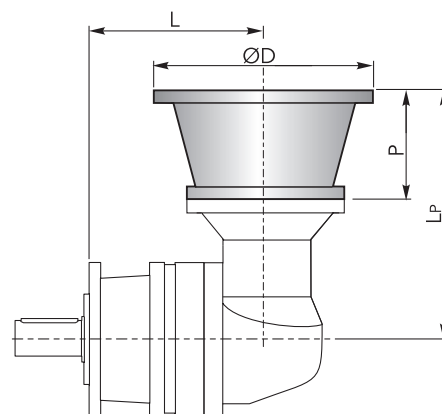
CHPL	CHM 75				
	Lv	I	H	M	N
1601	261	75	161	86	112.5
1602	309				
1603	357				
1604	405				



CHPLB 1600 CPC - Flange motori IEC | *IEC Motor flanges*

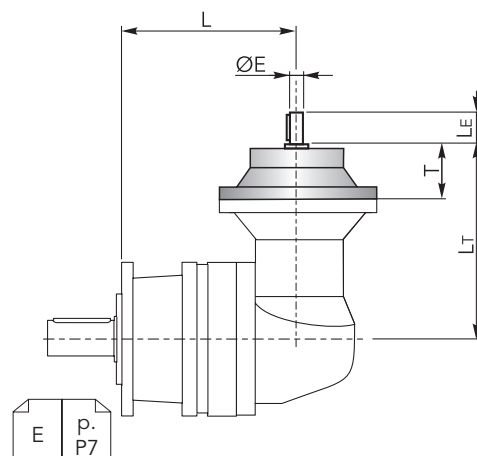
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	222	196	36	140	222	196	36	160	222	216	56	200	222	216	56	200
1603	270				270				270				270			
1604	318				318				318				318			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	222	226	66	250	222	226	66	250	222	260	100	300
1603	270				270				270			
1604	318				-				-			

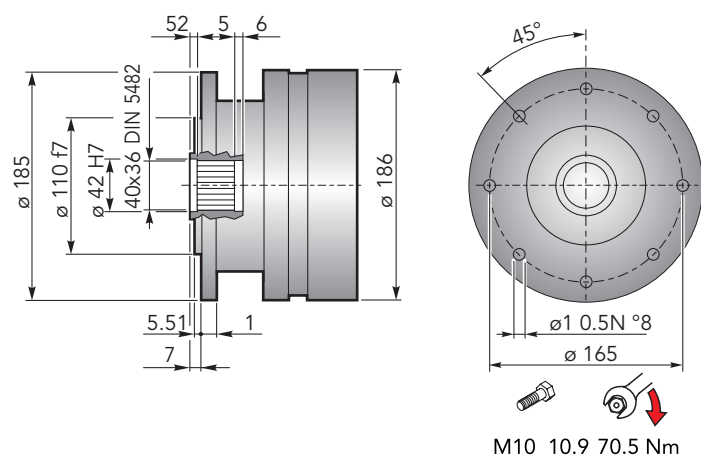


CHPLB 1600 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1602	222	253	93	82	42 h6
1603	270				
1604	318				



DIMENSIONI · DIMENSIONS

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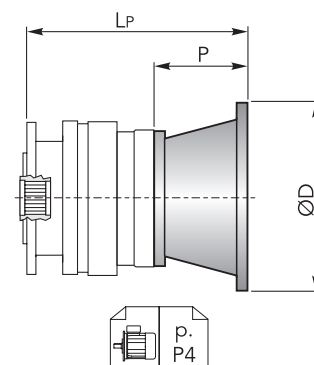
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CHPL 1600 CF - Flange motori IEC | IEC Motor flanges

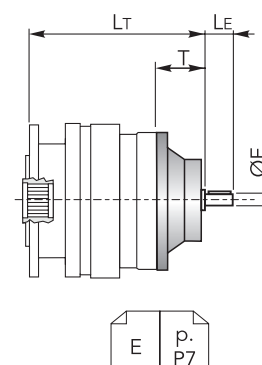
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1601	153	36	140	153	36	160	173	56	200	173	56	200
1602	201			201			221			221		
1603	249			249			269			269		
1604	297			297			317			317		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
1601	183	66	250	183	66	250	217	100	300	256	139	350
1602	231			231			265			-	-	-
1603	279			266			313			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	L _T	T	L _E	ØE
1601	210	93	82	42 h6
1602	258			
1603	306			
1604	354			



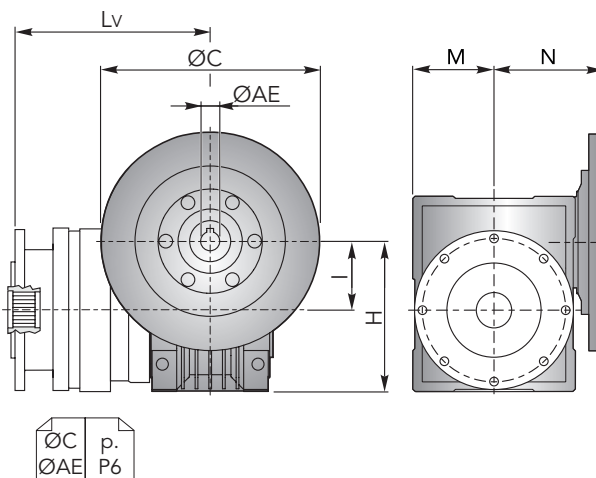


DIMENSIONI · DIMENSIONS

CHPL 1600 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	242.5	50	110	60	80	252	63	135	72	95
1602	290.5					300				
1603	338.5					348				
1604	386.5					396				

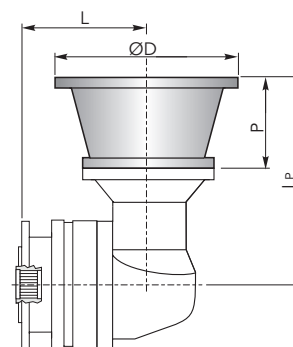
CHPL	CHM 75				
	Lv	I	H	M	N
1601	231	75	161	86	112.5
1602	279				
1603	327				
1604	375				



CHPLB 1600 CF - Flange motori IEC | *IEC Motor flanges*

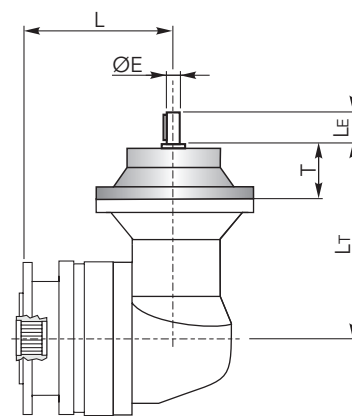
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1602	192	196	36	140	192	196	36	160	192	216	56	200	192	216	56	200
1603	240				240				240				240			
1604	288				288				288				288			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1602	192	226	66	250	192	226	66	250	192	260	100	300
1603	240				240				240			
1604	288											

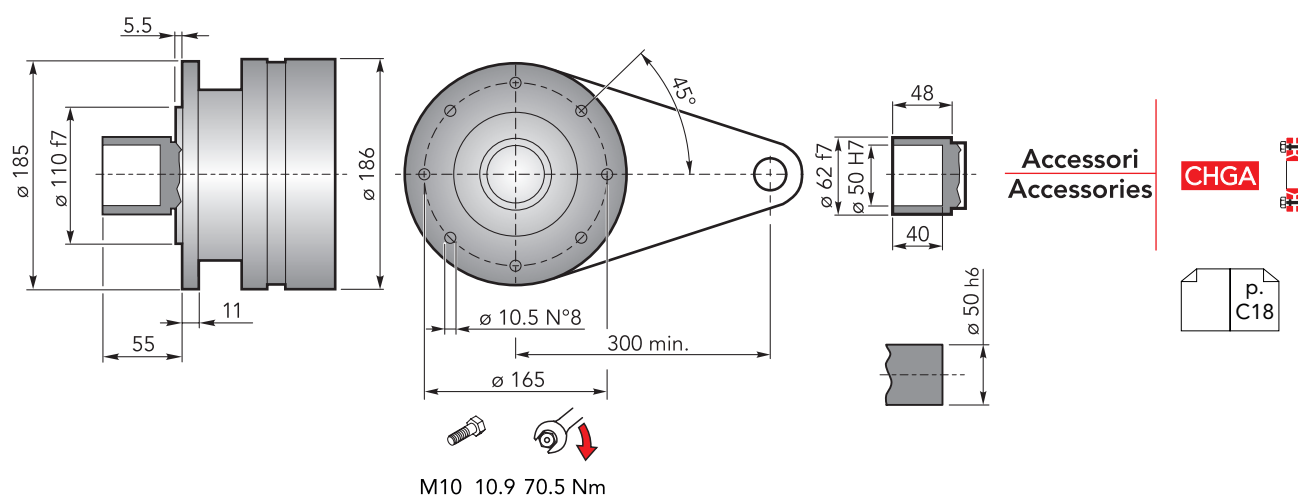


CHPLB 1600 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	Lt	T	Le	ØE
1602	192	253	93	82	42 h6
1603	240				
1604	288				



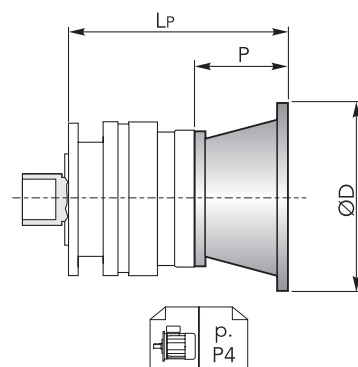
DIMENSIONI · DIMENSIONS



CHPL 1600 CFS - Flange motori IEC | IEC Motor flanges

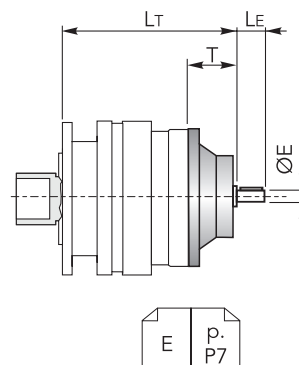
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	153	36	140	153	36	160	173	56	200	173	56	200
1602	201			201			221			221		
1603	249			249			269			269		
1604	297			297			317			317		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	183	66	250	183	66	250	217	100	300	256	139	350
1602	231			231			265			-	-	-
1603	279			266			313			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1601	210	93	82	42 h6
1602	258			
1603	306			
1604	354			



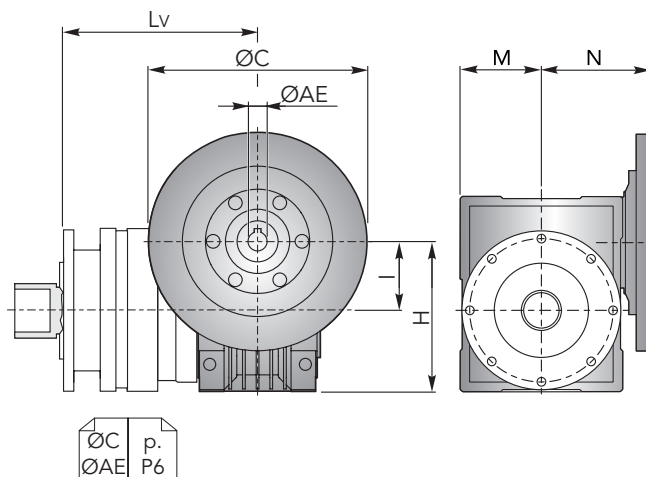


DIMENSIONI · DIMENSIONS

CHPL 1600 CFS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	242.5	50	110	60	80	252	63	135	72	95
1602	290.5					300				
1603	338.5					348				
1604	386.5					396				

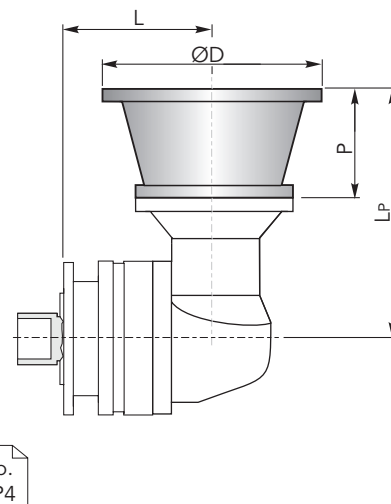
CHPL	CHM 75				
	Lv	I	H	M	N
1601	231	75	161	86	112.5
1602	279				
1603	327				
1604	375				



CHPLB 1600 CFS - Flange motori IEC | *IEC Motor flanges*

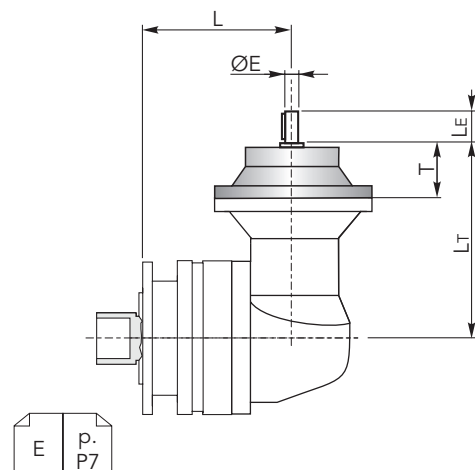
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	196	36	140	192	196	36	160	192	216	56	200	192	216	56	200
1603	240				240				240				240			
1604	288				288				288				288			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
1602	192	226	66	250	192	226	66	250	192	260	100	300
1603	240				240				240			
1604	288											

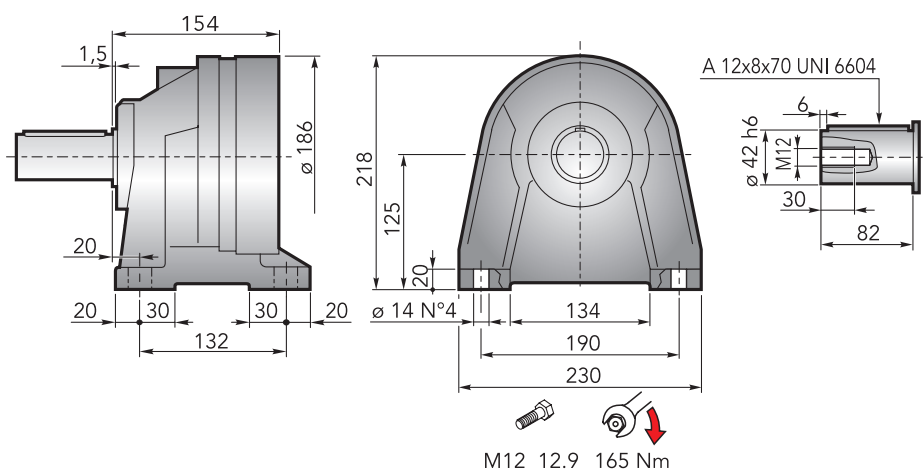


CHPLB 1600 CFS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	LT	T	LE	ØE
1602	192	253	93	82	42 h6
1603	240				
1604	288				



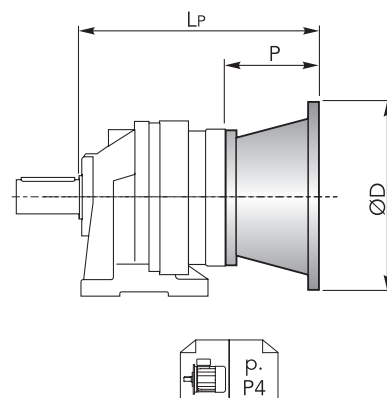
DIMENSIONI · DIMENSIONS



CHPL 1600 CCPC - Flange motori IEC | IEC Motor flanges

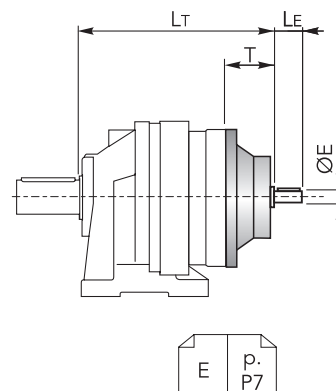
CHPL	IEC 63			IEC 71			IEC 80			IEC 90		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	190	36	140	190	36	160	210	56	200	210	56	200
1602	238			238			258			258		
1603	286			286			306			306		
1604	334			334			354			354		

CHPL	IEC 100			IEC 112			IEC 132			IEC 160		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
1601	220	66	250	220	66	250	254	100	300	293	139	350
1602	268			268			302			-	-	-
1603	316			316			350			-	-	-
1604	-			-			-			-	-	-



CHPL 1600 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42			
	LT	T	LE	ØE
1601	247	93	82	42 h6
1602	295			
1603	343			
1604	391			



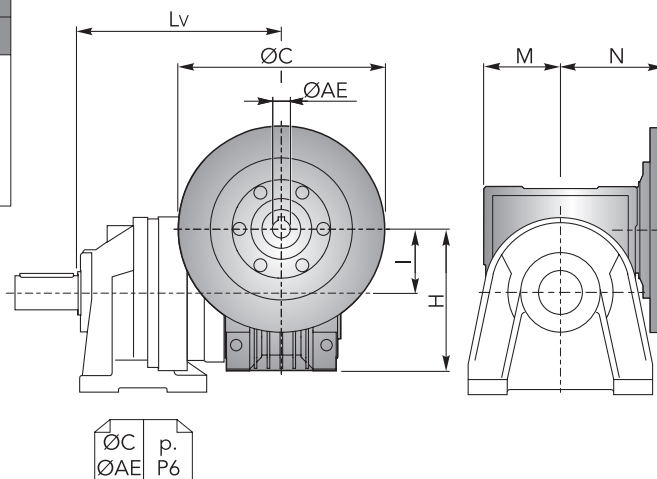


DIMENSIONI · DIMENSIONS

CHPL 1600 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
1601	279.5	50	110	60	80	289	63	135	72	95
1602	327.5					337				
1603	375.5					385				
1604	423.5					433				

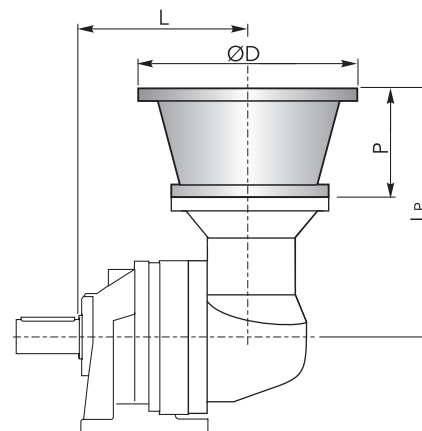
CHPL	CHM 75				
	Lv	I	H	M	N
1601	268	75	161	86	112.5
1602	316				
1603	364				
1604	412				



CHPLB 1600 CCPC - Flange motori IEC | *IEC Motor flanges*

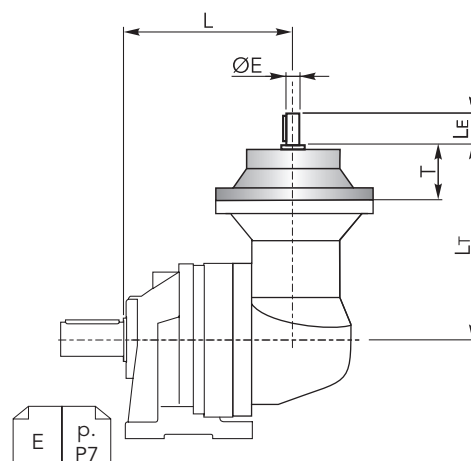
CHPLB	IEC 71				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1602	229	196	36	140	229	196	36	160	229	216	56	200	229	216	56	200
1603	277				277				277				277			
1604	325				325				325				325			

CHPLB	IEC 100				IEC 112				IEC 132			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
1602	229	226	66	250	229	226	66	250	229	260	100	300
1603	277				277				277			
1604												



CHPLB 1600 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42				
	L	Lt	T	Le	ØE
1602	229	253	93	82	42 h6
1603	277				
1604	325				

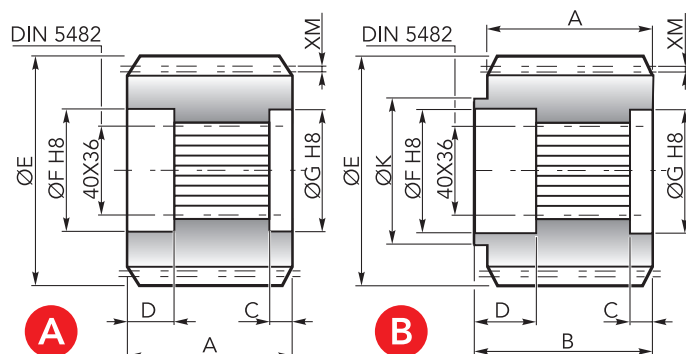


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

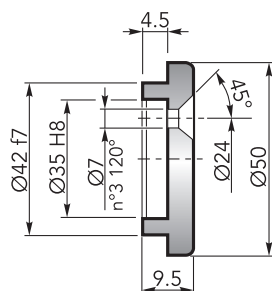


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS CPS	1.9	20	0.05	65	-	6	20.5	84.5	42	42	-	1071.200.042
		5	16	2.5	55	-	6	20.5	95	42	42	-	1071.259.042
B	CMS CPS	3.5	23	0	40	60.5	6	20.5	87.5	42	42	60	1071.291.042

CHFF



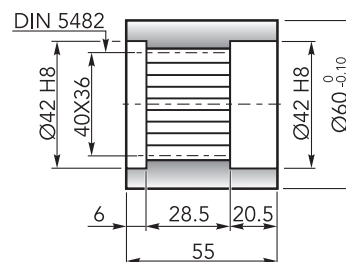
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.034.000

CHBS



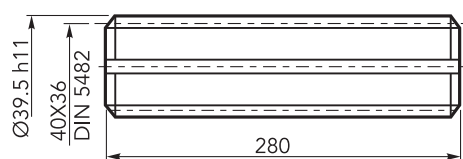
Boccola scanalata | Splined bushing

Codice / Code:
0171.100.076

CHKB



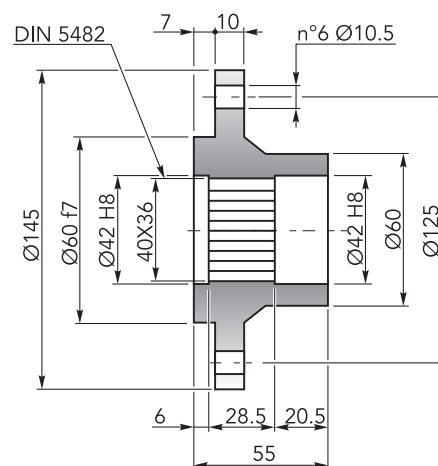
Barra scanalata | Splined rod

Codice / Code:
3071.179.042

CHFL



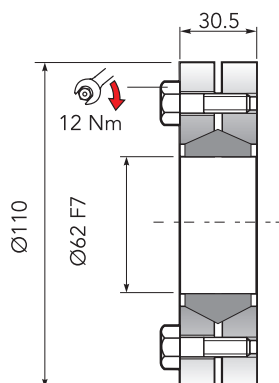
Flangia | Flange

Codice / Code:
0171.102.025

CHGA



Giunto di attrito | Shrink disc

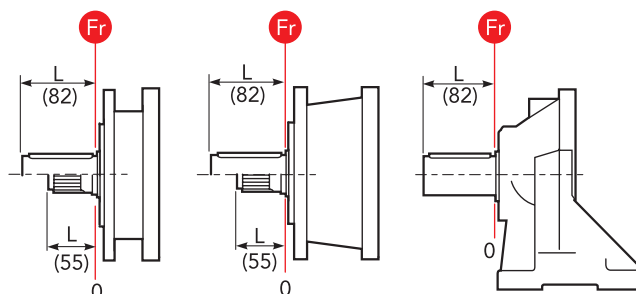
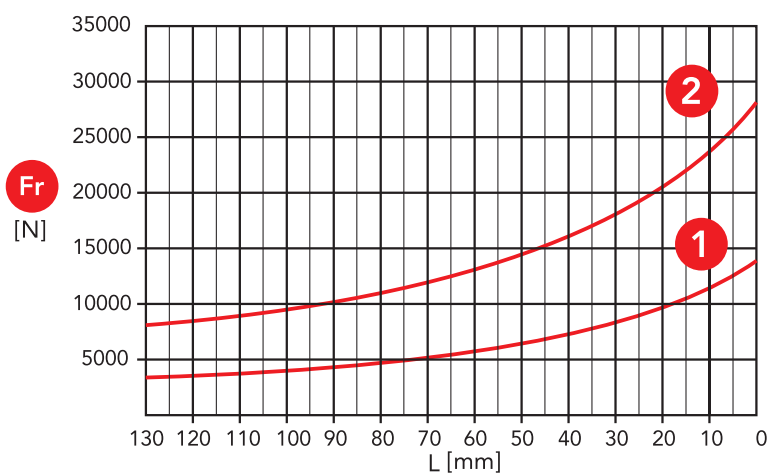
Codice / Code:
5109.062.000Coppia max: 2200 Nm (1)
Max Torque: 2200 Nm (1)(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.
(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



1

2

2

1

Uscita / Output: CMS, CMC

2

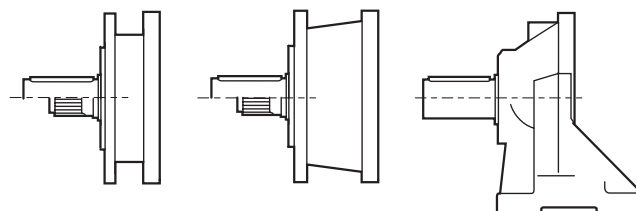
Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa	16000	18000	←
[N]	16000	18000	→



1

2

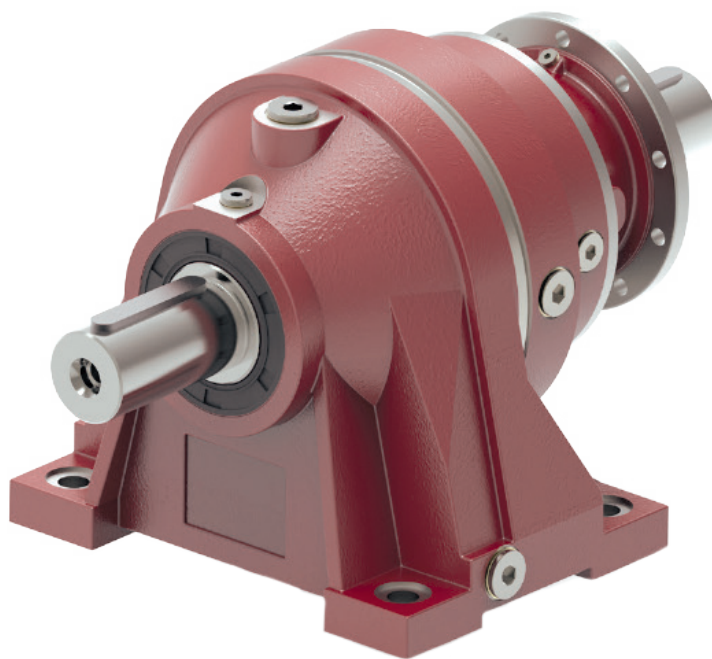
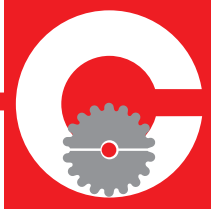
2

1

Uscita / Output: CMS, CMC

2

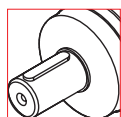
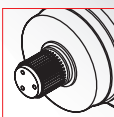
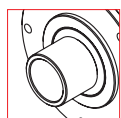
Uscita / Output: CPS, CPC, CCPC



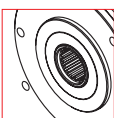
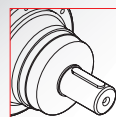
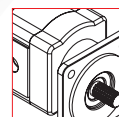
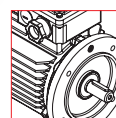
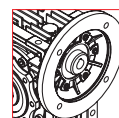
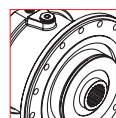


CHPL

	i	
2501	$3.78 \div 7.25$	1 reduction stage
2502	$13.4 \div 62.8$	2 reduction stages
2503	$52.1 \div 424.1$	3 reduction stages
2504	$352.0 \div 2369.2$	4 reduction stages

OUTØ65
Ø6058x53
DIN 5482

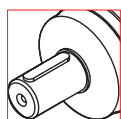
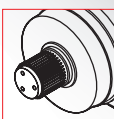
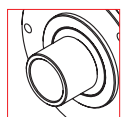
Ø75

58x53
DIN 5482**IN**Ø42
Ø65Hydraulic
MotorElectric
MotorWorm
gearboxes

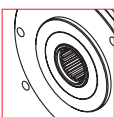
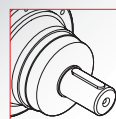
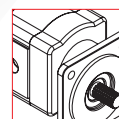
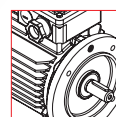
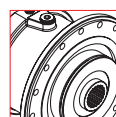
Brake

CHPLB

	i	
2502	$12.1 \div 21.3$	2 reduction stages
2503	$39.4 \div 143.5$	3 reduction stages
2504	$140.1 \div 1244.1$	4 reduction stages

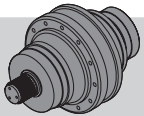
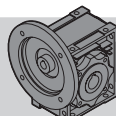
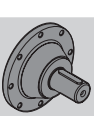
OUTØ65
Ø6058x53
DIN 5482

Ø75

58x53
DIN 5482**IN**Ø42
Ø65Hydraulic
MotorElectric
Motor

Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP							
2501	3.78	1447	59.4	7180	20	63	71	CHM 50 CHM 75	CHM 63 CHM 90	CM42 CM65 CP 65						
	4.13	1359	49.95	6500		80	90									
	5.17	1173	34.5	5420		100	112									
	6	1017	25.76	4540		132	160									
	7.25	823	17.25	3520		180										
2502	13.4	1851	21.75	7180	12	63 80 100 132	71 90 112 160	CHM 50 CHM 75	CHM 63 CHM 90	CM42						
	16.2	1930	18.75	7180												
	18.4	1479	12.65	5420												
	23.1	1857	12.65	6500												
	28.9	1598	8.7	5420												
	34.9	1663	7.5	5420												
	40.5	1415	5.5	4540												
	48.9	1165	3.75	3520												
62.8	1186	2.97	3520													
2503	52.1	2109	6.6	6500	8	63 80 100 132	71 90 112	CHM 50 CHM 75	CHM 63 CHM 90	CM42						
	57.6	2330	6.6	7180												
	62.9	2205	5.72	6500												
	75.2	2535	5.5	7180												
	82.1	2265	4.5	6500												
	90.7	2569	4.62	7180												
	99	2366	3.9	6500												
	119.3	2524	3.45	6500												
	129.4	2445	3.08	6500												
	149.5	2117	2.31	5420												
	155.9	2523	2.64	6500												
	162	2161	2.17	5420												
	173.6	1836	1.72	4540												
	195.3	2245	1.87	5420												
	235.4	2303	1.59	5420												
	273.4	1937	1.15	4540												
	302.2	2344	1.26	5420												
	330.3	1573	0.77	3520												
	424.1	1170	0.45	3520												
	2504	352	2977	1.43							6500	4	63 80 100	71 90 112	CHM 50 CHM 75	CHM 63 CHM 90
365.8		2403	1.11	5420												
388.6		3287	1.43	7180												
413.9		3368	1.38	7180												
424.3		3036	1.21	6500												
468.4		3353	1.21	7180												
511.4		3134	1.04	6500												
554.4		3154	0.96	6500												
612		3616	1.0	7180												
668.2		3217	0.82	6500												
737.7		3715	0.85	7180												
805.5		3335	0.70	6500												
858		3427	0.68	6500												
907.3		2898	0.54	5420												
1052.5		3579	0.58	6500												
1121.1		3582	0.55	6500												
1318.3		3089	0.40	5420												
1598		3159	0.34	5420												
1845.3		2751	0.25	4540												
2369.2		2860	0.21	4540												

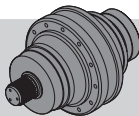
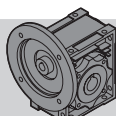
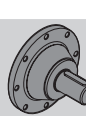
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP	
2501	3.78	1447	59.4	7180	20	63	71	CHM 50 CHM 75	CHM 63 CHM 90	CM42 CM65 CP 65
	4.13	1359	49.95	6500		80	90			
	5.17	1173	34.5	5420		100	112			
	6	1017	25.76	4540		132	160			
	7.25	823	17.25	3520		180				
2502	13.4	1851	21.75	7180	12	63 80 100 132	71 90 112 160	CHM 50 CHM 75	CHM 63 CHM 90	CM42
	16.2	1930	18.75	7180						
	18.4	1479	12.65	5420						
	23.1	1857	12.65	6500						
	28.9	1598	8.7	5420						
	34.9	1663	7.5	5420						
	40.5	1415	5.5	4540						
	48.9	1165	3.75	3520						
62.8	1186	2.97	3520							
2503	52.1	2109	6.6	6500	8	63 80 100 132	71 90 112	CHM 50 CHM 75	CHM 63 CHM 90	CM42
	57.6	2330	6.6	7180						
	62.9	2205	5.72	6500						
	75.2	2535	5.5	7180						
	82.1	2265	4.5	6500						
	90.7	2569	4.62	7180						
	99	2366	3.9	6500						
	119.3	2524	3.45	6500						
	129.4	2445	3.08	6500						
	149.5	2117	2.31	5420						
	155.9	2523	2.64	6500						
	162	2161	2.17	5420						
	173.6	1836	1.72	4540						
	195.3	2245	1.87	5420						
	235.4	2303	1.59	5420						
	273.4	1937	1.15	4540						
	302.2	2344	1.26	5420						
	330.3	1573	0.77	3520						
	424.1	1170	0.45	3520						
	2504	352	2977	1.43						
365.8		2403	1.11	5420						
388.6		3287	1.43	7180						
413.9		3368	1.38	7180						
424.3		3036	1.21	6500						
468.4		3353	1.21	7180						
511.4		3134	1.04	6500						
554.4		3154	0.96	6500						
612		3616	1.0	7180						
668.2		3217	0.82	6500						
737.7		3715	0.85	7180						
805.5		3335	0.70	6500						
858		3427	0.68	6500						
907.3		2898	0.54	5420						
1052.5		3579	0.58	6500						
1121.1		3582	0.55	6500						
1318.3		3089	0.40	5420						
1598		3159	0.34	5420						
1845.3		2751	0.25	4540						
2369.2		2860	0.21	4540						

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



Technical drawing of the P4 probe head. The drawing shows a side view of the probe with a dashed centerline. Dimensions are indicated: LP for the total length, P for the length of the conical section, and $\varnothing$ for the diameter of the conical section. Below the drawing is a small icon of the probe head and the text $P \cdot P4$.

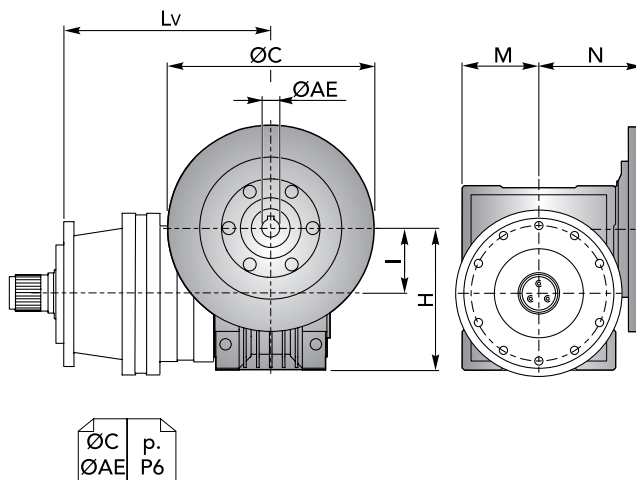


DIMENSIONI · DIMENSIONS

CHPL 2500 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	290.5	50	110	60	80	300	63	135	72	95
2502	338.5					348				
2503	386.5					396				
2504	434.5					444				

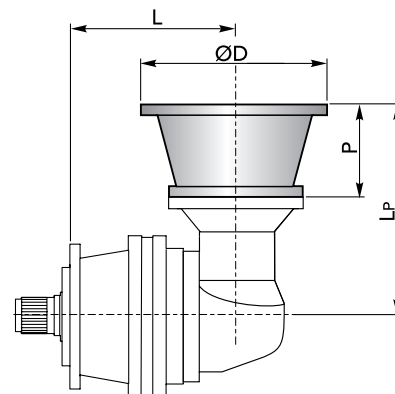
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	279	75	161	86	112.5	289	90	193	103	129.5
2502	327					337				
2503	375					385				
2504	423					433				



CHPLB 2500 CMS - Flange motori IEC | *IEC Motor flanges*

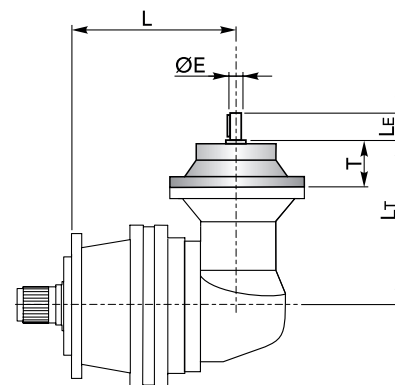
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	196	36	140	240	196	36	160	240	216	56	200	240	216	56	200
2503	288				288				288				288			
2504	336				336				336				336			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	226	66	250	240	226	66	250	240	260	100	300	240	299	139	350
2503	288				288				288				-			
2504	336				336				-				-			

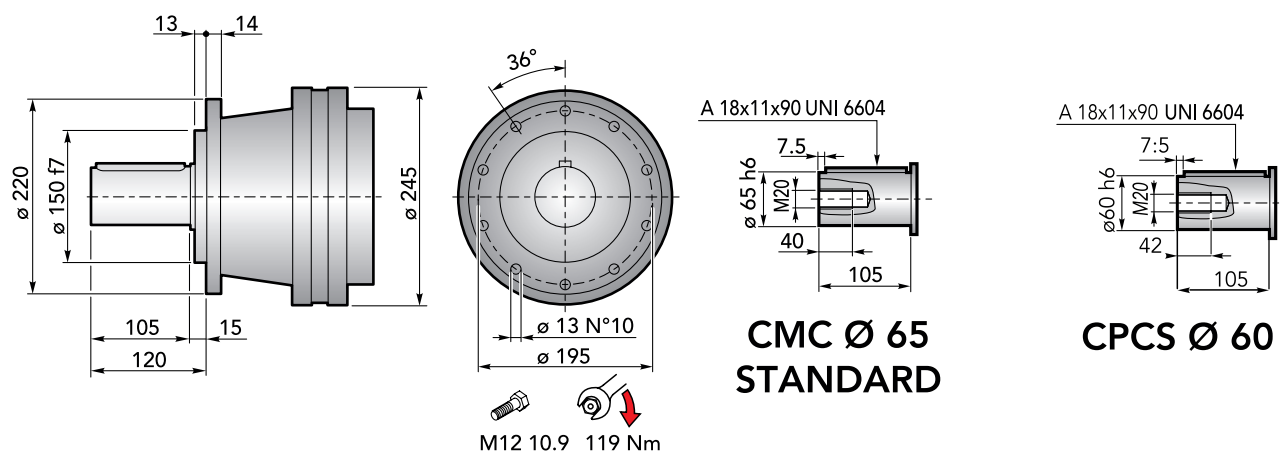


CHPLB 2500 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
2502	240	253	93	82	42 h6	240	297.5	121.5	105	65 h6	240	329	153	105	65 h6
2503	288					288					288				
2504	336					336					336				



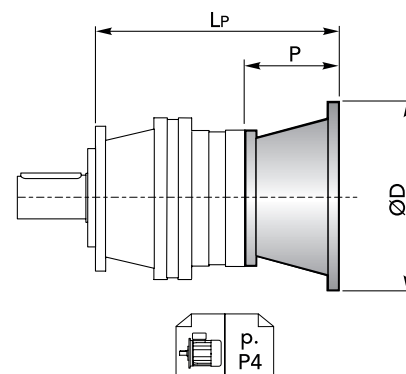
DIMENSIONI · DIMENSIONS



CHPL 2500 CMC - Flange motori IEC | IEC Motor flanges

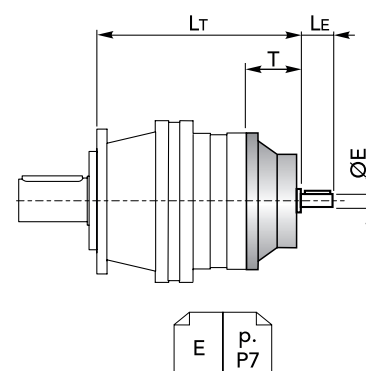
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	201	36	140	201	36	160	221	56	200	221	56	200	231	66	250
2502	249			249			269			269			279		
2503	297			297			317			317			327		
2504	345			345			365			365			375		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	231	66	250	265	100	300	304	139	350	304	139	350
2502	279			313			352			-		
2503	327			361			-			-		
2504	375			-			-			-		



CHPL 2500 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
2501	258	93	82	42 h6	300	121.5	105	65 h6	331.5	153	105	65 h6
2502	306				-	-	-	-	-	-	-	-
2503	354				-	-	-	-	-	-	-	-
2504	402				-	-	-	-	-	-	-	-



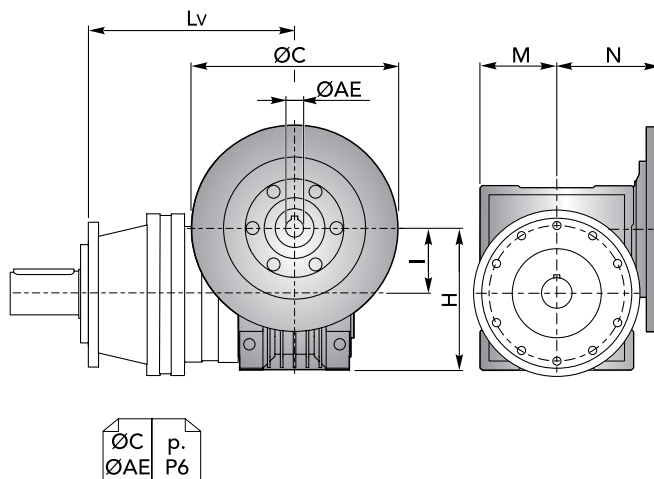


DIMENSIONI · DIMENSIONS

CHPL 2500 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	290.5	50	110	60	80	300	63	135	72	95
2502	338.5					348				
2503	386.5					396				
2504	434.5					444				

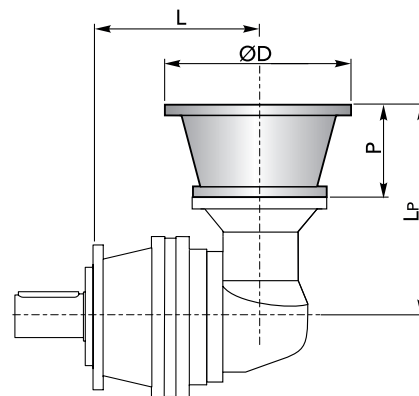
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	279	75	161	86	112.5	289	90	193	103	129.5
2502	327					337				
2503	375					385				
2504	423					433				



CHPLB 2500 CMC - Flange motori IEC | *IEC Motor flanges*

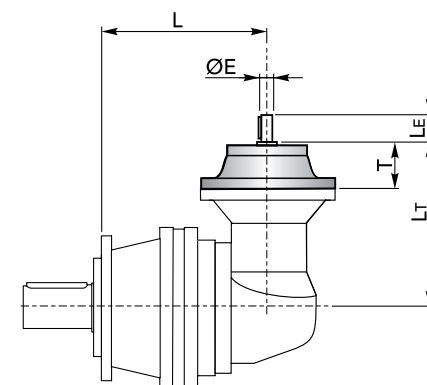
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	196	36	140	240	196	36	160	240	216	56	200	240	216	56	200
2503	288				288				288				288			
2504	336				336				336				336			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	226	66	250	240	226	66	250	240	260	100	300	240	299	139	350
2503	288				288				288				-			
2504	336				336				-				-			

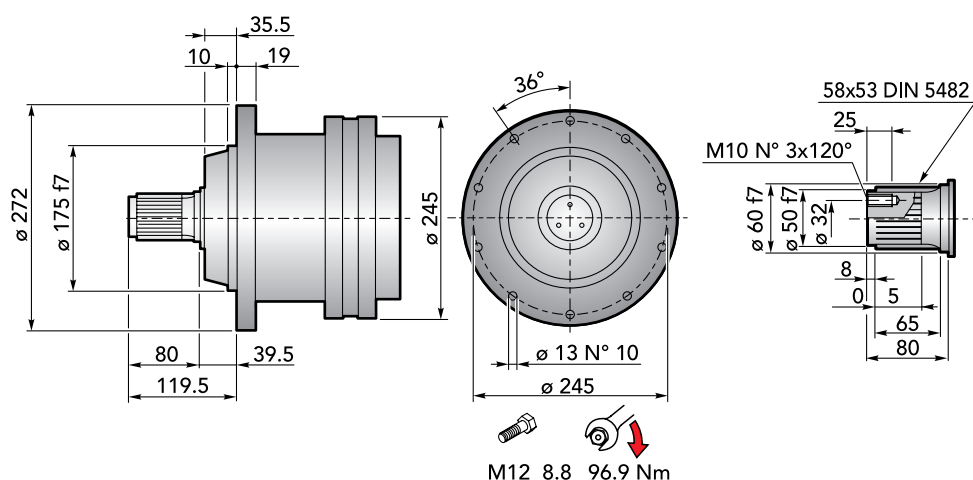


CHPLB 2500 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
2502	240	253	93	82	42 h6	240	297.5	121.5	105	65 h6	240	329	153	105	65 h6
2503	288					288					288				
2504	336					336					336				



DIMENSIONI · DIMENSIONS



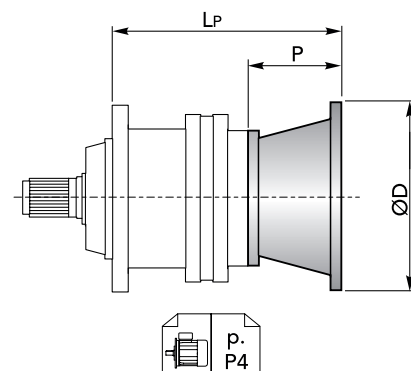
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CHPL 2500 CPS - Flange motori IEC | IEC Motor flanges

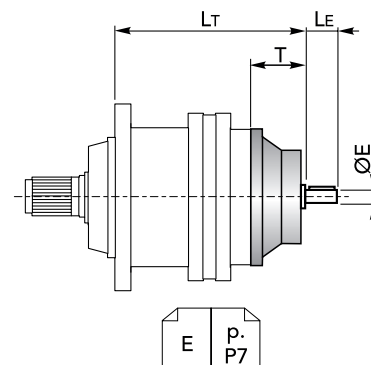
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
2501	208			208			228			228			238		
2502	256	36	140	256	36	160	276	56	200	276	56	200	286	66	250
2503	304			304			324			324			334		
2504	352			352			372			372			382		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
2501	238			272			311			311	139	350
2502	286	66	250	320	100	300	359	139	350	-	-	-
2503	334			368			-	-	-	-	-	-
2504	382			-	-	-	-	-	-	-	-	-



CHPL 2500 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
2501	265				307	121.5	105	65 h6	338.5	153	105	65 h6
2502	313	93	82	42 h6	-	-	-	-	-	-	-	-
2503	361				-	-	-	-	-	-	-	-
2504	409				-	-	-	-	-	-	-	-



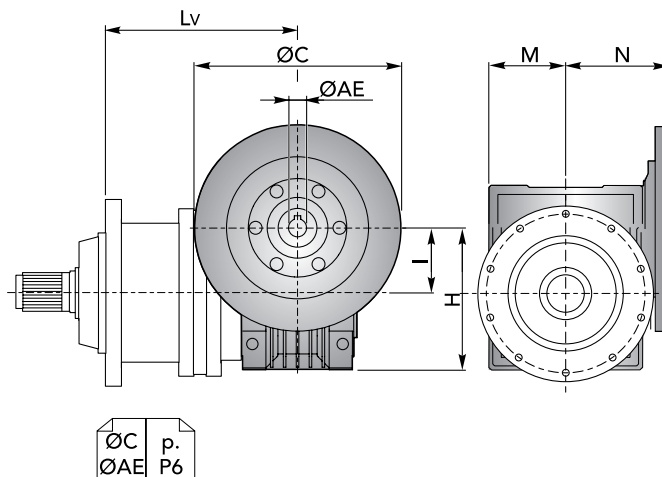


DIMENSIONI · DIMENSIONS

CHPL 2500 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	297.5	50	110	60	80	307	63	135	72	95
2502	345.5					355				
2503	393.5					403				
2504	441.5					451				

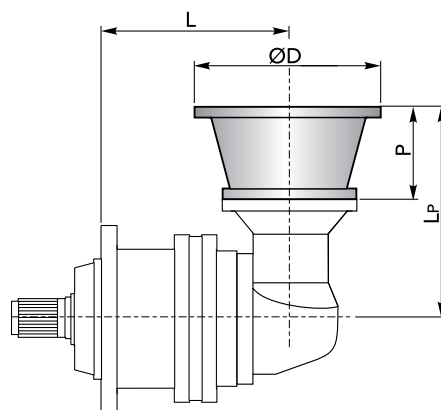
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	286	75	161	86	112.5	296	90	193	103	129.5
2502	334					344				
2503	382					392				
2504	430					440				



CHPLB 2500 CPS - Flange motori IEC | *IEC Motor flanges*

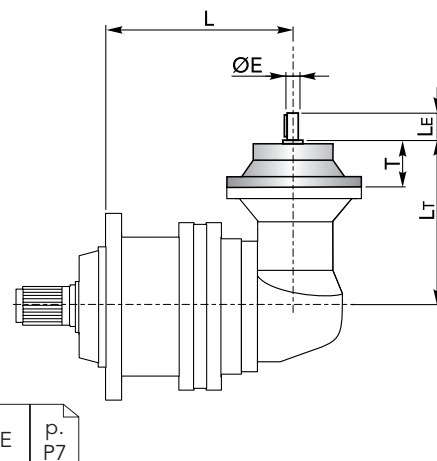
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	247	196	36	140	247	196	36	160	247	216	56	200	247	216	56	200
2503	295				295				295				295			
2504	343				343				343				343			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	247	226	66	250	247	226	66	250	247	260	100	300	247	299	139	350
2503	295				295				295				295			
2504	343				343				343				343			

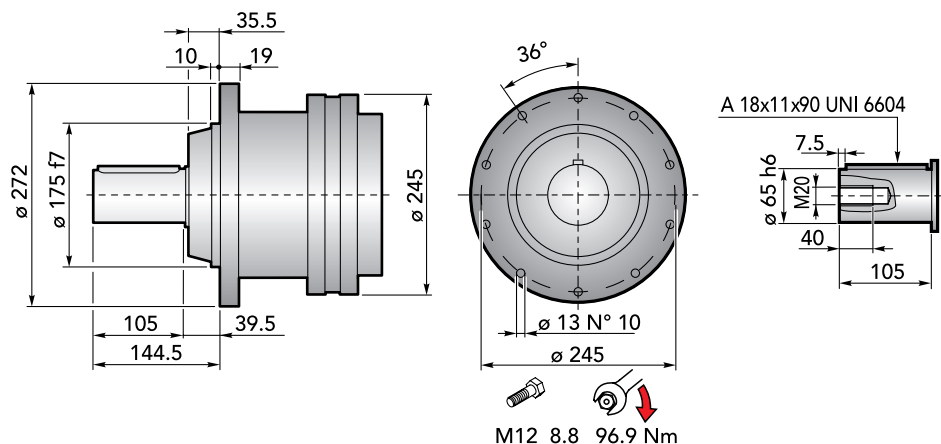


CHPLB 2500 CPS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
2502	247	253	93	82	42 h6	247	297.5	121.5	105	65 h6	247	329	153	105	65 h6
2503	295					295					295				
2504	343					343					343				



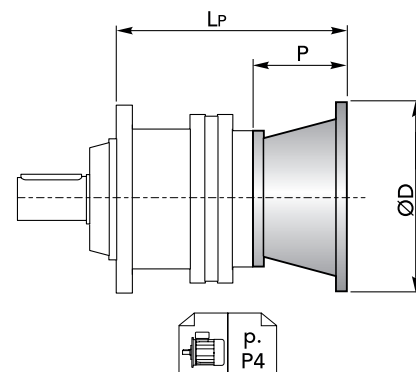
DIMENSIONI · DIMENSIONS



CHPL 2500 CPC - Flange motori IEC | IEC Motor flanges

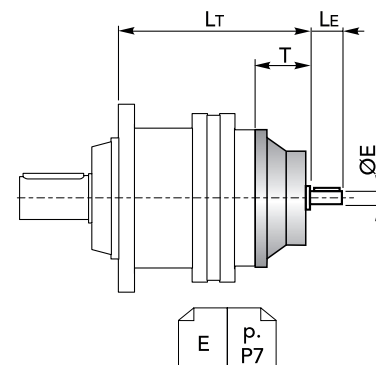
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	208	36	140	208	36	160	228	56	200	228	56	200	238	66	250
2502	256			256			276			276			286		
2503	304			304			324			324			334		
2504	352			352			372			372			382		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	238	66	250	272	100	300	311	139	350	311	139	350
2502	286			320			359			-		
2503	334			368			-			-		
2504	382			-			-			-		



CHPL 2500 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
2501	265	93	82	42 h6	307	121.5	105	65 h6	338.5	153	105	65 h6
2502	313				-	-	-	-	-	-	-	-
2503	361				-	-	-	-	-	-	-	-
2504	409				-	-	-	-	-	-	-	-



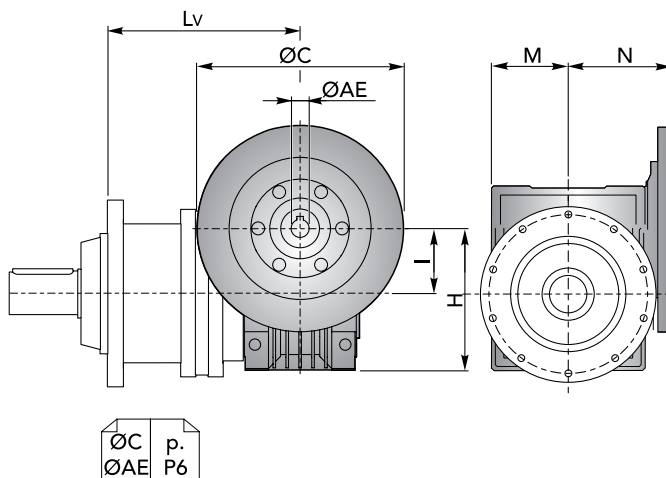


DIMENSIONI · DIMENSIONS

CHPL 2500 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	297.5	50	110	60	80	307	63	135	72	95
2502	345.5					355				
2503	393.5					403				
2504	441.5					451				

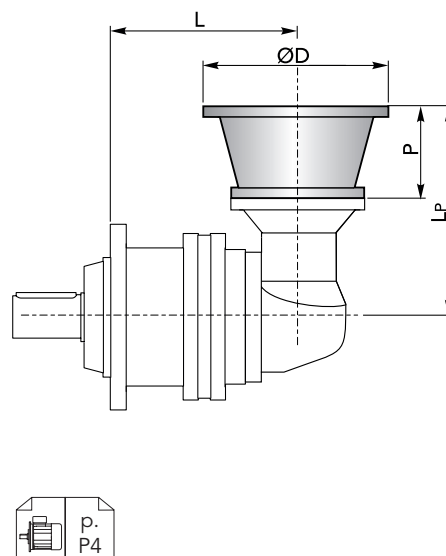
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	286	75	161	86	112.5	296	90	193	103	129.5
2502	334					344				
2503	382					392				
2504	430					440				



CHPLB 2500 CPC - Flange motori IEC | *IEC Motor flanges*

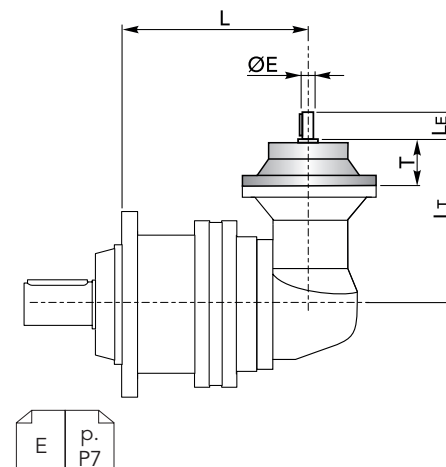
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	247	196	36	140	247	196	36	160	247	216	56	200	247	216	56	200
2503	295				295				295				295			
2504	343				343				343				343			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	247	226	66	250	247	226	66	250	247	260	100	300	247	299	139	350
2503	295				295				295				295			
2504	343				343				343				343			

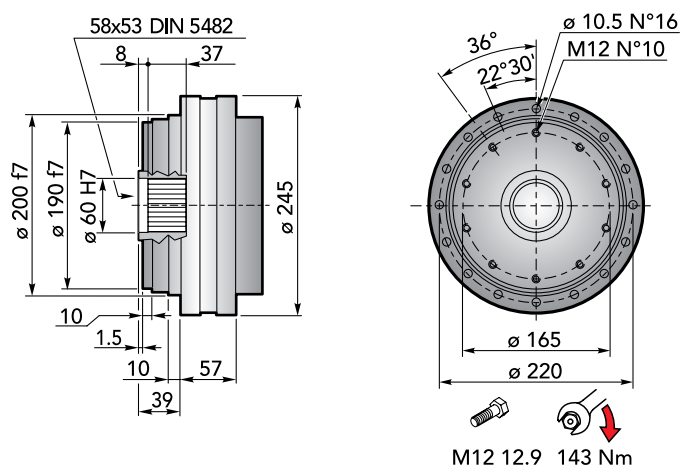


CHPLB 2500 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
2502	247	253	93	82	42 h6	247	297.5	121.5	105	65 h6	247	329	153	105	65 h6
2503	295					295					295				
2504	343					343					343				



DIMENSIONI · DIMENSIONS



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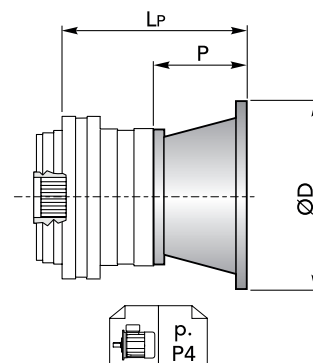
CHKB

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D18

CHPL 2500 CF - Flange motori IEC | IEC Motor flanges

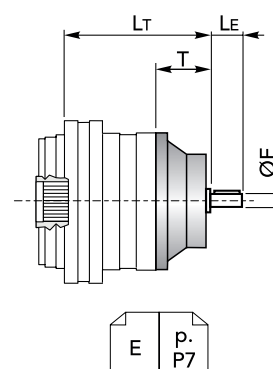
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	114.5	36	140	114.5	36	160	134.5	56	200	134.5	56	200	144.5	66	250
2502	162.5			162.5			182.5			182.5			192.5		
2503	210.5			210.5			230.5			230.5			240.5		
2504	258.5			258.5			278.5			278.5			288.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	144.5	66	250	178.5	100	300	217.5	139	350	217.5	139	350
2502	192.5			226.5			265.5			-		
2503	240.5			274.5			-			-		
2504	288.5			-			-			-		



CHPL 2500 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
2501	171.5	93	82	42 h6	213.5	121.5	105	65 h6	245	153	105	65 h6
2502	219.5				-	-	-	-	-	-	-	-
2503	267.5				-	-	-	-	-	-	-	-
2504	315.5				-	-	-	-	-	-	-	-



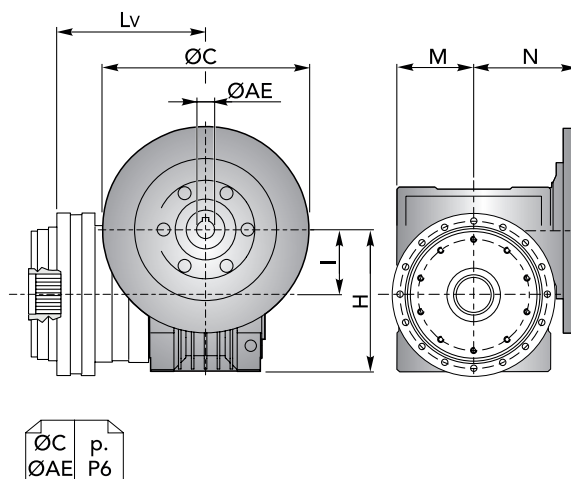


DIMENSIONI · DIMENSIONS

CHPL 2500 CF - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50						CHM 63				
	Lv	I	H	M	N	N	Lv	Lv	I	M	N
2501	204	50	110	60	80	213.5	63	135	72	95	
2502	252					261.5					
2503	300					309.5					
2504	348					357.5					

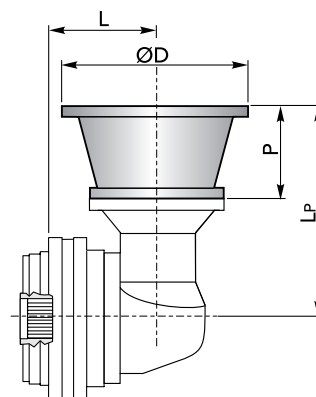
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	192.5	75	161	86	112.5	202.5	90	193	103	129.5
2502	240.5					250.5				
2503	288.5					298.5				
2504	336.5					346.5				



CHPLB 2500 CF - Flange motori IEC | IEC Motor flanges

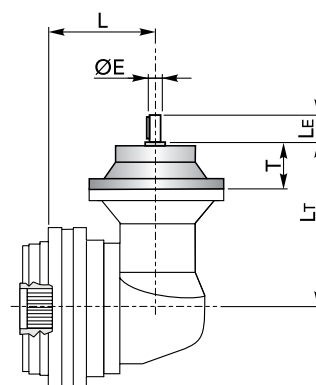
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	191	196	36	140	191	196	36	160	191	216	56	200	191	216	56	200
2503	239				239				239				239			
2504	287				287				287				287			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	191	226	66	250	191	226	66	250	191	260	100	300	191	299	139	350
2503	239				239				239				-			
2504	287				287				-				-			

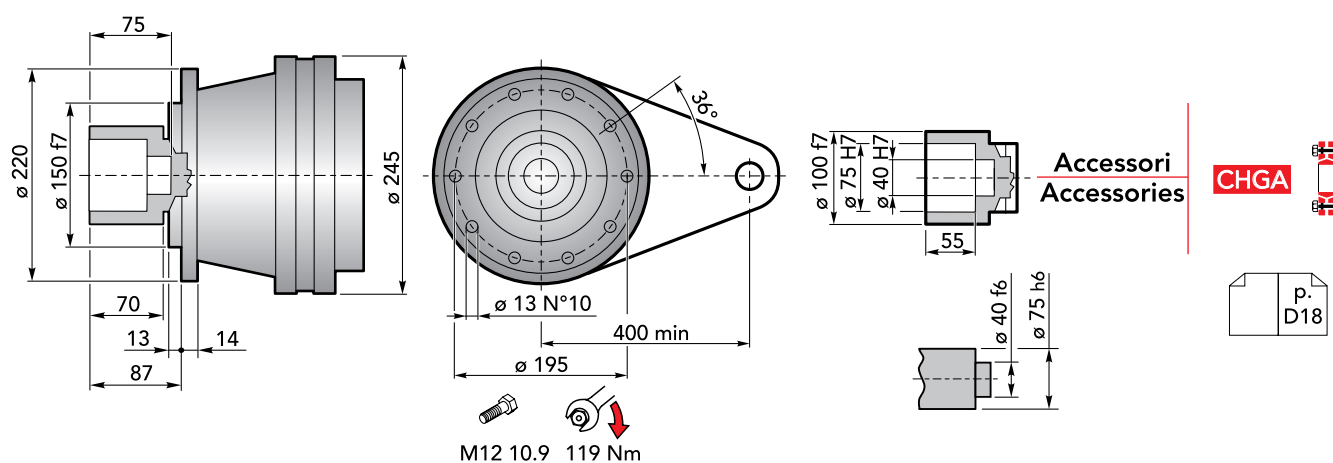


CHPLB 2500 CF - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
2502	191	253	93	82	42 h6	191	297.5	121.5	105	65 h6	191	329	153	105	65 h6
2503	239					239					239				
2504	287					287					287				



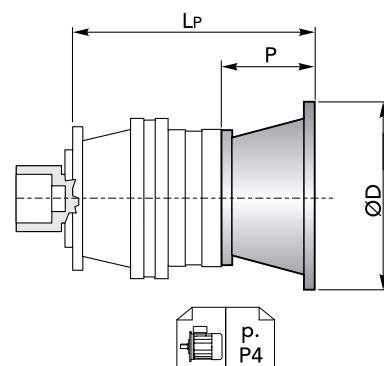
DIMENSIONI · DIMENSIONS



CHPL 2500 CFS - Flange motori IEC | IEC Motor flanges

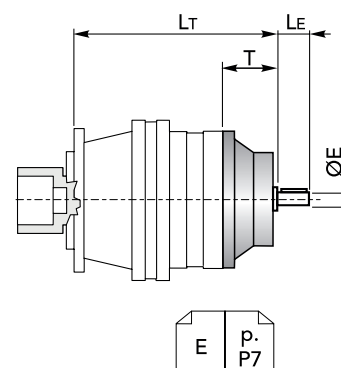
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
2501	201	36	140	201	36	160	221	56	200	221	56	200	231	66	250
2502	249			249			269			269					
2503	297			297			317			317					
2504	345			345			365			365					

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
2501	231	66	250	265	100	300	304	139	350	304	139	350
2502	279			313			352			-		
2503	327			361			-			-		
2504	375			-			-			-		



CHPL 2500 CFS - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
2501	258	93	82	42 h6	300	121.5	105	65 h6	331.5	153	105	65 h6
2502	306				-				-			
2503	354				-				-			
2504	402				-				-			



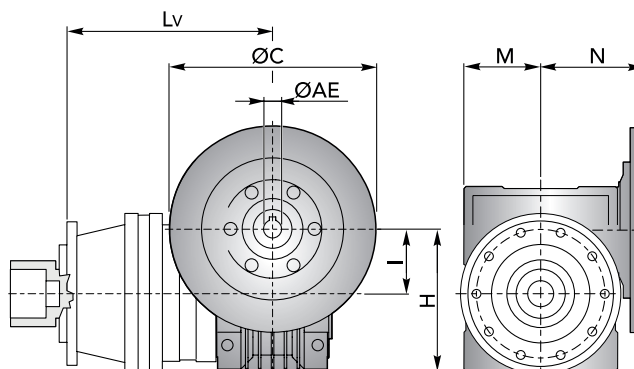


DIMENSIONI · DIMENSIONS

CHPL 2500 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	290.5	50	110	60	80	300	63	135	72	95
2502	338.5					348				
2503	386.5					396				
2504	434.5					444				

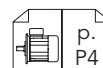
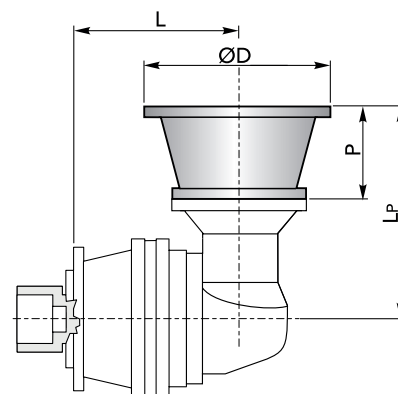
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	279	75	161	86	112.5	289	90	193	103	129.5
2502	327					337				
2503	375					385				
2504	423					433				



CHPLB 2500 CFS - Flange motori IEC | IEC Motor flanges

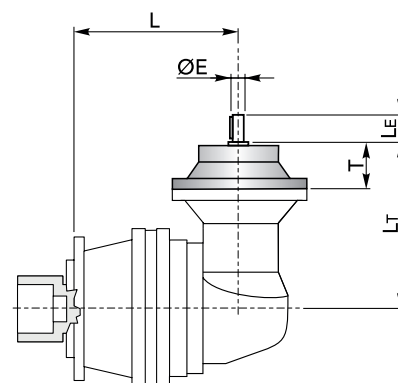
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	196	36	140	240	196	36	160	240	216	56	200	240	216	56	200
2503	288				288				288				288			
2504	336				336				336				336			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
2502	240	226	66	250	240	226	66	250	240	260	100	300	240	299	139	350
2503	288				288				288				-			
2504	336				336				-				-			

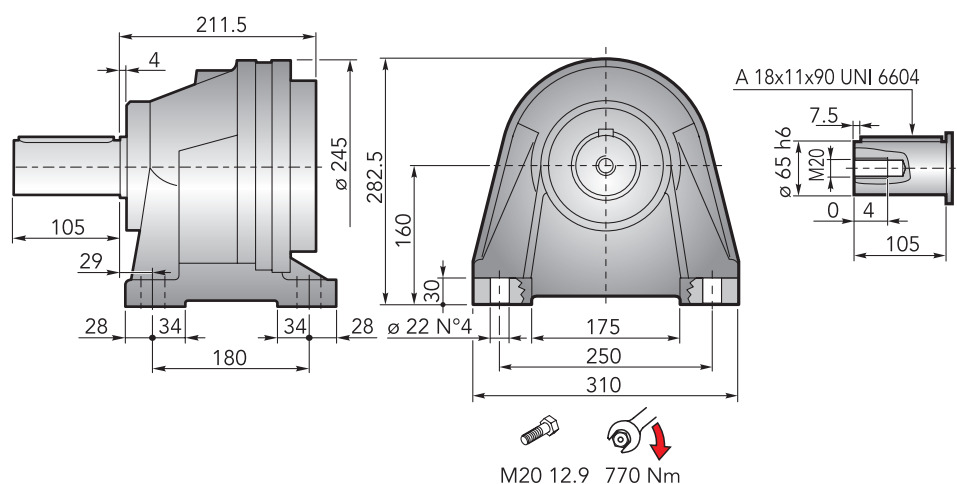


CHPLB 2500 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
2502	240	253	93	82	42 h6	240	297.5	121.5	105	65 h6	240	329	153	105	65 h6
2503	288					288					288				
2504	336					336					336				



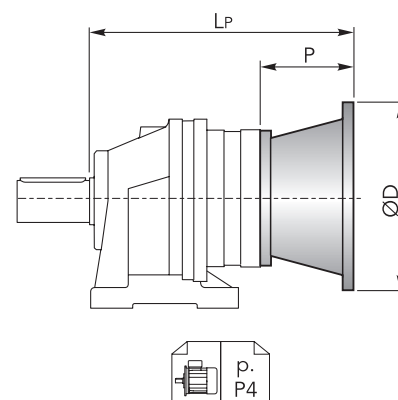
DIMENSIONI · DIMENSIONS



CHPL 2500 CCPC - Flange motori IEC | IEC Motor flanges

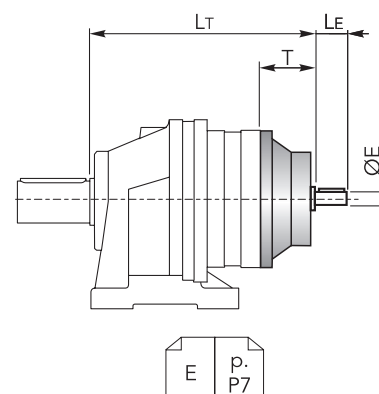
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	247.5	36	140	247.5	36	160	267.5	56	200	267.5	56	200	277.5	66	250
2502	295.5			295.5			315.5			315.5			325.5		
2503	343.5			343.5			363.5			363.5			373.5		
2504	391.5			391.5			411.5			411.5			421.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
2501	277.5	66	250	311.5	100	300	350.5	139	350	350.5	139	350
2502	325.5			359.5			398.5			-		
2503	373.5			407.5			-			-		
2504	421.5			-			-			-		



CHPL 2500 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
2501	304.5	93	82	42 h6	346.5	121.5	105	65 h6	378	153	105	65 h6
2502	352.5				-	-	-	-	-	-	-	-
2503	400.5				-	-	-	-	-	-	-	-
2504	448.5				-	-	-	-	-	-	-	-



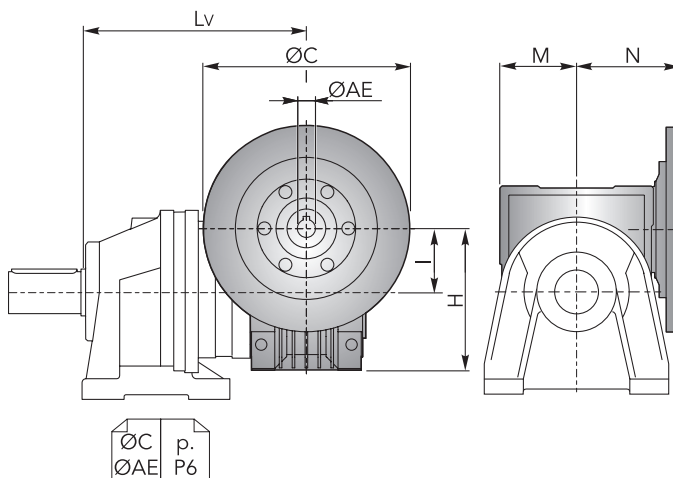


DIMENSIONI · DIMENSIONS

CHPL 2500 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	337	50	110	60	80	346.5	63	135	72	95
2502	385					394.5				
2503	433					442.5				
2504	481					490.5				

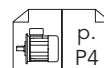
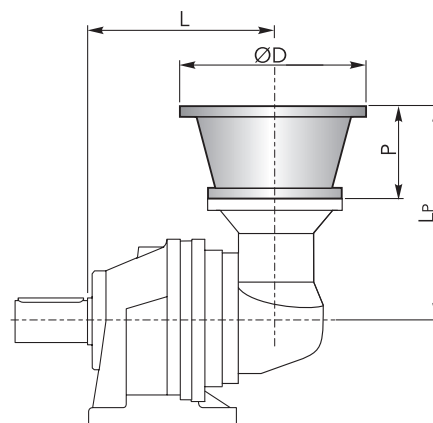
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
2501	325.5	75	161	86	112.5	335.5	90	193	103	129.5
2502	373.5					383.5				
2503	421.5					431.5				
2504	469.5					479.5				



CHPLB 2500 CCPC - Flange motori IEC | *IEC Motor flanges*

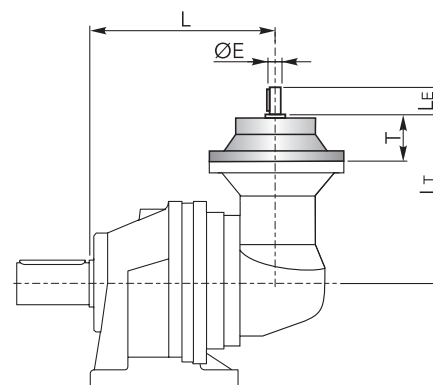
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	286.5	196	36	140	286.5	196	36	160	286.5	216	56	200	286.5	216	56	200
2503	334.5				334.5				334.5				334.5			
2504	382.5				382.5				382.5				382.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
2502	286.5	226	66	250	286.5	226	66	250	286.5	260	100	300	286.5	299	139	350
2503	334.5				334.5				334.5				-			
2504	382.5				382.5				-				-			



CHPLB 2500 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
2502	286.5	253	93	82	42 h6	286.5	297.5	121.5	105	65 h6	286.5	329	153	105	65 h6
2503	334.5					334.5					334.5				
2504	382.5					382.5					382.5				

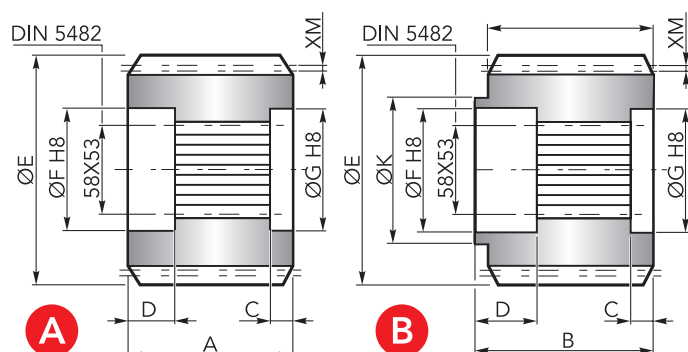


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

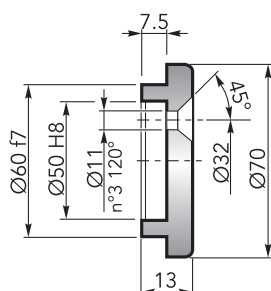


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS	8	13	0	68	-	8.5	22.5	120	60	60	-	1071.218.042
	CMS	8	11	5	68	-	8.5	22.5	110.8	60	60	-	1071.258.042
	CMS	8	12	0	68	-	8	21	112.8	60	60	-	1071.196.042
	CMS	8	15	0	686	-	8.5	22.5	136	60	60	-	1071.163.042
	CPS	6	14	3	95	.	23	21	99.6	60	60	-	1071.160.042
	CPS	10	11	8	90	-	8.5	22.5	142.1	60	60	-	1071.297.042
B	CPS	10	14	3.2	103	116	9.5	22.5	162.4	60	60	105	1071.298.042

CHFF



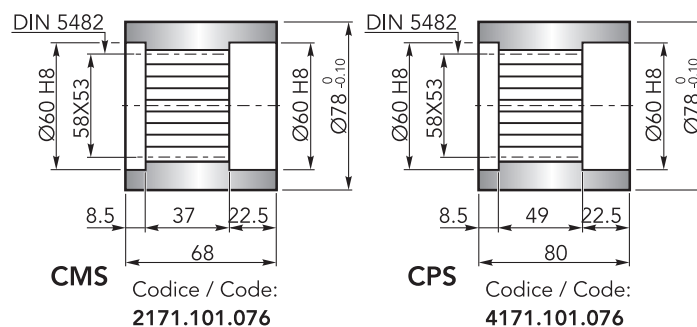
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.015.000

CHBS



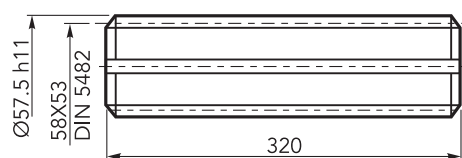
Boccola scanalata | Splined bushing



CHKB



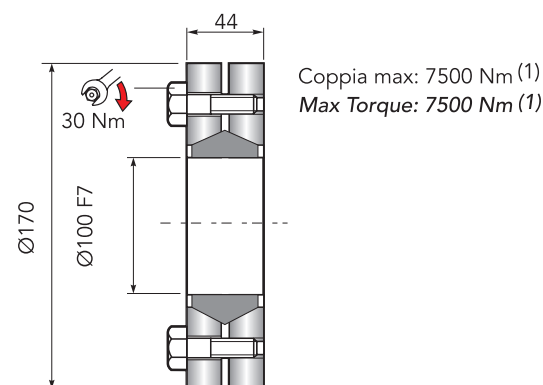
Barra scanalata | Splined rod

Codice / Code:
3071.181.042

CHGA



Giunto di attrito | Shrink disc

Codice / Code:
5109.100.000

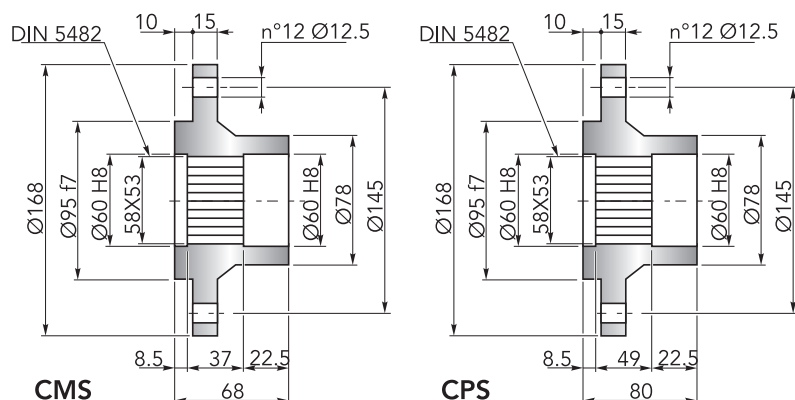
(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

CHFL



Flangia | Flange



CMS

Codice / Code:
2171.103.025

CPS

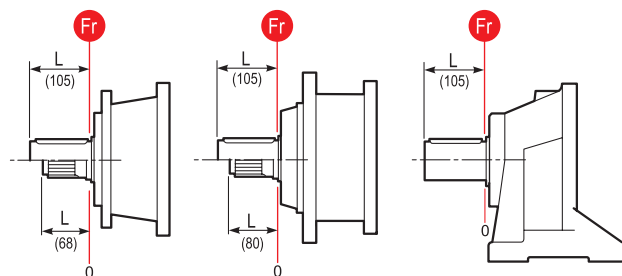
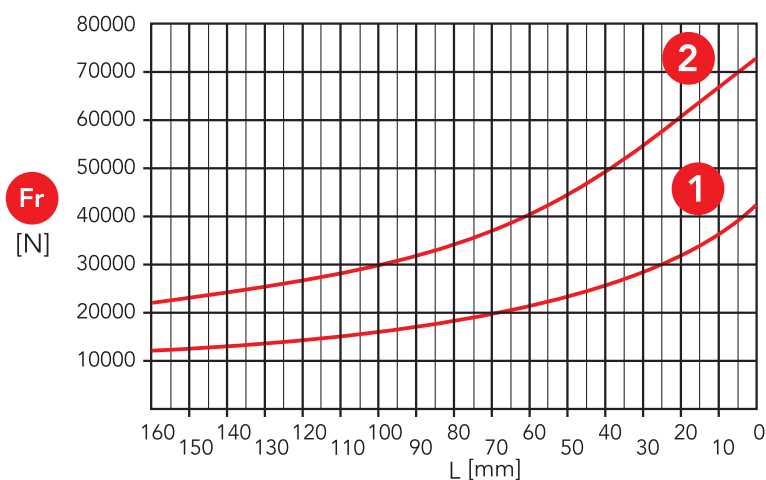
Codice / Code:
4171.103.098



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali F_r (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads F_r (N) on the output shaft with reference to the distance L .



1

2

2

1

Uscita / Output: CMS, CMC

2

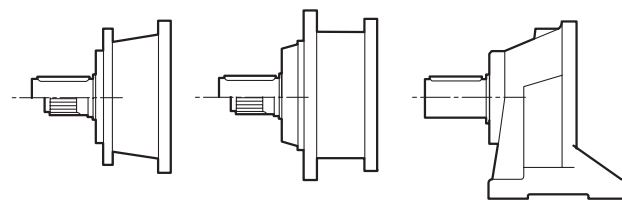
Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

Nella tabella seguente sono indicati i carichi assiali F_a (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads F_a (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa [N]	32000	32000	←
	32000	48000	→



1

2

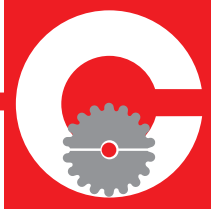
2

1

Uscita / Output: CMS, CMC

2

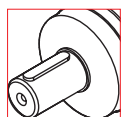
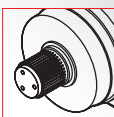
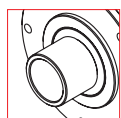
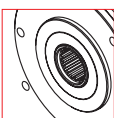
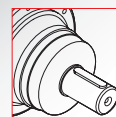
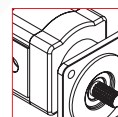
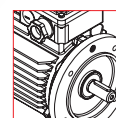
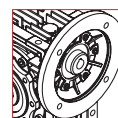
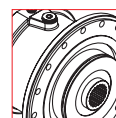
Uscita / Output: CPS, CPC, CCPC





CHPL

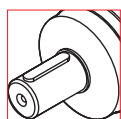
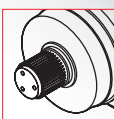
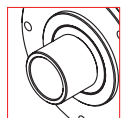
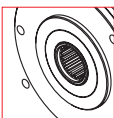
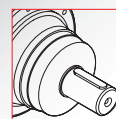
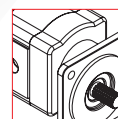
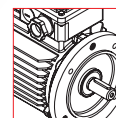
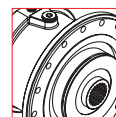
	i	
5001	$3.78 \div 7.25$	1 reduction stage
5002	$13.4 \div 48.9$	2 reduction stages
5003	$52.1 \div 330.3$	3 reduction stages
5004	$352.0 \div 1845.3$	4 reduction stages

OUT $\varnothing 65$
 $\varnothing 60$ 58x53
DIN 5482 $\varnothing 75$ 58x53
DIN 5482**IN** $\varnothing 42$
 $\varnothing 65$ Hydraulic
MotorElectric
MotorWorm
gearboxes

Brake

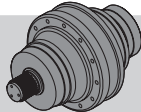
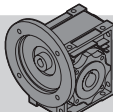
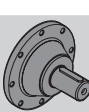
CHPLB

	i	
5002	$13.1 \div 39.5$	2 reduction stages
5003	$39.4 \div 143.5$	3 reduction stages
5004	$140.1 \div 1244.1$	4 reduction stages

OUT $\varnothing 65$
 $\varnothing 60$ 58x53
DIN 5482 $\varnothing 75$ 58x53
DIN 5482**IN** $\varnothing 42$
 $\varnothing 65$ Hydraulic
MotorElectric
Motor

Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n _i = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n _i = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP	
5001	3.78	2164	87	10420	20	63	71	CHM 50 CHM 75	CHM 63 CHM90	CM42 CM 65 CP 65
	4.13	1959	72	9500		80	90			
	5.17	1701	50	7780		100	112			
	6	1540	39	6820		132	160			
	7.25	1230	25.5	5320		180				
5002	13.4	2810	33	10420	15	63 80 100 132	71 90 112 160	CHM 50 CHM 75	CHM 63 CHM90	CM42
	16.2	2779	27	10420						
	18.4	2105	18	7780						
	23.1	2643	18	9500						
	28.9	2323	12.6	7780						
	34.9	2395	10.8	7780						
	40.5	2162	8.4	6820						
	48.9	1708	5.5	5320						
5003	52.1	3232	10.12	9500	10	63 80 100 132	71 90 112 160	CHM 50 CHM 75	CHM 63 CHM90	CM42
	57.6	3573	10.12	10420						
	62.9	3193	8.28	9500						
	75.2	3817	8.28	10420						
	82.1	3321	6.6	9500						
	90.7	3670	6.6	10420						
	99	3471	5.72	9500						
	119.3	3540	4.84	9500						
	129.4	3665	4.62	9500						
	149.5	3024	3.3	7780						
	155.9	3727	3.9	9500						
	162	3058	3.08	7780						
	173.6	2694	2.53	6820						
	195.3	3161	2.64	7780						
	235.4	3246	2.25	7780						
	273.4	2891	1.73	6820						
	302.2	3473	1.88	7780						
	330.3	2431	1.2	5320						
	5004	352	4218	2.02						
365.8		3451	1.44	7780						
388.6		4655	2.02	10420						
413.9		4774	1.95	10420						
424.3		4329	1.73	9500						
468.4		4987	1.8	10420						
511.4		4659	1.39	9500						
554.4		4691	1.29	9500						
612		5177	1.29	10420						
668.2		4783	1.09	9500						
737.7		5280	1.09	10420						
805.5		4980	0.94	9500						
858		5024	0.89	9500						
907.3		4133	0.69	7780						
1052.5		5136	0.74	9500						
1121.1		5106	0.7	9500						
1318.3		4289	0.55	7780						
1598		4653	0.5	7780						
1845.3		4484	0.38	6820						

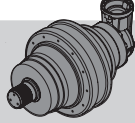
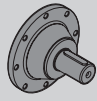
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA

 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)	 CM/CP
5002	13.1	2621	31.5	10420	15	63 80 100 132 71 90 112 160	CM42 CM 65 CP 65
	14.2	2436	27	9500			
	17.8	2120	18.75	7780			
	20.6	2845	21.75	10420			
	22.5	2680	18.75	9500			
	28.1	2259	12.65	7780			
	32.7	2078	10	6820			
	39.5	1657	6.6	5320			
5003	39.4	3320	13.75	10420	10	63 80 100 132 71 90 112	CM42 CM 65 CP 65
	47.5	3379	11.6	10420			
	53.9	2577	7.8	7780			
	67.8	3243	7.8	9500			
	75.4	2339	5.06	6820			
	84.9	2748	5.28	7780			
	91.1	1965	3.52	5320			
	102.3	2898	4.62	7780			
	118.8	2564	3.52	6820			
5004	143.5	2129	2.42	5320	6	63 80 100 132 71 90 112	CM42 CM 65 CP 65
	140.1	4011	4.84	10420			
	168.9	4198	4.2	10420			
	184.4	3927	3.6	9500			
	220.6	4305	3.3	10420			
	240.9	4077	2.86	9500			
	265.9	4498	2.86	10420			
	290.4	4158	2.42	9500			
	320.6	4589	2.42	10420			
	350	4349	2.1	9500			
	422.4	3160	1.27	6820			
	449.4	4586	1.73	9500			
	475.3	3797	1.35	7780			
	509.1	3342	1.11	6820			
	551.9	3383	1.04	6820			
	615.2	2692	0.74	5320			
	665.3	3494	0.89	6820			
	735.5	4025	0.93	7780			
	801.9	3510	0.74	6820			
	1244.1	2996	0.41	5320			

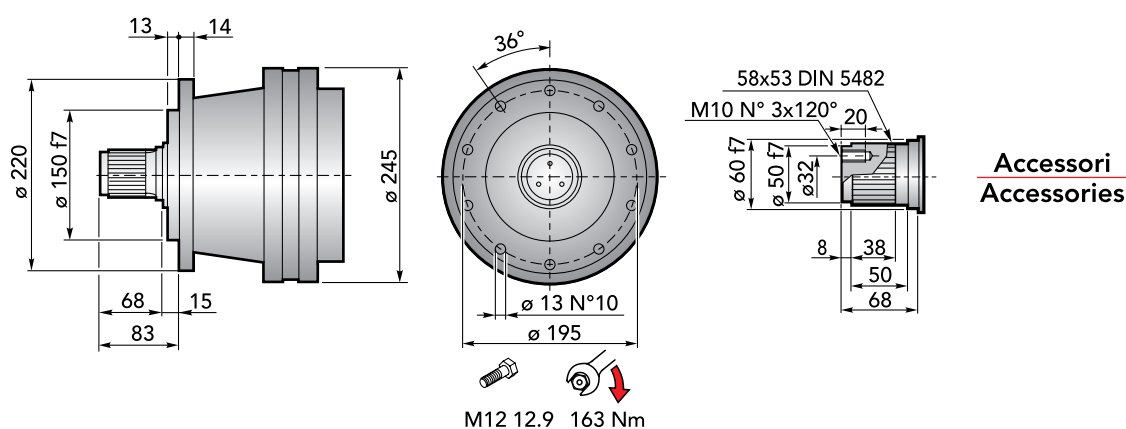
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

CHPL / CHPLB 5000 CMS

DIMENSIONI · DIMENSIONS



CHYZ 

CHFL 

CHBS

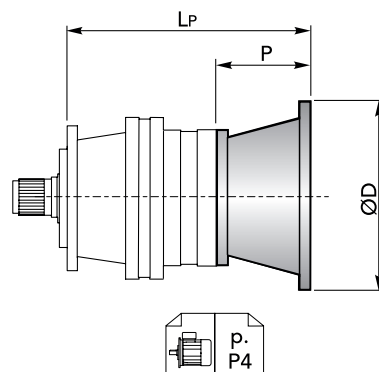
CHFF

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E18

CHPL 5000 CMS - Flange motori IEC | IEC Motor flanges

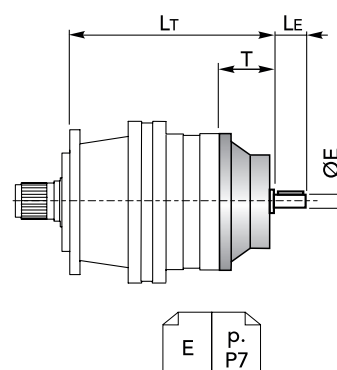
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	213	36	140	213	36	160	233	56	200	233	56	200	243	66	250
5002	274			274			294			294			304		
5003	322			322			342			342			352		
5004	370			370			390			390			400		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	243	66	250	277	100	300	316	139	350	316	139	350
5002	304			338			377			-		
5003	352			386			425			-		
5004	400			434			-			-		



CHPL 5000 CMS - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	270	93	82	42 h6	312	121.5	105	65 h6	343.5	153	105	65 h6
5002	331				-				-			
5003	379				-				-			
5004	427				-				-			



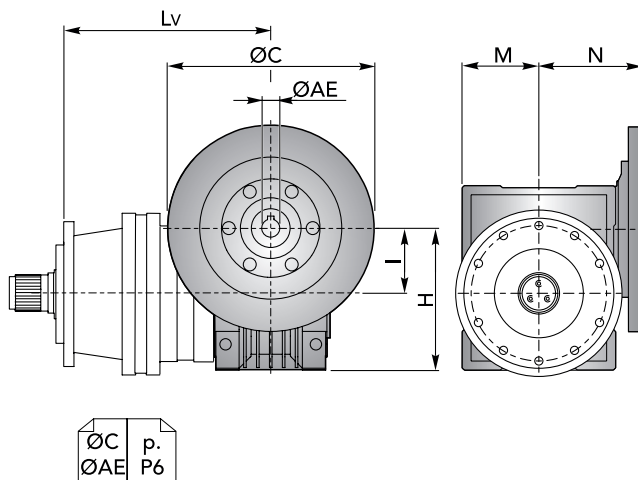


DIMENSIONI · DIMENSIONS

CHPL 5000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	302.5	50	110	60	80	312	63	135	72	95
5002	363.5					373				
5003	411.5					421				
5004	459.5					469				

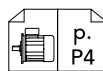
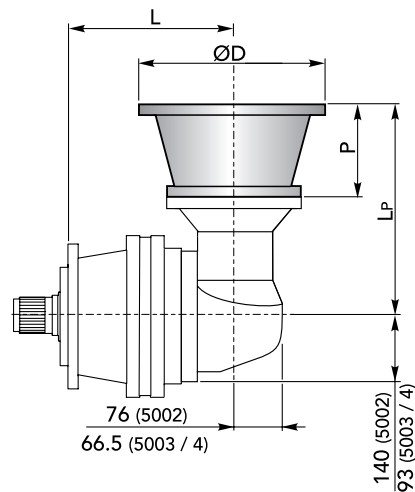
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	291	75	161	86	112.5	301	90	193	103	129.5
5002	352					362				
5003	400					410				
5004	448					458				



CHPLB 5000 CMS - Flange motori IEC | *IEC Motor flanges*

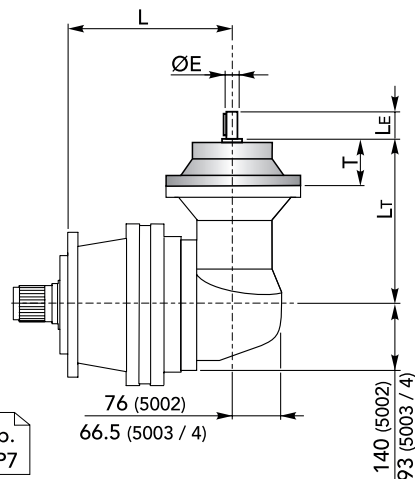
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	276	36	140	278.5	276	36	160	278.5	296	56	200	278.5	296	56	200
5003	313	196			313	196			313	216			313	216		
5004	361				361				361							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	306	66	250	278.5	306	66	250	278.5	340	100	300	278.5	379	139	350
5003	313	226			313	226			313	260			-			
5004	361				361				361				-			

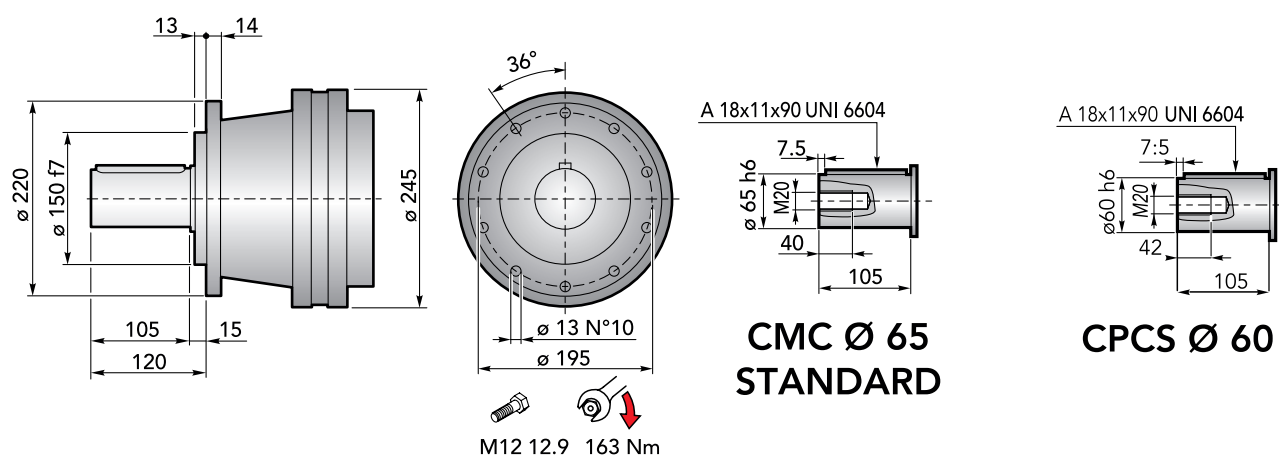


CHPLB 5000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	278.5	333	93	82	42 h6	278.5	377.5	121.5	105	65 h6	278.5	409	153	105	65 h6
5003	313	253				313	297.5				313	329			
5004	361					361					361				



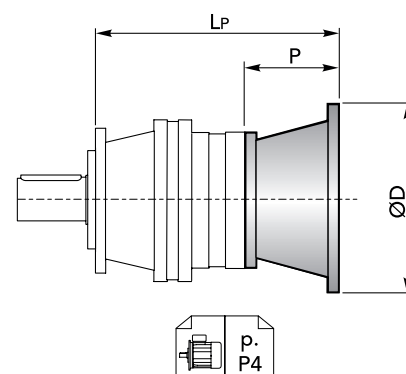
DIMENSIONI · DIMENSIONS



CHPL 5000 CMC - Flange motori IEC | IEC Motor flanges

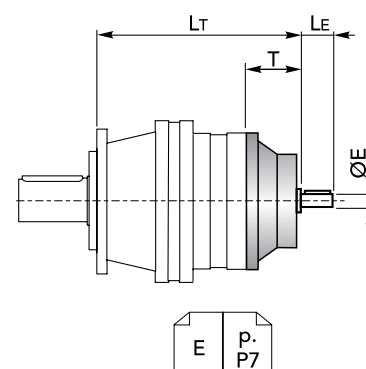
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	213			213			233			233			243		
5002	274	36	140	274	36	160	294	56	200	294	56	200	304	66	250
5003	322			322			342			342			352		
5004	370			370			390			390			400		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	243			277			316			316	139	350
5002	304	66	250	338	100	300	377	139	350	-	-	-
5003	352			386			425			-	-	-
5004	400			434			-	-	-	-	-	-



CHPL 5000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	270				312	121.5	105	65 h6	343.5	153	105	65 h6
5002	331	93	82	42 h6	-	-	-	-	-	-	-	-
5003	379				-	-	-	-	-	-	-	-
5004	427				-	-	-	-	-	-	-	-



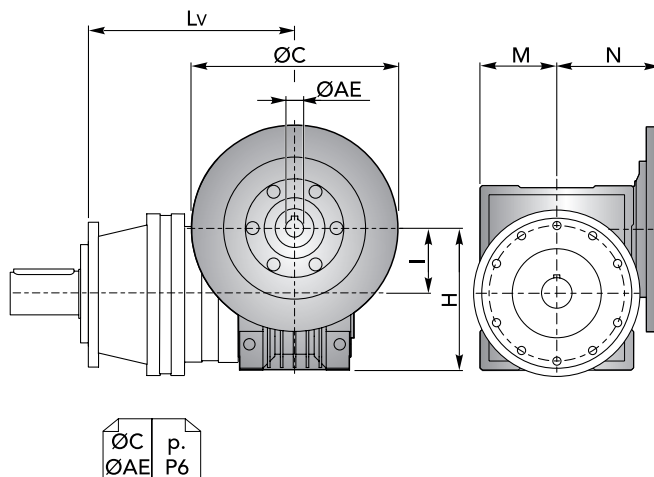


DIMENSIONI · DIMENSIONS

CHPL 5000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	302.5	50	110	60	80	312	63	135	72	95
5002	363.5					373				
5003	411.5					421				
5004	459.5					469				

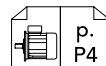
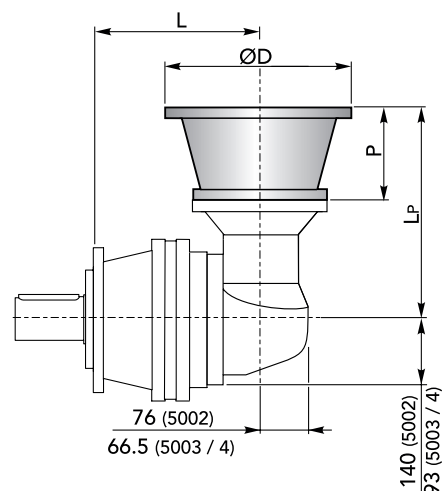
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	291	75	161	86	112.5	301	90	193	103	129.5
5002	352					362				
5003	400					410				
5004	448					458				



CHPLB 5000 CMC - Flange motori IEC | *IEC Motor flanges*

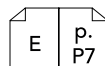
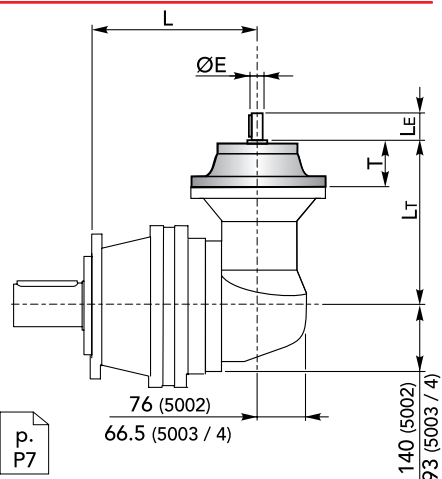
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	276	36	140	278.5	276	36	160	278.5	296	56	200	278.5	296	56	200
5003	313	196			313	196			313	216			313	216		
5004	361				361				361							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	306	66	250	278.5	306	66	250	278.5	340	100	300	278.5	379	139	350
5003	313	226			313	226			313	260			-			
5004	361				361				-							



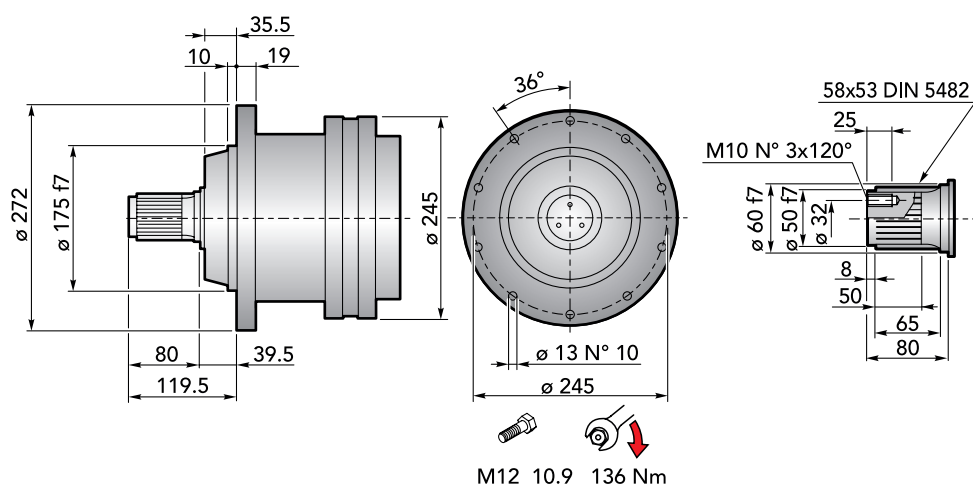
CHPLB 5000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	278.5	333	93	82	42 h6	278.5	377.5	121.5	105	65 h6	278.5	409	153	105	65 h6
5003	313	253				313	297.5				313	329			
5004	361					361					361				



CHPL / CHPLB 5000 CPS

DIMENSIONI · DIMENSIONS



Accessori Accessories

CHYZ



CHFL



CHBS



CHFF



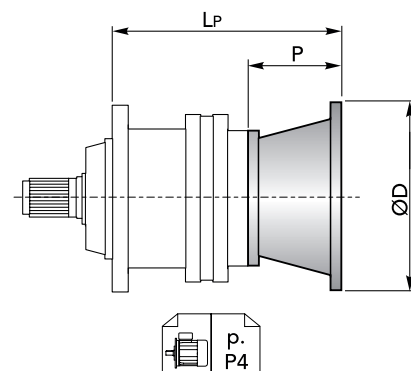
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E18

CHPL 5000 CPS - Flange motori IEC | *IEC Motor flanges*

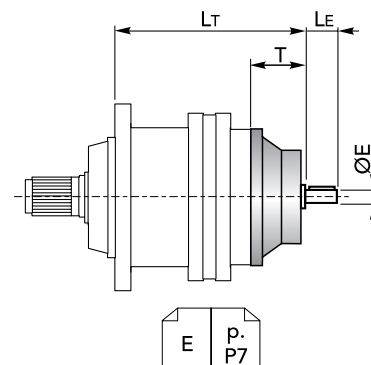
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	220	36	140	220	36	160	240	56	200	240	56	200	250	66	250
5002	281			281			301			301					
5003	329			329			349			349					
5004	377			377			397			397					

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	250	66	250	284	100	300	323	139	350	323	139	350
5002	311			345			384			-		
5003	359			393			432			-		
5004	407			441			-			-		



CHPL 5000 CPS - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	277	93	82	42 h6	319	121.5	105	65 h6	350.5	153	105	65 h6
5002	338				-				-			
5003	386				-				-			
5004	434				-				-			



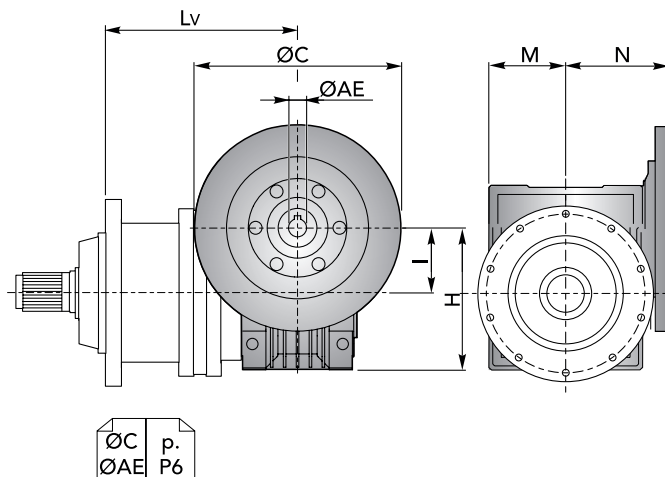


DIMENSIONI · DIMENSIONS

CHPL 5000 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	309.5	50	110	60	80	319	63	135	72	95
5002	370.5					380				
5003	418.5					428				
5004	466.5					476				

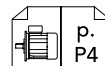
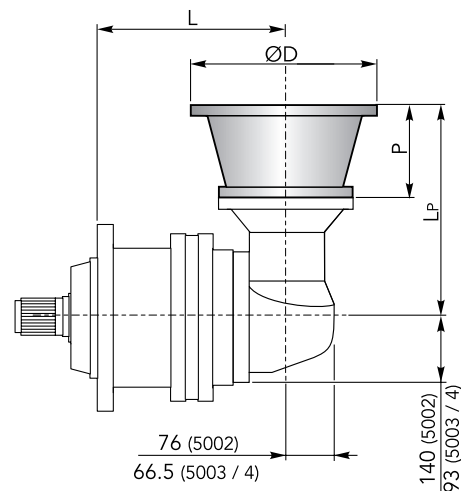
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	298	75	161	86	112.5	308	90	193	103	129.5
5002	359					369				
5003	407					417				
5004	455					465				



CHPLB 5000 CPS - Flange motori IEC | *IEC Motor flanges*

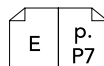
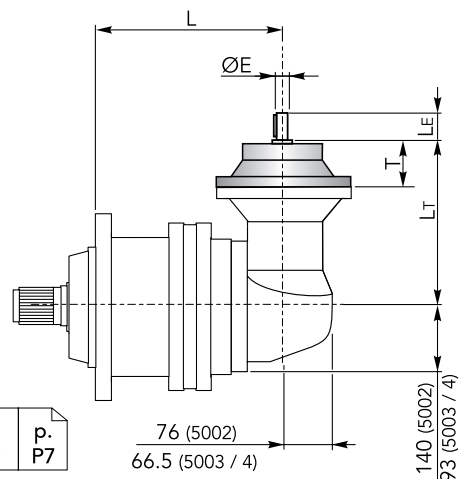
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	285.5	276	36	140	285.5	276	36	160	285.5	296	56	200	285.5	296	56	200
5003	320	196			320	196			320	216			320	216		
5004	368				368				368							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	285.5	306	66	250	285.5	306	66	250	285.5	340	100	300	285.5	379	139	350
5003	320	226			320	226			320	260			-			
5004	368				368				-							

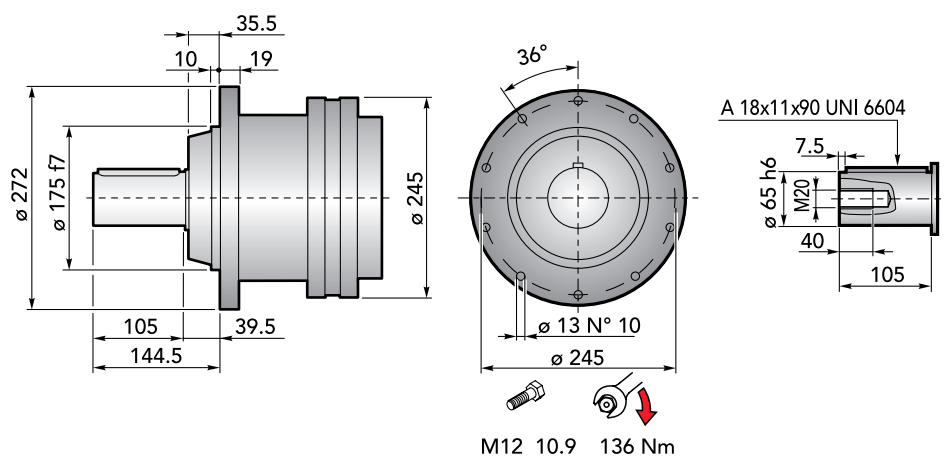


CHPLB 5000 CPS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	285.5	333	93	82	42 h6	285.5	377.5	121.5	105	65 h6	285.5	409	153	105	65 h6
5003	320	253				320	297.5				320	329			
5004	368					368					368				



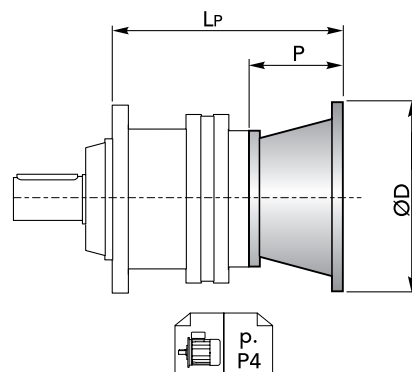
DIMENSIONI · DIMENSIONS



CHPL 5000 CPC - Flange motori IEC | IEC Motor flanges

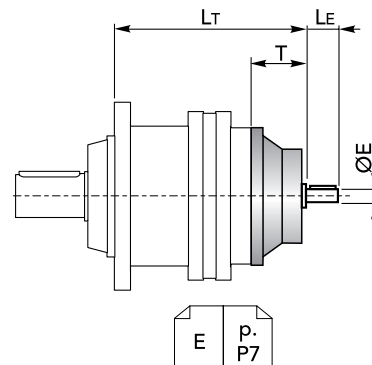
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	220			220			240			240			250		
5002	281	36	140	281	36	160	301	56	200	301	56	200	311	66	250
5003	329			329			349			349			359		
5004	377			377			397			397			407		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	250			284			323			323	139	350
5002	311	66	250	345	100	300	384	139	350	-	-	-
5003	359			393			432			-	-	-
5004	407			441			-	-	-	-	-	-



CHPL 5000 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	277				319	121.5	105	65 h6	350.5	153	105	65 h6
5002	338	93	82	42 h6	-	-	-	-	-	-	-	-
5003	386				-	-	-	-	-	-	-	-
5004	434				-	-	-	-	-	-	-	-



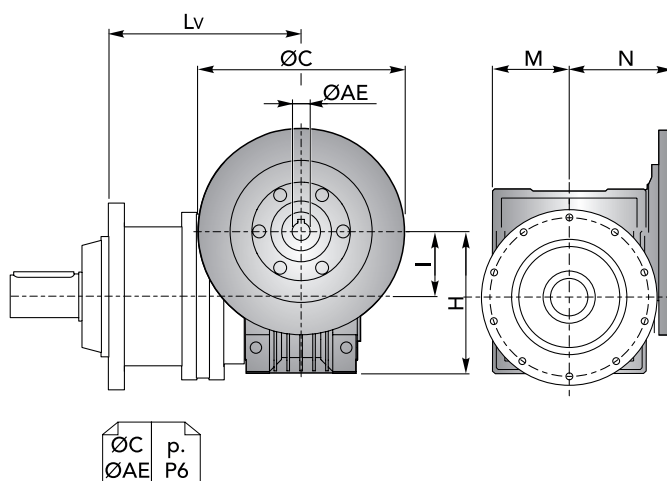


DIMENSIONI · DIMENSIONS

CHPL 5000 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	309.5	50	110	60	80	319	63	135	72	95
5002	370.5					380				
5003	418.5					428				
5004	466.5					476				

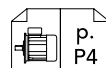
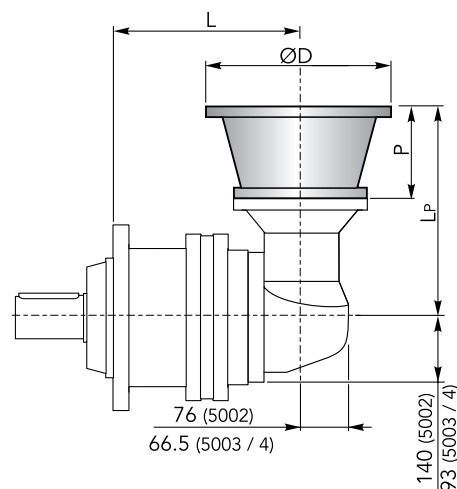
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	298	75	161	86	112.5	308	90	193	103	129.5
5002	359					369				
5003	407					417				
5004	455					465				



CHPLB 5000 CPC - Flange motori IEC | *IEC Motor flanges*

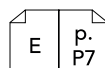
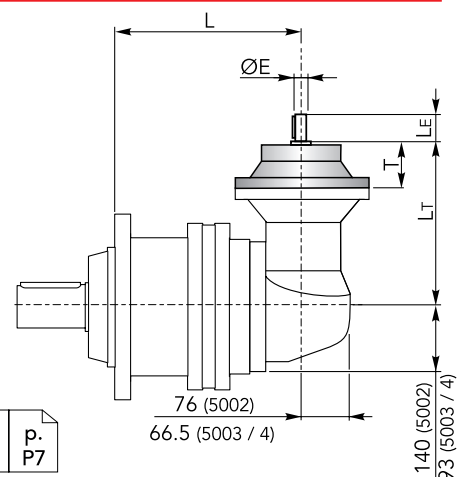
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	285.5	276	36	140	285.5	276	36	160	285.5	296	56	200	285.5	296	56	200
5003	320	196			320	196			320	216			320	216		
5004	368				368				368							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	285.5	306	66	250	285.5	306	66	250	285.5	340	100	300	285.5	379	139	350
5003	320	226			320	226			320	260			-			
5004	368				368				-							

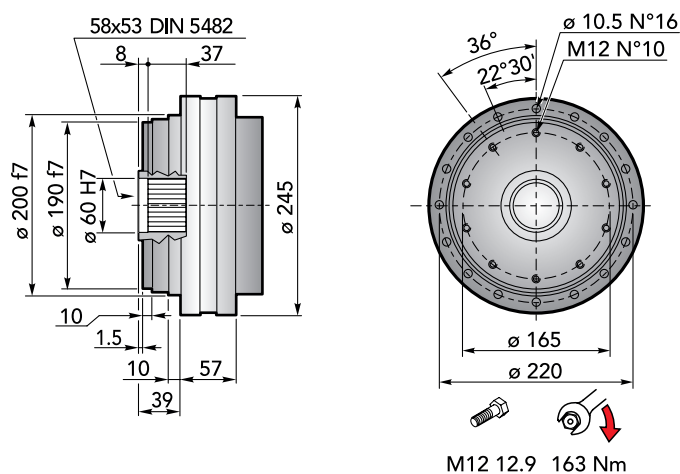


CHPLB 5000 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE
5002	285.5	333	93	82	42 h6	285.5	377.5	121.5	105	65 h6	285.5	409	153	105	65 h6
5003	320	253				320	297.5				320	329			
5004	368					368					368				



DIMENSIONI · DIMENSIONS

Accessori
Accessories

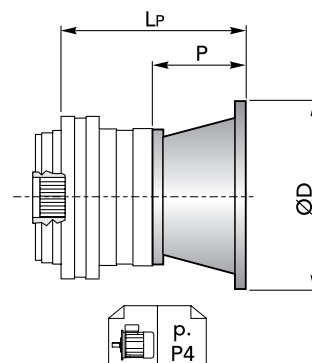
CHKB

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CHPL 5000 CF - Flange motori IEC | IEC Motor flanges

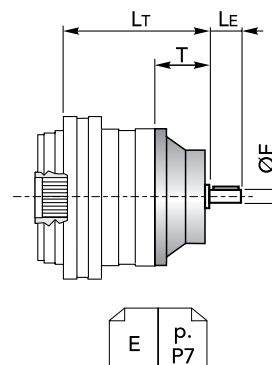
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	126.5	36	140	126.5	36	160	146.5	56	200	146.5	56	200	156.5	66	250
5002	187.5			187.5			207.5			207.5			217.5		
5003	235.5			235.5			255.5			255.5			265.5		
5004	283.5			283.5			303.5			303.5			313.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
5001	156.5	66	250	190.5	100	300	229.5	139	350	229.5	139	350
5002	217.5			251.5			290.5			-	-	-
5003	265.5			299.5			338.5			-	-	-
5004	313.5			347.5			-			-	-	-



CHPL 5000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	183.5	93	82	42 h6	225.5	121.5	105	65 h6	257	153	105	65 h6
5002	244.5				-	-	-	-	-	-	-	-
5003	292.5				-	-	-	-	-	-	-	-
5004	340.5				-	-	-	-	-	-	-	-



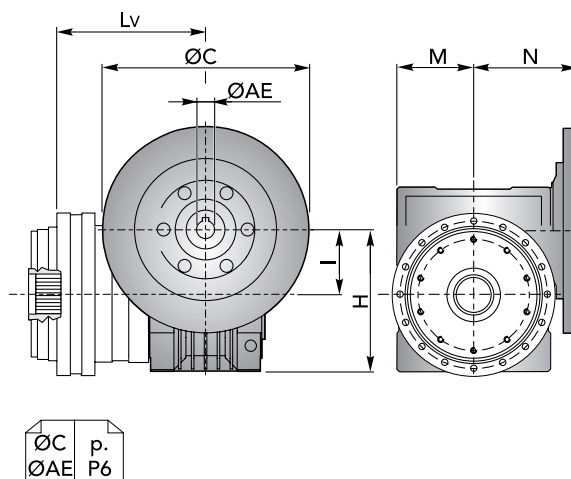


DIMENSIONI · DIMENSIONS

CHPL 5000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	216	50	110	60	80	225.5	63	135	72	95
5002	277					286.5				
5003	325					334.5				
5004	373					382.5				

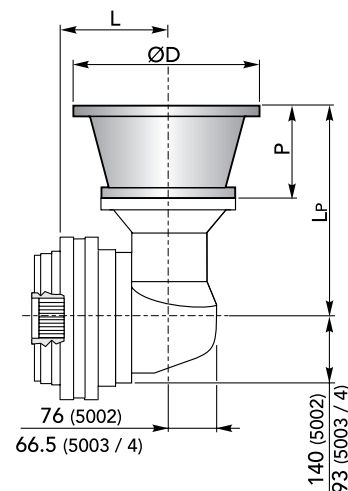
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	204.5	75	161	86	112.5	214.5	90	193	103	129.5
5002	265.5					275.5				
5003	313.5					323.5				
5004	361.5					371.5				



CHPLB 5000 CF - Flange motori IEC | *IEC Motor flanges*

CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	192	276	36	140	192	276	36	160	192	296	56	200	192	296	56	200
5003	226.5	196			226.5	196			226.5	216			226.5	216		
5004	274.5				274.5				274.5				274.5			

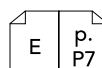
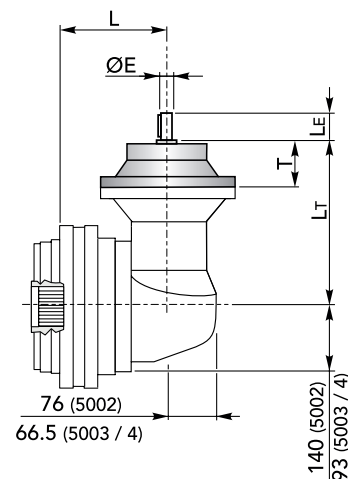
CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	192	306	66	250	192	306	66	250	192	340	100	300	192	379	139	350
5003	226.5	226			226.5	226			226.5	260			-			
5004	274.5				274.5				-							



CHPLB 5000 CF - Alberi maschi entrata | *Male input shafts*

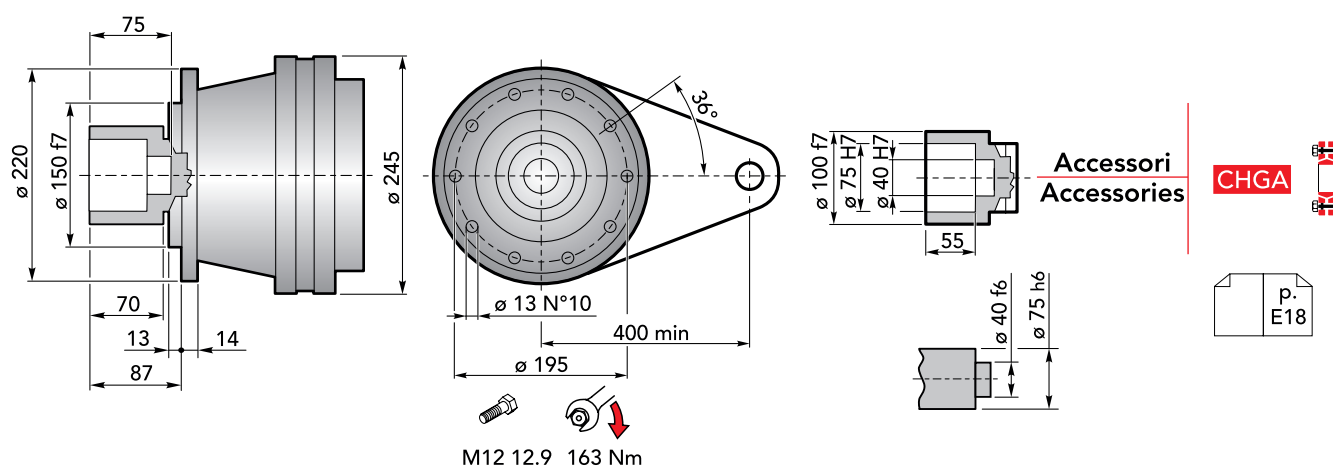


CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	192	333	93	82	42 h6	192	377.5	121.5	105	65 h6	192	409	153	105	65 h6
5003	226.5	253				226.5	297.5				226.5	329			
5004	274.5					274.5					274.5				



CHPL / CHPLB 5000 CFS

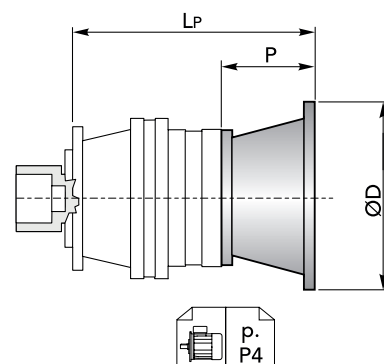
DIMENSIONI · DIMENSIONS



CHPL 5000 CFS - Flange motori IEC | IEC Motor flanges

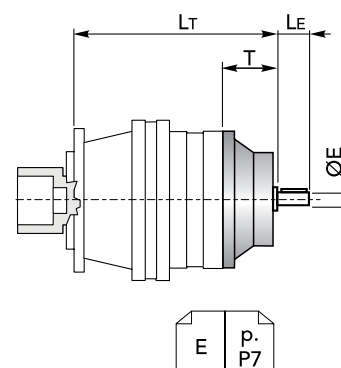
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	213	36	140	213	36	160	233	56	200	233	56	200	243	66	250
5002	274			274			294			294					
5003	322			322			342			342					
5004	370			370			390			390					

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	243	66	250	277	100	300	316	139	350	316	139	350
5002	304			338			377			-		
5003	352			386			425			-		
5004	400			434			-			-		



CHPL 5000 CFS - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
5001	270	93	82	42 h6	312	121.5	105	65 h6	343.5	153	105	65 h6
5002	331				-				-			
5003	379				-				-			
5004	427				-				-			



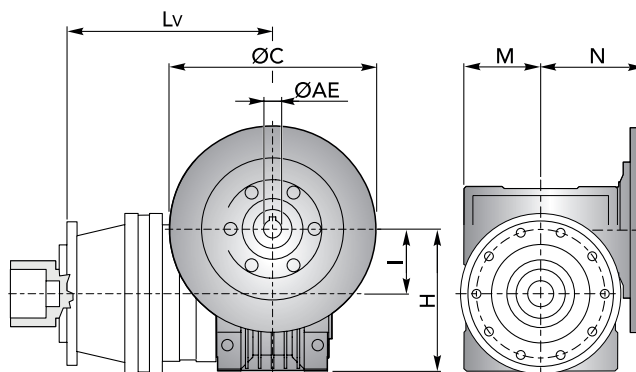


DIMENSIONI · DIMENSIONS

CHPL 5000 CFS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	302.5	50	110	60	80	312	63	135	72	95
5002	363.5					373				
5003	411.5					421				
5004	459.5					469				

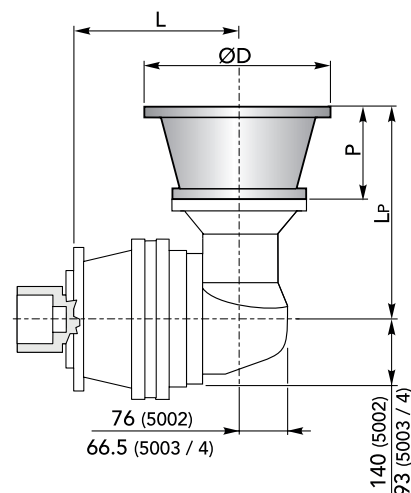
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	291	75	161	86	112.5	301	90	193	103	129.5
5002	352					362				
5003	400					410				
5004	448					458				



CHPLB 5000 CFS - Flange motori IEC | *IEC Motor flanges*

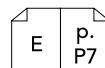
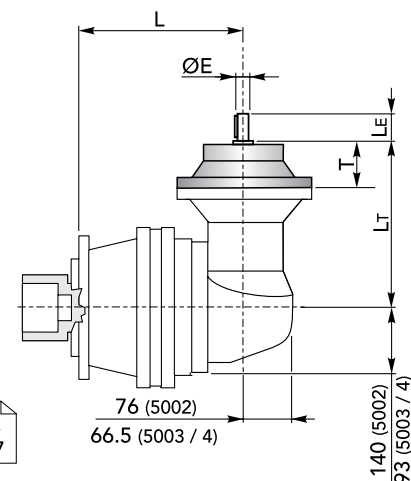
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	276	36	140	278.5	276	36	160	278.5	296	56	200	278.5	296	56	200
5003	313	196			313	196			313	216			313	216		
5004	361				361				361							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	278.5	306	66	250	278.5	306	66	250	278.5	340	100	300	278.5	379	139	350
5003	313	226			313	226			313	260			-			
5004	361				361				-							

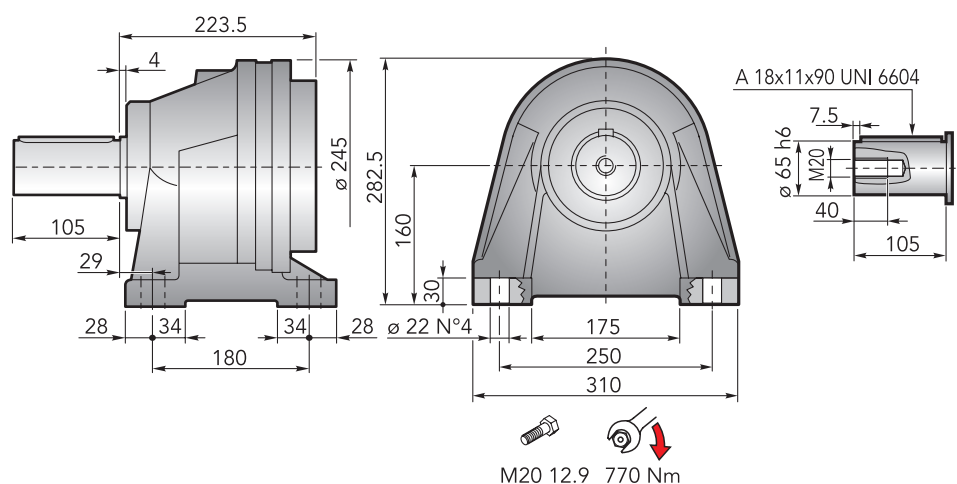


CHPLB 5000 CFS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	278.5	333	93	82	42 h6	278.5	377.5	121.5	105	65 h6	278.5	409	153	105	65 h6
5003	313	253				313	297.5				313	329			
5004	361					361					361				



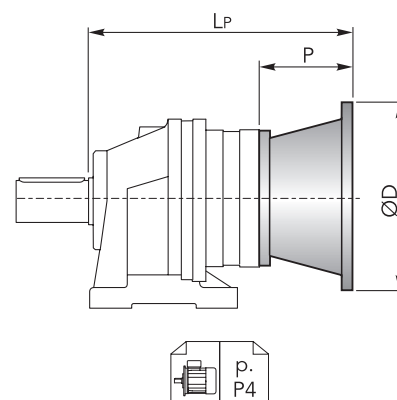
DIMENSIONI · DIMENSIONS



CHPL 5000 CCPC - Flange motori IEC | IEC Motor flanges

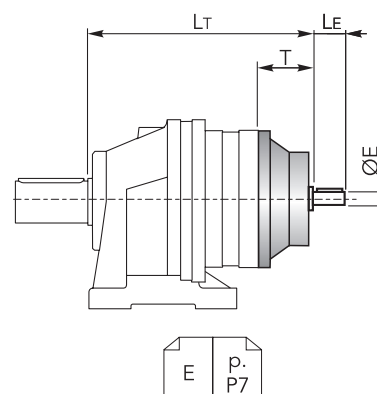
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	259.5	36	140	259.5	36	160	279.5	56	200	279.5	56	200	289.5	66	250
5002	320.5			320.5			340.5			340.5			350.5		
5003	368.5			368.5			388.5			388.5			398.5		
5004	416.5			416.5			436.5			436.5			446.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
5001	289.5	66	250	323.5	100	300	362.5	139	350	362.5	139	350
5002	350.5			384.5			423.5			-	-	-
5003	398.5			432.5			471.5			-	-	-
5004	446.5			480.5			-			-	-	-



CHPL 5000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
5001	316.5	93	82	42 h6	358.5	121.5	105	65 h6	390	153	105	65 h6
5002	377.5				-	-	-	-	-	-	-	-
5003	425.5				-	-	-	-	-	-	-	-
5004	473.5				-	-	-	-	-	-	-	-



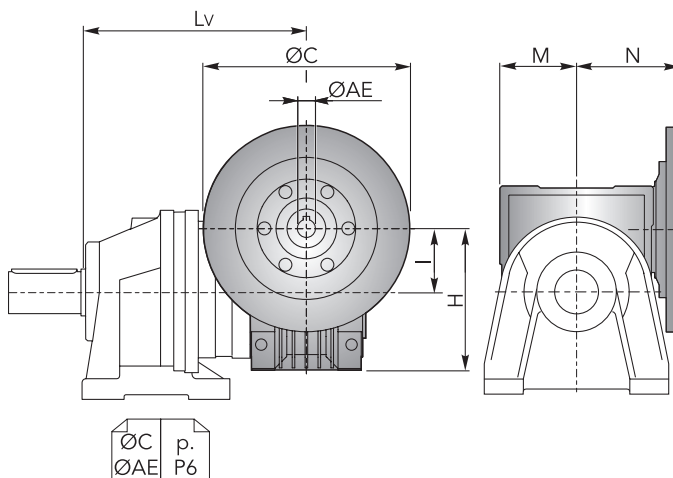


DIMENSIONI · DIMENSIONS

CHPL 5000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	349	50	110	60	80	358.5	63	135	72	95
5002	410					419.5				
5003	458					467.5				
5004	506					515.5				

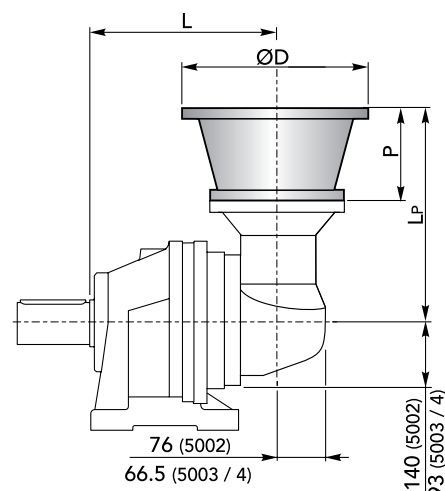
CHPL	CHM 75					CHM 90				
	Lv	I	H	M	N	Lv	I	H	M	N
5001	337.5	75	161	86	112.5	347.5	90	193	103	129.5
5002	398.5					408.5				
5003	446.5					456.5				
5004	494.5					504.5				



CHPLB 5000 CCPC - Flange motori IEC | *IEC Motor flanges*

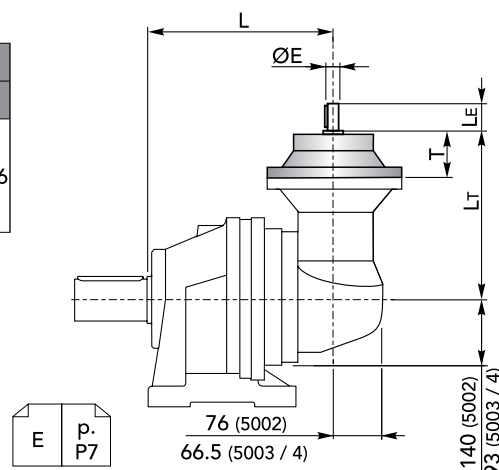
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	325	276	36	140	325	276	36	160	325	296	56	200	325	296	56	200
5003	359.5	196			359.5	196			359.5	216			359.5	216		
5004	407.5				407.5				407.5				407.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
5002	325	306	66	250	325	306	66	250	325	340	100	300	325	379	139	350
5003	359.5	226			359.5	226			359.5	260			-	-	-	
5004	407.5				407.5				407.5				-	-	-	



CHPLB 5000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
5002	325	333	93	82	42 h6	325	377.5	121.5	105	65 h6	325	409	153	105	65 h6
5003	359.5	253				359.5	297.5				359.5	329			
5004	407.5					407.5					407.5				

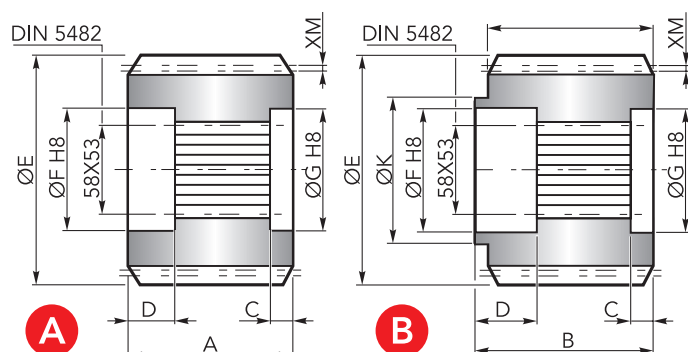


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

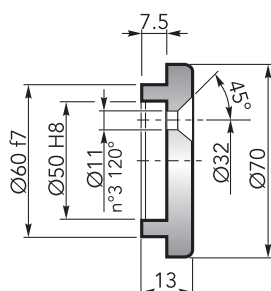


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS	8	13	0	68	-	8.5	22.5	120	60	60	-	1071.218.042
	CMS	8	11	5	68	-	8.5	22.5	110.8	60	60	-	1071.258.042
	CMS	8	12	0	68	-	8	21	112.8	60	60	-	1071.196.042
	CMS	8	15	0	686	-	8.5	22.5	136	60	60	-	1071.163.042
	CPS	6	14	3	95	.	23	21	99.6	60	60	-	1071.160.042
	CPS	10	11	8	90	-	8.5	22.5	142.1	60	60	-	1071.297.042
B	CPS	10	14	3.2	103	116	9.5	22.5	162.4	60	60	105	1071.298.042

CHFF



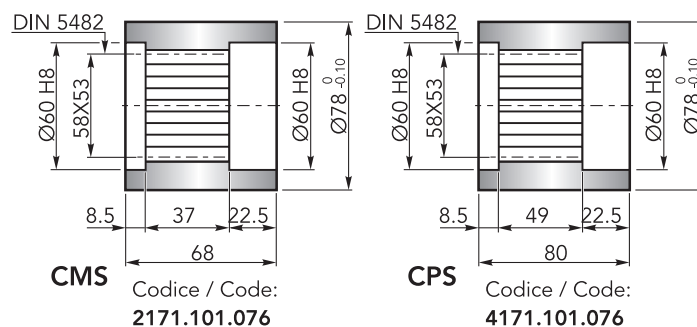
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.015.000

CHBS



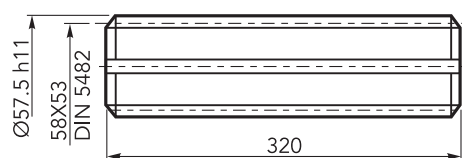
Boccola scanalata | Splined bushing



CHKB



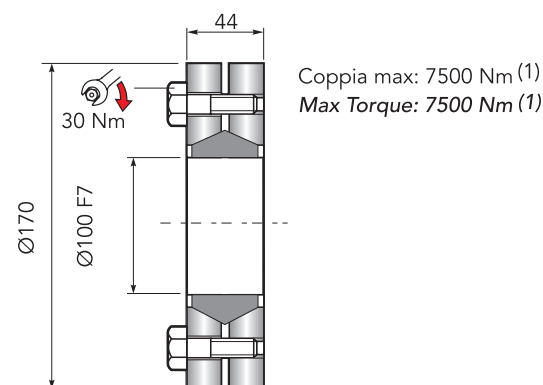
Barra scanalata | Splined rod

Codice / Code:
3071.181.042

CHGA



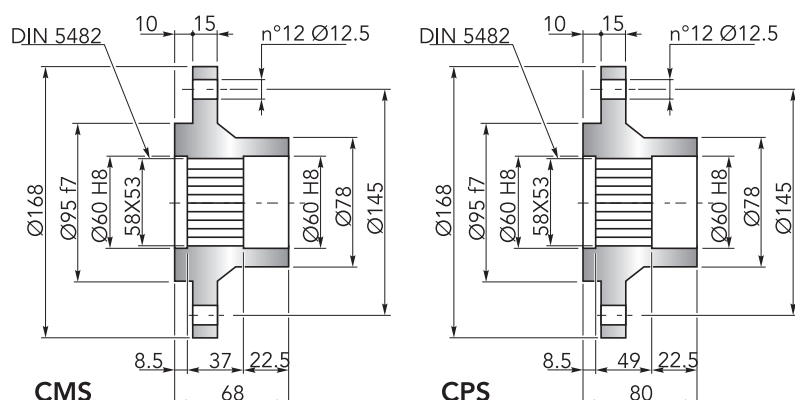
Giunto di attrito | Shrink disc

Codice / Code:
5109.100.000

CHFL



Flangia | Flange



(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

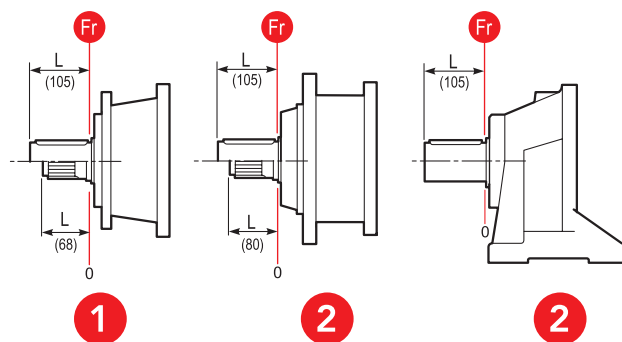
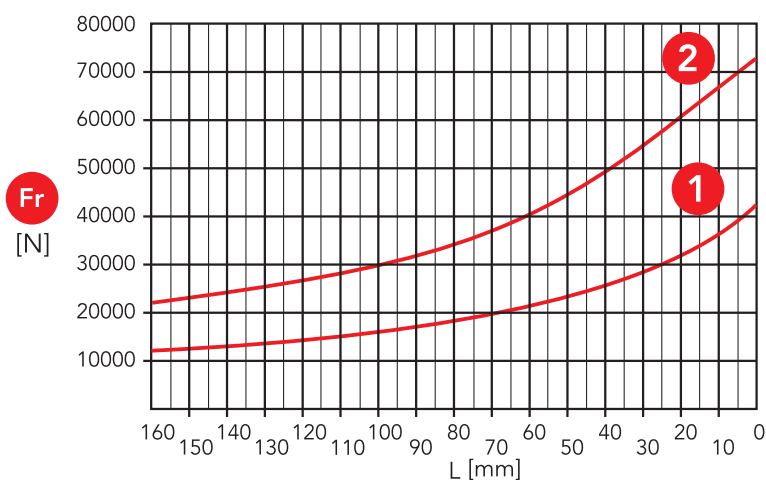
(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



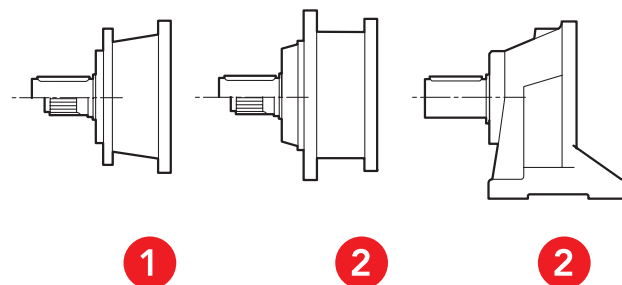
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

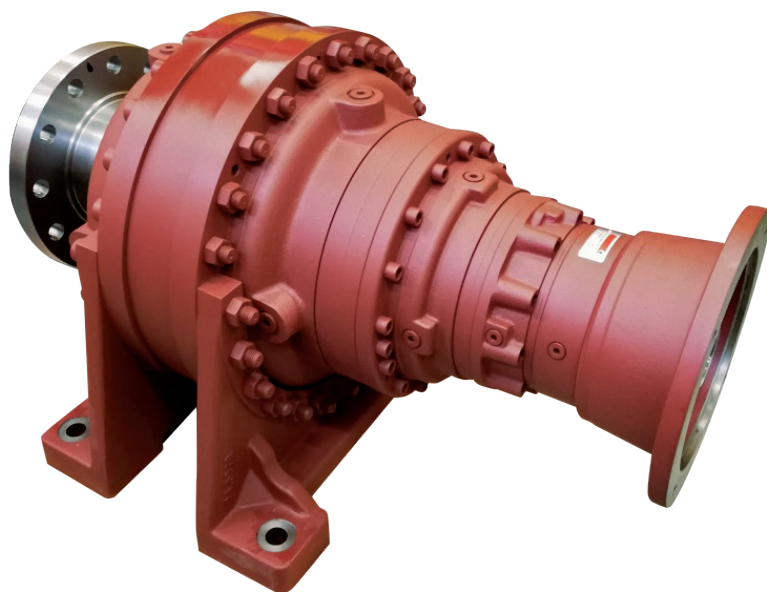
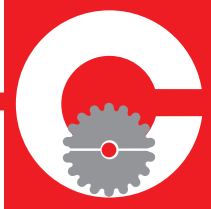
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa [N]	32000	32000	←
	32000	48000	→



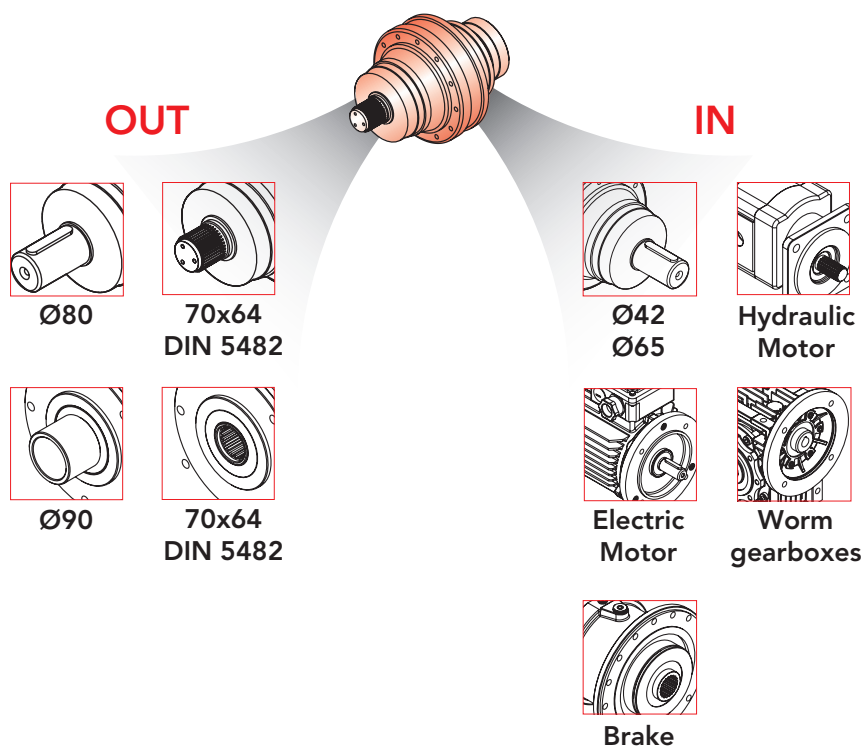
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- 2 Uscita / Output: CPS, CPC, CCPC





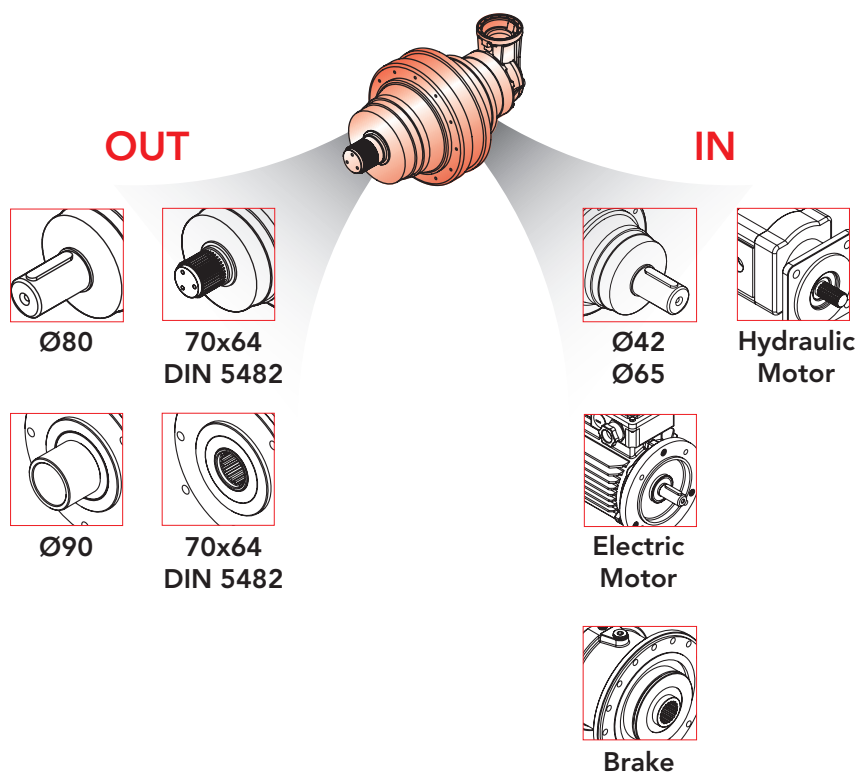
CHPL

	i	
7001	$3.67 \div 7.00$	1 reduction stage
7002	$13.9 \div 50.8$	2 reduction stages
7003	$53.8 \div 342.6$	3 reduction stages
7004	$301.1 \div 2968.9$	4 reduction stages

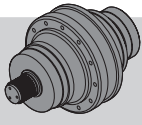
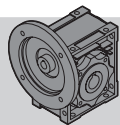
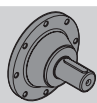


CHPLB

	i	
7002	$12.7 \div 38.1$	2 reduction stages
7003	$53.6 \div 148.9$	3 reduction stages
7004	$157.7 \div 1069.0$	4 reduction stages



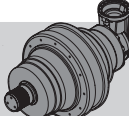
DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
7001	3.67	2935	121.5	14320	30	160 200	180	CHM 110	CM65 CP65
	4.43	2698	92.5	13080					
	5	2468	75	11480					
	5.8	2184	57.2	9720					
	7	1826	39.6	7860					
7002	13.9	3707	42	14320	18	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110	CM42 CM65 CP65
	18.3	3488	30	13080					
	20.6	3141	24	11480					
	22.9	3710	25.5	13080					
	26.6	3801	22.5	13080					
	30	3430	18	11480					
	36.3	3458	15	11480					
	42.1	3009	11.25	9720					
	50.8	2662	8.25	7860					
7003	53.8	4717	14.3	14320	14	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	64.8	4807	12.1	14320					
	71.7	4593	10.45	13080					
	78.3	4488	9.35	13080					
	88.4	4065	7.5	11480					
	93.7	4825	8.4	13080					
	102.1	5259	8.4	14320					
	112.9	4775	6.9	13080					
	127.9	5410	6.9	14320					
	139.2	4505	5.28	11480					
	148.8	5018	5.5	13080					
	155.4	4402	4.62	11480					
	174.4	4652	4.35	11480					
	194.9	3942	3.3	9720					
	216.7	5382	4.05	13080					
	244.7	4785	3.19	11480					
	283.8	4211	2.42	9720					
	342.6	3465	1.65	7860					
7004	301.1	6413	3.6	14320	8	63 80 100 132	71 90 112	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	332.4	6488	3.3	14320					
	347.9	6483	3.15	14320					
	400.7	6399	2.7	14320					
	434.4	6552	2.55	14320					
	474.3	6735	2.4	14320					
	523.6	6969	2.25	14320					
	571.7	7101	2.1	14320					
	632.4	6454	1.73	13080					
	661.9	6462	1.65	13080					
	747.3	5967	1.35	11480					
	768.7	6820	1.5	13080					
	832.3	7017	1.43	13080					
	870	6176	1.2	11480					
	976.5	6065	1.05	11480					
	1048.7	6517	1.05	11480					
	1177	6267	0.9	11480					
	1366.9	6671	0.85	11480					
	1651.6	6595	0.68	11480					
	2968.9	5270	0.3	7860					

n_{1max} = 2800 rpm



DATI TECNICI · TECHNICAL DATA

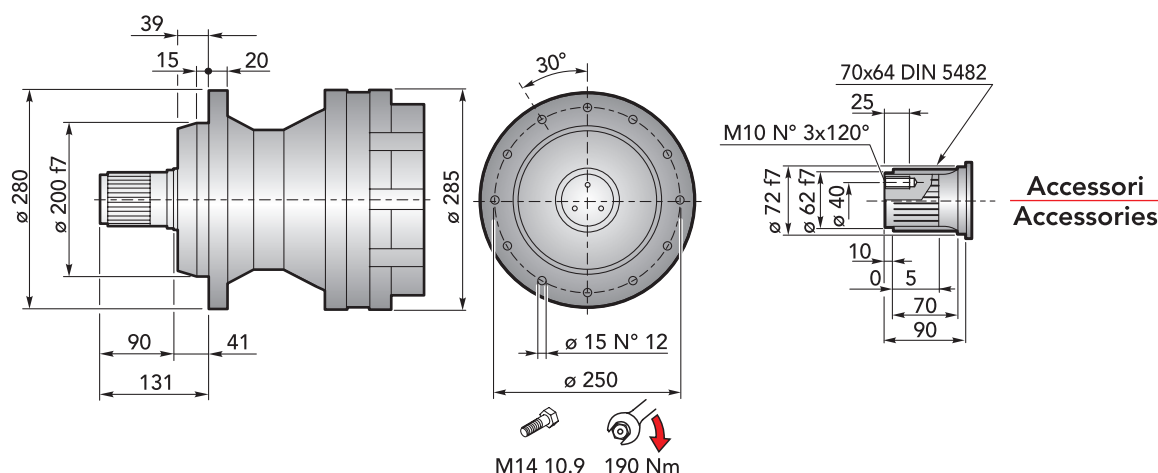
 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CM/CP
7002	12.7	3630	45	14320	18	63 80 100 132 180	71 90 112 160	CM42 CM65 CP65
	15.3	3500	36	13080				
	17.3	3144	28.6	11480				
	20	2669	21	9720				
	24.1	3661	23.95	13080				
	27.2	3370	19.5	11480				
	31.6	2860	14.25	9720				
	38.1	2541	10.5	7860				
7003	53.6	4337	13.2	13080	14	63 80 100 132	71 90 112 160	CM42 CM65 CP65
	55.6	4313	12.65	13080				
	60.5	3856	10.4	11480				
	67.1	4442	10.8	13080				
	77.9	4584	9.6	13080				
	88	4045	7.5	11480				
	94.2	4677	8.1	13080				
	106.3	4302	6.6	11480				
	123.3	3659	4.84	9720				
	148.9	3012	3.3	7860				
7004	157.7	5541	5.94	14320	8	63 80 100 132	71 90 112	CM42 CM65 CP65
	174.1	5665	5.5	14320				
	190.1	5938	5.28	14320				
	210.3	5412	4.35	13080				
	229.6	5500	4.05	13080				
	248.4	5951	4.05	14320				
	274.8	5608	3.45	13080				
	300.1	6250	4.15	13080				
	331.2	5819	3.86	13080				
	361.7	5885	3.58	13080				
	393	4347	2.43	9720				
	453	6191	3	13080				
	511.5	5658	2.43	11480				
	557	4712	1.86	9720				
	594	5798	2.15	11480				
	656.7	5555	1.43	11480				
	717.7	5604	1.32	11480				
	832.6	4876	0.99	9720				
	921.5	5996	1.1	11480				
	1069	5565	0.88	9720				

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

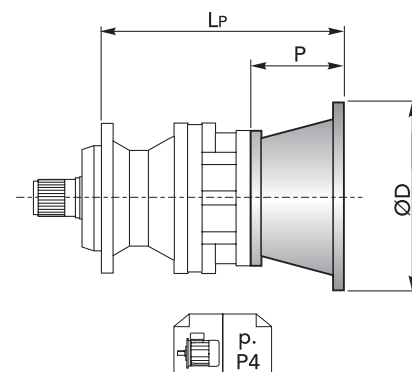
DIMENSIONI · DIMENSIONS



CHPL 7000 CPS - Flange motori IEC | IEC Motor flanges

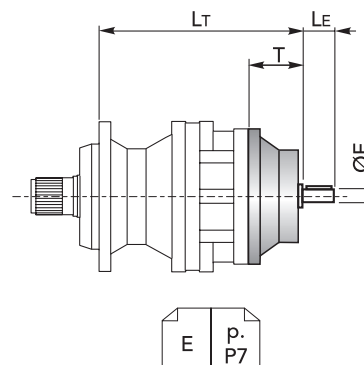
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7002	345.5	-	-	345.5	-	-	365.5	-	-	365.5	-	-	375.5	-	-
7003	393.5	36	140	393.5	36	160	413.5	56	200	413.5	56	200	423.5	66	250
7004	441.5	-	-	441.5	-	-	461.5	-	-	461.5	-	-	471.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	368	118	350	368	118	350	398	148	400
7002	375.5	-	-	409.5	-	-	448.5	-	-	448.5	139	350	-	-	-
7003	423.5	66	250	457.5	100	300	496.5	139	350	-	-	-	-	-	-
7004	471.5	-	-	505.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 7000 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
7001	-	-	-	-	371.5	121.5	105	65 h6	403	153	105	65 h6
7002	402.5	-	-	-	444.5	-	-	-	476	-	-	-
7003	450.5	93	82	42 h6	-	-	-	-	-	-	-	-
7004	498.5	-	-	-	-	-	-	-	-	-	-	-



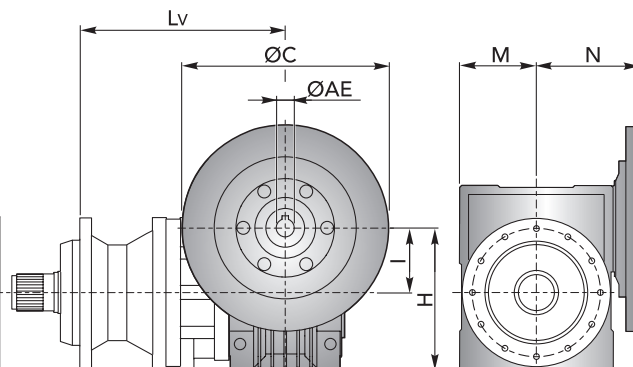


DIMENSIONI · DIMENSIONS

CHPL 7000 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-				
7002	435	50	110	60	80	444.5	63	135	72	95
7003	483					492.5				
7004	531					540.5				

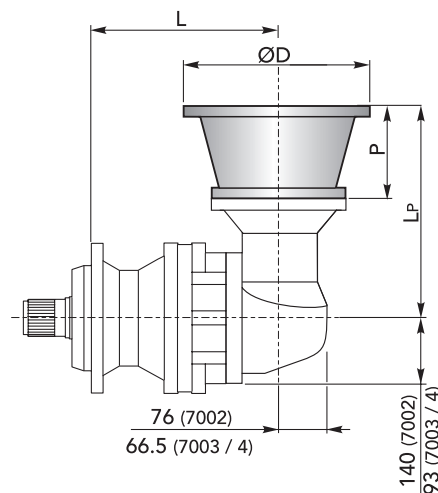
CHPL	CHM 75					CHM 90					CHM 110								
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N				
7001	-					-					388	110	237.5	127.5	160				
7002	423.5					433.5					461								
7003	471.5	75	161	86	112.5	481.5	90	193	103	129.5	-								
7004	519.5					529.5					-								



CHPLB 7000 CPS - Flange motori IEC | *IEC Motor flanges*

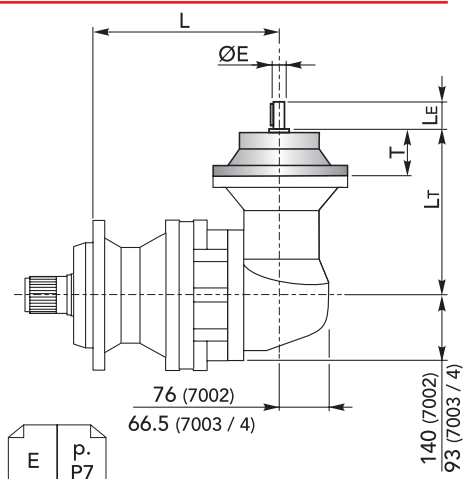
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	338	276	36	140	338	276	36	160	338	296	56	200	338	296	56	200
7003	384.5	196			384.5	196			384.5	216			384.5	216		
7004	432.5				432.5				432.5							

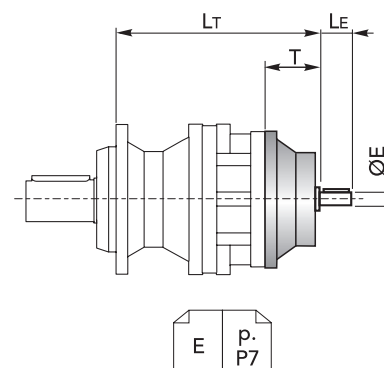
CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	338	306	66	250	338	306	66	250	338	340	100	300	338	379	139	350	338	379	139	350
7003	384.5	226			384.5	226			384.5	260			384.5	299			-			
7004	432.5				432.5				-											



CHPLB 7000 CPS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE
7002	338	333	93	82	42 h6	338	377.5	121.5	105	65 h6	338	409	153	105	65 h6
7003	384.5	253				384.5	297.5				384.5	329			
7004	432.5					432.5					432.5				





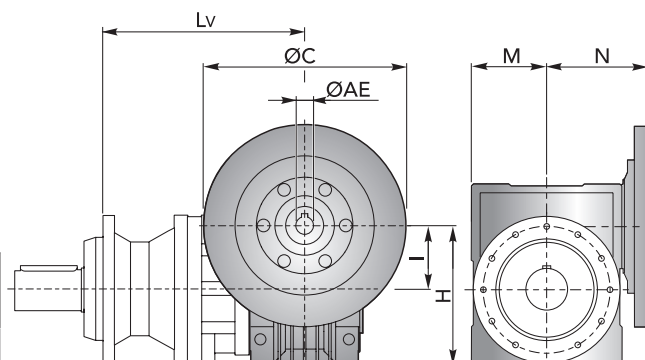


DIMENSIONI · DIMENSIONS

CHPL 7000 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-				
7002	435	50	110	60	80	444.5	63	135	72	95
7003	483					492.5				
7004	531					540.5				

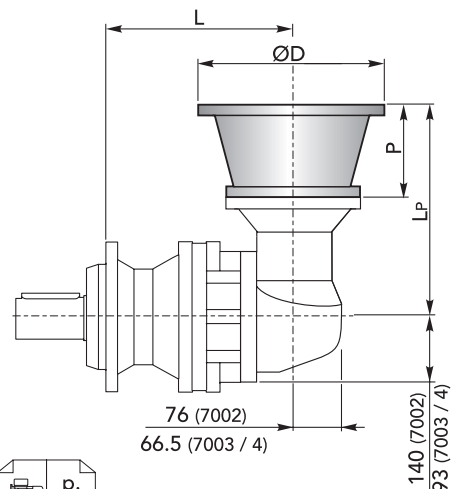
CHPL	CHM 75					CHM 90					CHM 110								
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N				
7001	-					-					388	110	237.5	127.5	160				
7002	423.5	75	161	86	112.5	433.5	90	193	103	129.5	461								
7003	471.5					481.5					-								
7004	519.5					529.5					-								



CHPLB 7000 CPC - Flange motori IEC | *IEC Motor flanges*

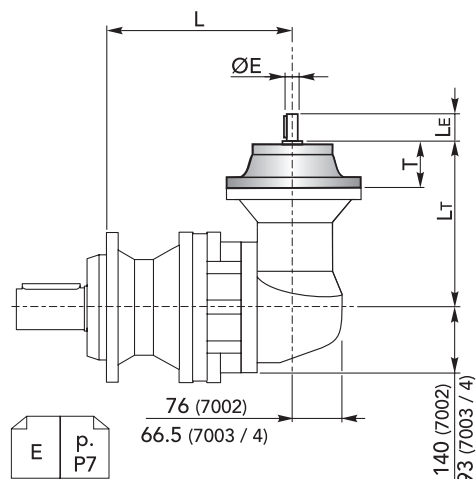
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	338	276	36	140	338	276	36	160	338	296	56	200	338	296	56	200
7003	384.5	196			384.5	196			384.5	216			384.5	216		
7004	432.5				432.5				432.5							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180				
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	
7002	338	306	66	250	338	306	66	250	338	340	100	300	338	379	139	350	338	379	139	350	
7003	384.5	226			384.5	226			384.5	260			384.5	299			-	-			
7004	432.5				432.5				-												

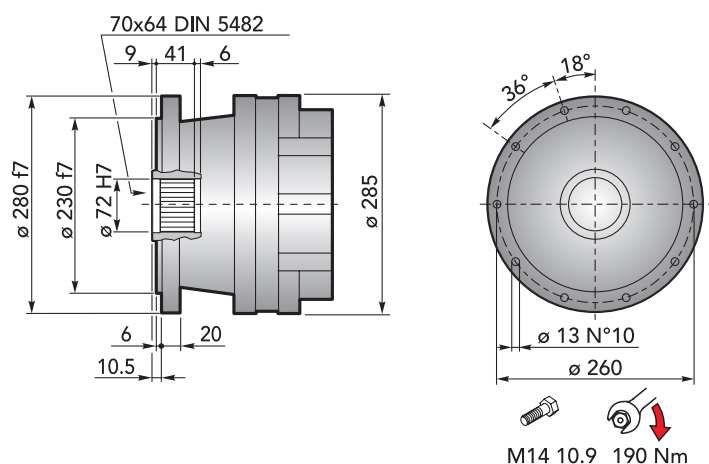


CHPLB 7000 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE
7002	338	333	93	82	42 h6	338	377.5	121.5	105	65 h6	338	409	153	105	65 h6
7003	384.5	253				384.5	297.5				384.5	329			
7004	432.5					432.5					432.5				

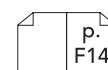


DIMENSIONI · DIMENSIONS



Accessori
Accessories

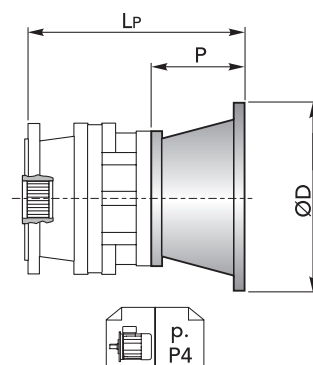
CHKB



CHPL 7000 CF - Flange motori IEC | IEC Motor flanges

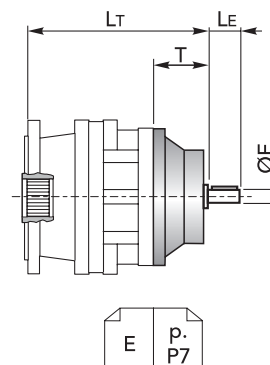
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
7001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7002	292	-	-	292	-	-	312	-	-	312	-	-	322	-	-
7003	340	36	140	340	36	160	360	56	200	360	56	200	370	66	250
7004	388	-	-	388	-	-	408	-	-	408	-	-	418	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
7001	-	-	-	-	-	-	314.5	118	350	314.5	118	350	344.5	148	400
7002	322	-	-	356	-	-	395	139	350	395	139	350	-	-	-
7003	370	66	250	404	100	300	443	-	-	-	-	-	-	-	-
7004	418	-	-	452	-	-	-	-	-	-	-	-	-	-	-



CHPL 7000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
7001	-	-	-	-	318	121.5	105	65 h6	349.5	153	105	65 h6
7002	349	-	-	-	391	-	-	-	422.5	-	-	-
7003	397	93	82	42 h6	-	-	-	-	-	-	-	-
7004	445	-	-	-	-	-	-	-	-	-	-	-



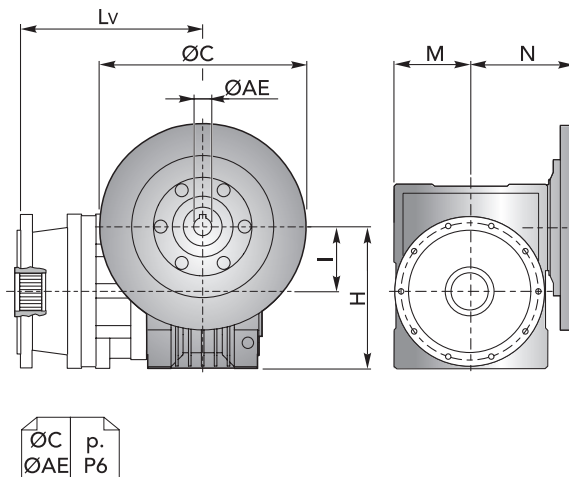


DIMENSIONI · DIMENSIONS

CHPL 7000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-				
7002	338	50	110	60	80	391	63	135	72	95
7003	429.5					439				
7004	477.5					487				

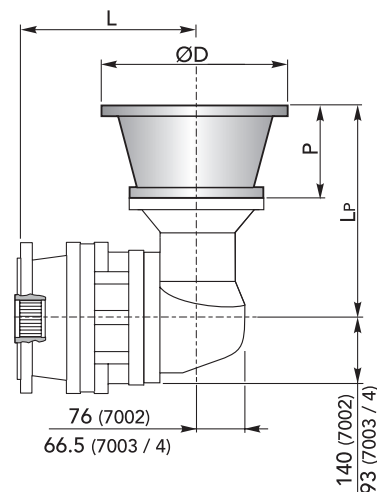
CHPL	CHM 75					CHM 90					CHM 110								
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N				
7001	-					-					334.5	110	237.5	127.5	160				
7002	370	75	161	86	112.5	380	90	193	103	129.5	407.5								
7003	418					428					-								
7004	466					476					-								



CHPLB 7000 CF - Flange motori IEC | *IEC Motor flanges*

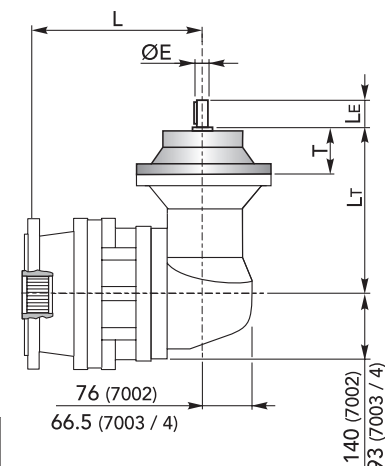
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	284.5	276	36	140	284.5	276	36	160	284.5	296	56	200	284.5	296	56	200
7003	331	196			331	196			331	216			331	216		
7004	379				379				379							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	284.5	306	66	250	284.5	306	66	250	284.5	340	100	300	284.5	379	139	350	284.5	379	139	350
7003	331	226			331	226			331	260			331	299			-			
7004	379				379				-											

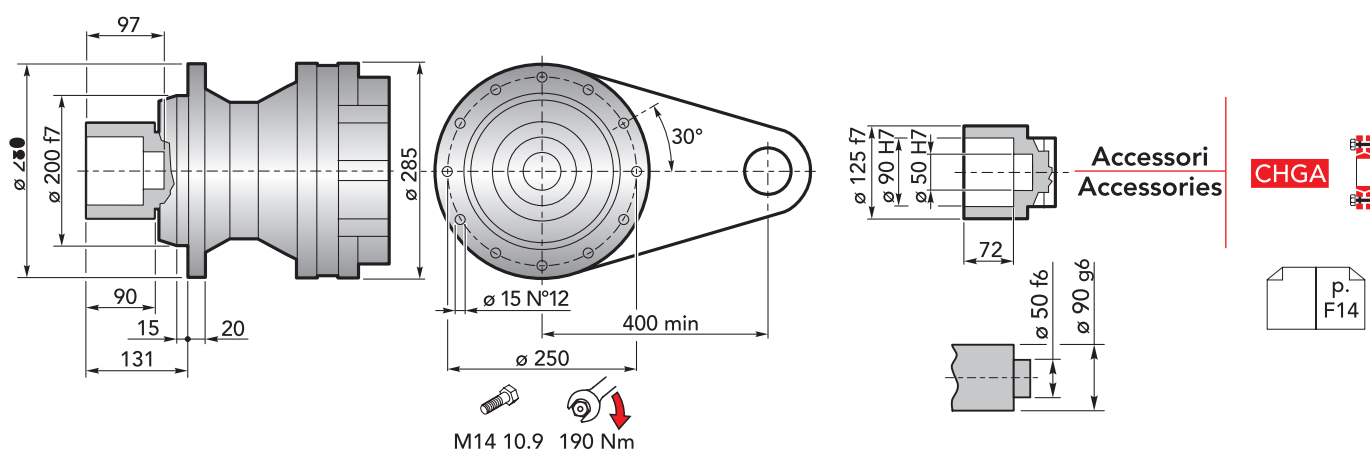


CHPLB 7000 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE
7002	284.5	333	93	82	42 h6	284.5	377.5	121.5	105	65 h6	284.5	409	153	105	65 h6
7003	331	253				331	297.5				331	329			
7004	379					379					379				



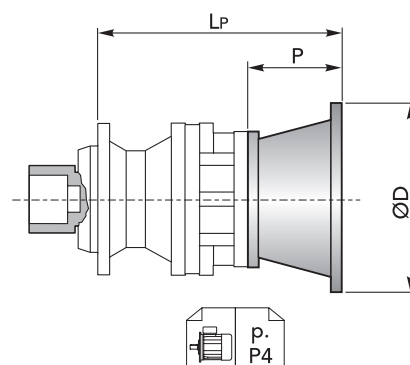
DIMENSIONI · DIMENSIONS



CHPL 7000 CFS - Flange motori IEC | IEC Motor flanges

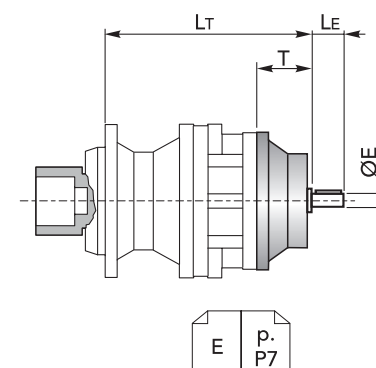
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7002	345.5	-	-	345.5	-	-	365.5	-	-	365.5	-	-	375.5	-	-
7003	393.5	36	140	393.5	36	160	413.5	56	200	413.5	56	200	423.5	66	250
7004	441.5	-	-	441.5	-	-	461.5	-	-	461.5	-	-	471.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	368	118	350	368	118	350	398	148	400
7002	375.5	-	-	409.5	-	-	448.5	139	350	448.5	139	350	-	-	-
7003	423.5	66	250	457.5	100	300	496.5	-	-	-	-	-	-	-	-
7004	471.5	-	-	505.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 7000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
7001	-	-	-	-	371.5	121.5	105	65 h6	403	153	105	65 h6
7002	402.5	-	-	-	444.5	-	-	-	476	-	-	-
7003	450.5	93	82	42 h6	-	-	-	-	-	-	-	-
7004	498.5	-	-	-	-	-	-	-	-	-	-	-



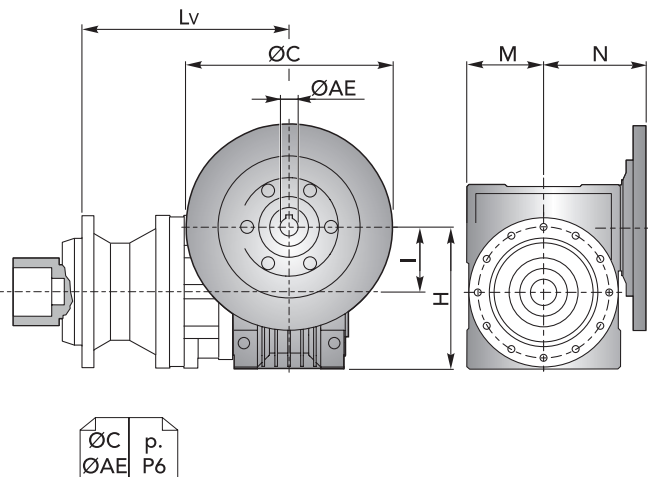


DIMENSIONI · DIMENSIONS

CHPL 7000 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-				
7002	435	50	110	60	80	444.5	63	135	72	95
7003	483					492.5				
7004	531					540.5				

CHPL	CHM 75					CHM 90					CHM 110								
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N				
7001	-					-					388	110	237.5	127.5	160				
7002	423.5	75	161	86	112.5	433.5	90	193	103	129.5	461								
7003	471.5					481.5					-								
7004	519.5					529.5					-								

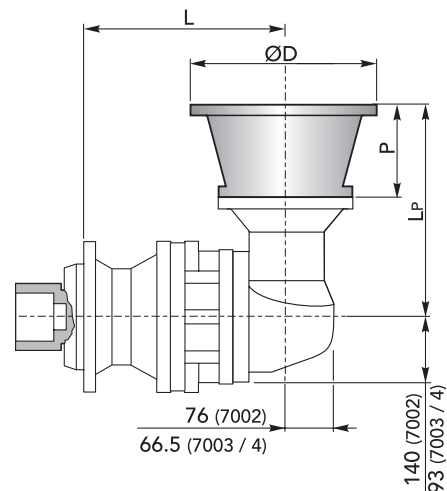


CHPL / CHPLB 7000 CFS

CHPLB 7000 CFS - Flange motori IEC | IEC Motor flanges

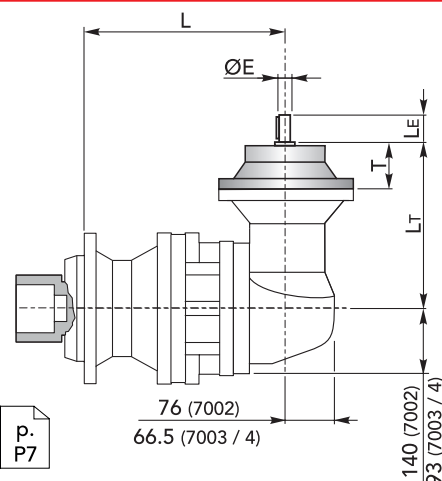
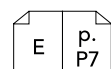
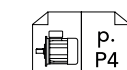
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	338	276	36	140	338	276	36	160	338	296	56	200	338	296	56	200
7003	384.5	196			384.5	196			384.5	216			384.5	216		
7004	432.5				432.5				432.5							

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	338	306	66	250	338	306	66	250	338	340	100	300	338	379	139	350	338	379	139	350
7003	384.5	226			384.5	226			384.5	260			384.5	299			-			
7004	432.5				432.5				-											

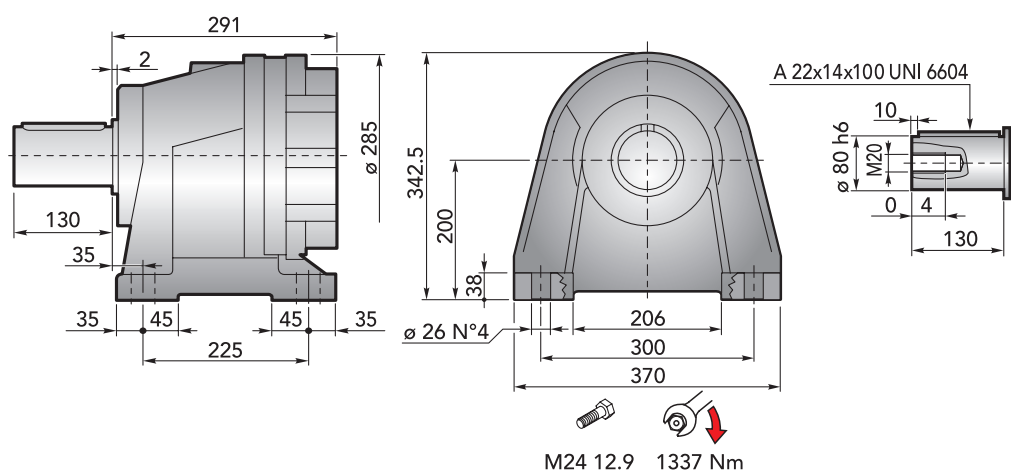


CHPLB 7000 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE	L	L _T	T	L _E	ØE
7002	338	333	93	82	42 h6	338	377.5	121.5	105	65 h6	338	409	153	105	65 h6
7003	384.5	253				384.5	297.5				384.5	329			
7004	432.5					432.5					432.5				



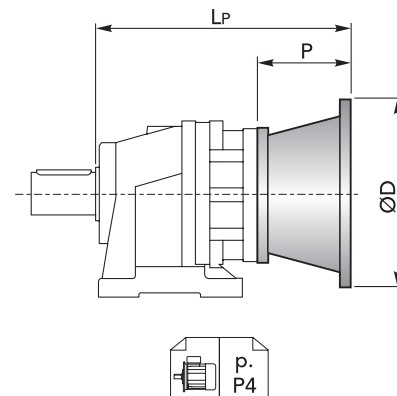
DIMENSIONI · DIMENSIONS



CHPL 7000 CCPC - Flange motori IEC | IEC Motor flanges

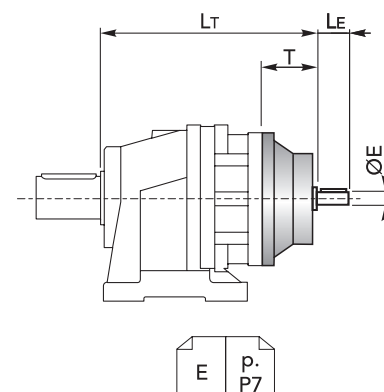
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7002	386.5	-	-	386.5	-	-	406.5	-	-	406.5	-	-	416.5	-	-
7003	434.5	36	140	434.5	36	160	454.5	56	200	454.5	56	200	464.5	66	250
7004	482.5	-	-	482.5	-	-	502.5	-	-	502.5	-	-	512.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
7001	-	-	-	-	-	-	409	118	350	409	118	350	439	148	400
7002	416.5	-	-	450.5	-	-	489.5	-	-	489.5	139	350	-	-	-
7003	464.5	66	250	498.5	100	300	537.5	139	350	-	-	-	-	-	-
7004	512.5	-	-	546.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 7000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
7001	-	-	-	-	412.5	121.5	105	65 h6	444	153	105	65 h6
7002	443.5	-	-	-	485.5	-	-	-	517	-	-	-
7003	491.5	93	82	42 h6	-	-	-	-	-	-	-	-
7004	539.5	-	-	-	-	-	-	-	-	-	-	-



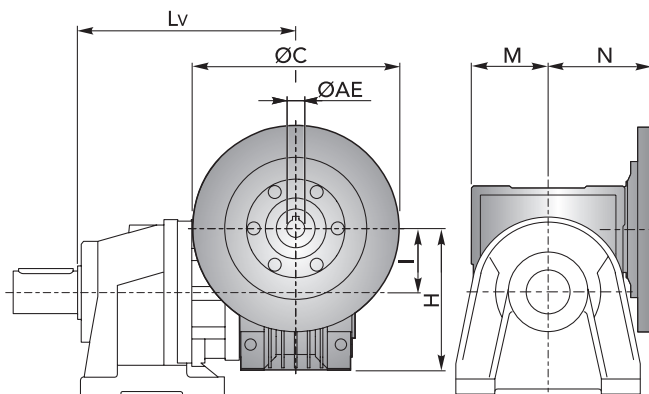


DIMENSIONI · DIMENSIONS

CHPL 7000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63				
	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-				
7002	476	50	110	60	80	485.5	63	135	72	95
7003	524					533.5				
7004	572					581.5				

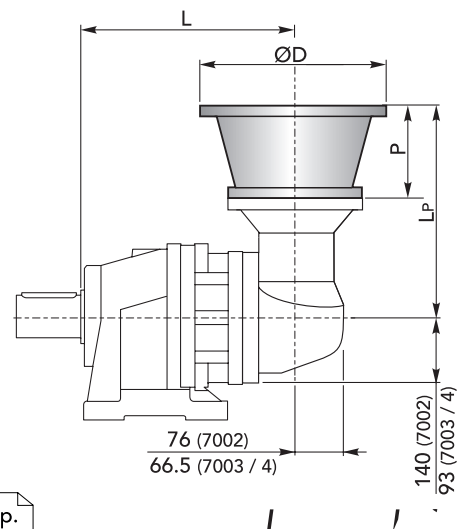
CHPL	CHM 75					CHM 90					CHM 110				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
7001	-					-					429	110	237.5	127.5	160
7002	464.5	75	161	86	112.5	474.5	90	193	103	129.5	502				
7003	512.5					522.5									
7004	560.5					570.5					-				



CHPLB 7000 CCPC - Flange motori IEC | *IEC Motor flanges*

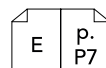
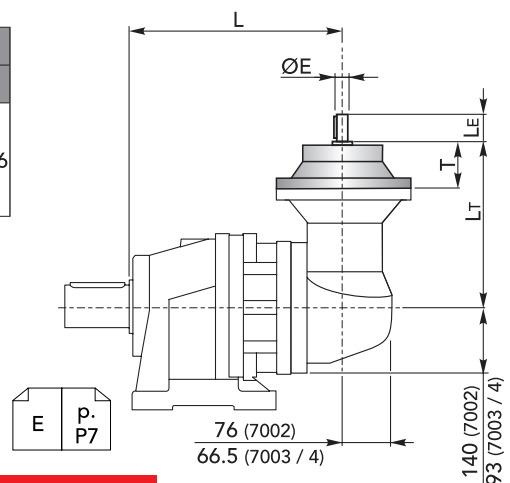
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	379	276	36	140	379	276	36	160	379	296	56	200	379	296	56	200
7003	425.5	196			425.5	196			425.5	216			425.5	216		
7004	473.5				473.5				473.5				473.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
7002	379	306	66	250	379	306	66	250	379	340	100	300	379	379	139	350	379	379	139	350
7003	425.5	226			425.5	226			425.5	260			425.5	299			-			
7004	473.5				473.5				-											



CHPLB 7000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
7002	379	333	93	82	42 h6	379	377.5	121.5	105	65 h6	379	409	153	105	65 h6
7003	425.5	253				425.5	297.5				425.5	329			
7004	473.5					473.5					473.5				

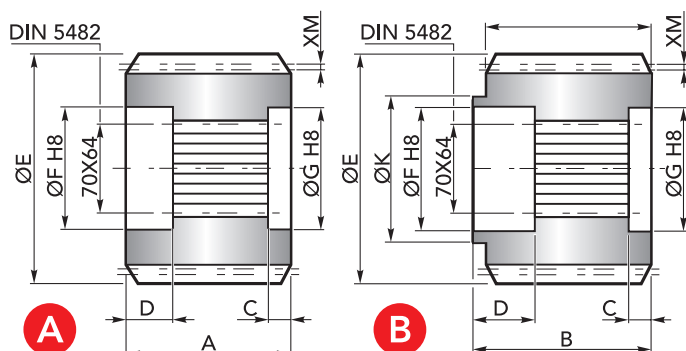


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

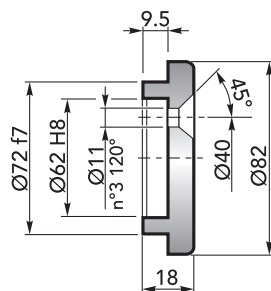


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CPS	10	11	8.06	90	-	10	31	142.1	72	72	-	1071.267.042
	CPS	10	12	0	90	-	10	31	140	72	72	-	1071.166.042
	CPS	10	13	0	90	-	10	30	155	72	72	-	1071.201.042
B	CPS	10	11	8.06	90	99	18.5	31	142.1	72	72	84	1071.285.042

CHFF



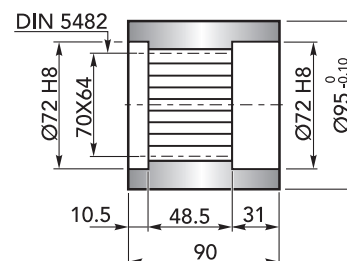
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.012.000

CHBS



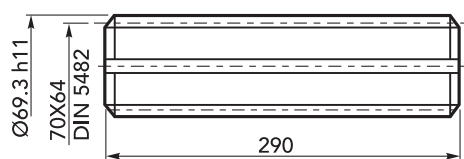
Boccola scanalata | Splined bushing

Codice / Code:
5171.102.076

CHKB



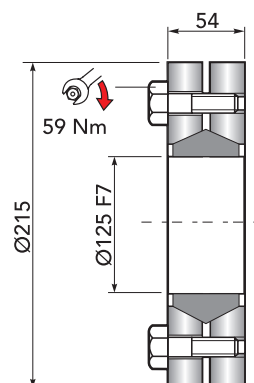
Barra scanalata | Splined rod

Codice / Code:
3071.405.042

CHGA



Giunto di attrito | Shrink disc

Codice / Code:
5109.125.000Coppia max: 13000 Nm⁽¹⁾
Max Torque: 13000 Nm⁽¹⁾

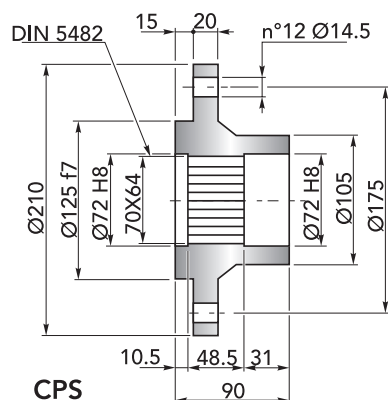
(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

CHFL



Flangia | Flange

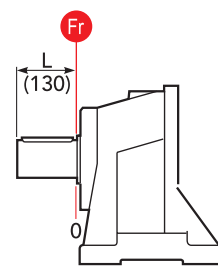
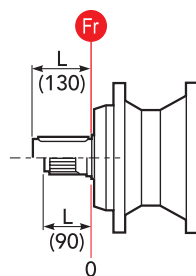
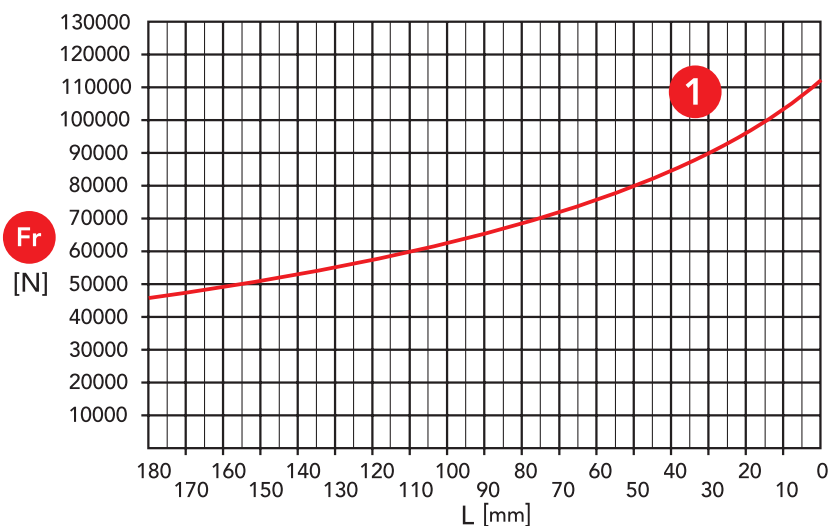
Codice / Code:
5171.108.098



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



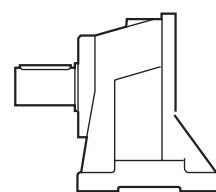
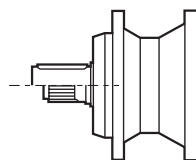
1 Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

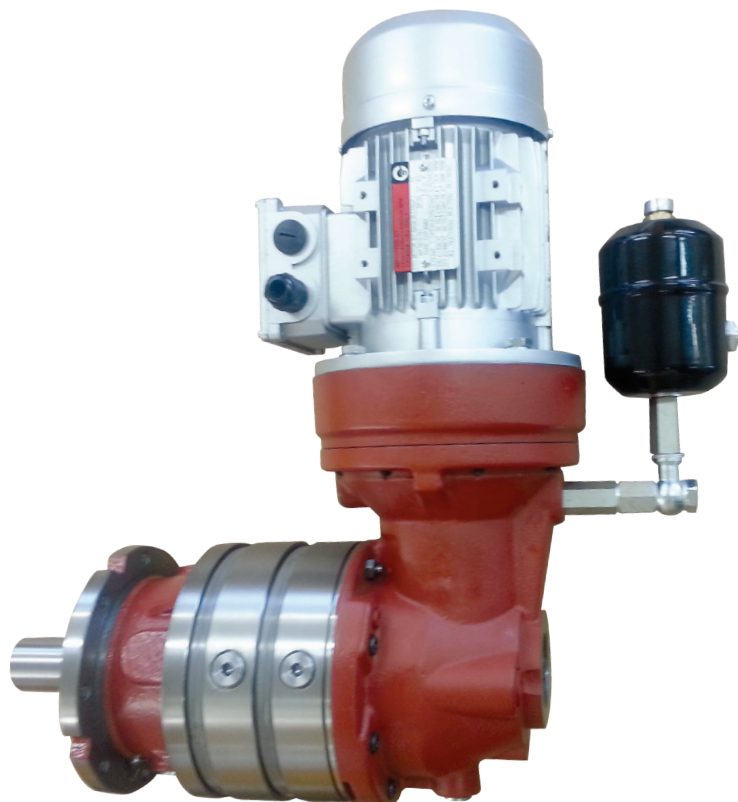
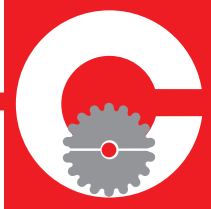
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	
Fa [N]	40000	←
	60000	→

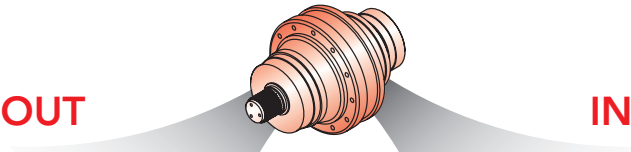
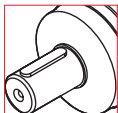
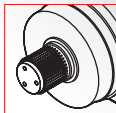
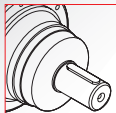
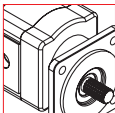
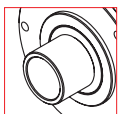
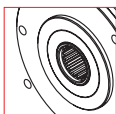
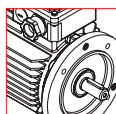
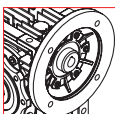
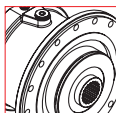


1 Uscita / Output: CPS, CPC, CCPC

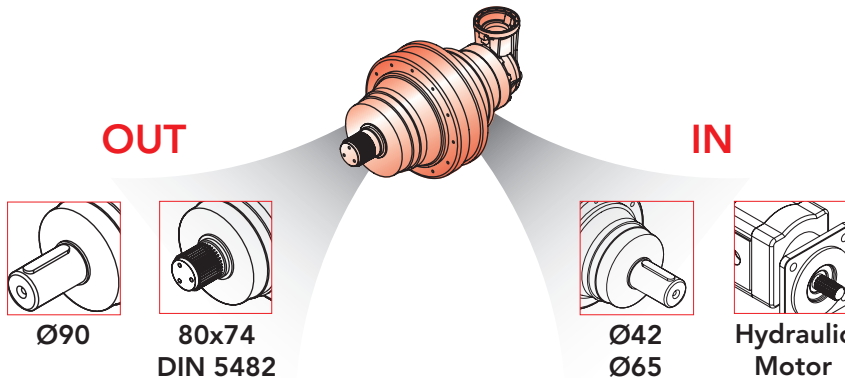
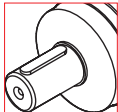
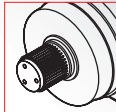
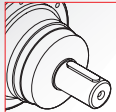
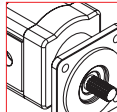
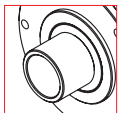
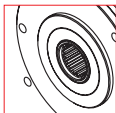
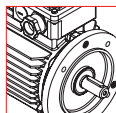
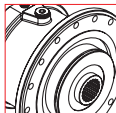




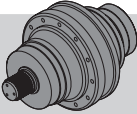
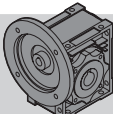
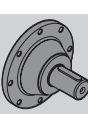
CHPL

	i					
10001	3.56 ÷ 8.67	1 reduction stage	 Ø90	 80x74 DIN 5482	 Ø42 Ø65	 Hydraulic Motor
10002	13.4 ÷ 48.9	2 reduction stages	 Ø100	 80x74 DIN 5482	 Electric Motor	 Worm gearboxes
10003	57.6 ÷ 330.3	3 reduction stages				
10004	352.0 ÷ 2229.7	4 reduction stages			 Brake	

CHPLB

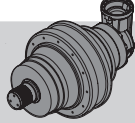
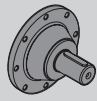
	i					
10002	12.3 ÷ 36.7	2 reduction stages	 Ø90	 80x74 DIN 5482	 Ø42 Ø65	 Hydraulic Motor
10003	46.4 ÷ 266.4	3 reduction stages	 Ø100	 80x74 DIN 5482	 Electric Motor	
10004	140.1 ÷ 969.0	4 reduction stages			 Brake	

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
10001	3.56	5098	218	24900	30	160 200	180 225	CHM 110 CHM 130	CM65 CP65
	4.29	4448	158	21420					
	5.6	3595	98	16640					
	6.75	3000	68	12700					
	8.67	2140	38	9000					
10002	13.4	6385	75	24900	18	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130	CM42 CM65 CP65
	16.2	5660	55	21420					
	18.4	6685	57	24900					
	22.1	5868	42	21420					
	25.7	6107	37.4	21420					
	28.9	4898	26.7	16640					
	33.6	5107	23.9	16640					
	40.5	4024	15.64	12700					
	48.9	4002	12.88	12700					
10003	57.6	8120	23	24900	14	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	62.9	8513	22	24900					
	75.2	8482	18.4	24900					
	82.1	8797	17.48	24900					
	94.9	8028	13.8	21420					
	109.3	8040	12	21420					
	118.5	6319	8.7	16640					
	124	8208	10.8	21420					
	129.4	6426	8.1	16640					
	144	8475	9.6	21420					
	155.9	6595	6.9	16640					
	173.6	8619	8.1	21420					
	188.2	6853	5.94	16640					
	195.3	6848	5.72	16640					
	209.7	5373	4.18	12700					
	226.8	7036	5.06	16640					
	235.4	5398	3.74	12700					
	274.1	7022	4.18	16640					
	330.3	5791	2.86	12700					
10004	352	10995	5.28	24900	8	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	388.6	11126	4.84	24900					
	421.2	11510	4.62	24900					
	440.9	10329	3.96	21420					
	459.9	11970	4.4	24900					
	507.7	11893	3.96	24900					
	531.4	10374	3.3	21420					
	554.4	12266	3.74	24900					
	576.1	8247	2.42	16640					
	612	10356	2.86	21420					
	640.5	10836	2.86	21420					
	724.4	8485	1.98	16640					
	806.4	8395	1.76	16640					
	907.3	9446	1.65	16640					
	1008.9	11817	1.98	21420					
	1093.7	9251	1.43	16640					
	1270.1	9504	1.27	16640					
	1503.9	9962	1.1	16640					
	1849.8	10231	0.94	16640					
	2229.7	7980	0.61	12700					



DATI TECNICI · TECHNICAL DATA

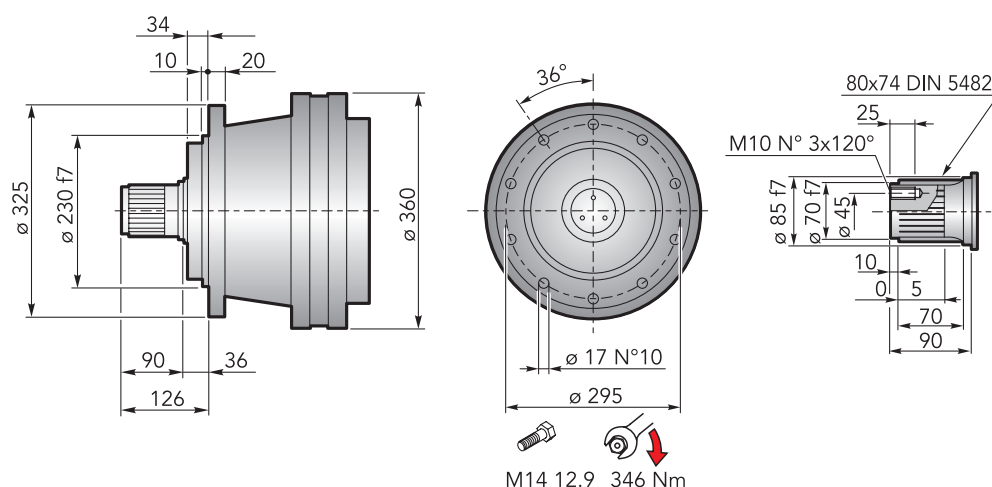
 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CM/CP
10002	12.3	6329	81	24900	23	63	71	CM42 CM65 CP65
	14.8	5640	60	21420		80	90	
	19.3	4598	37.5	16640		100	112	
	23.3	3542	23.92	12700		132	160	
	30.5	4990	25.76	16640		180		
	36.7	3861	16.56	12700				
10003	46.4	7823	27.5	24900	15	63	71	CM42 CM65 CP65
	50.7	8206	26.4	24900		80	90	
	61.1	7004	18.7	21420		100	112	
	73.1	8379	18.7	24900		132	160	
	88.8	7785	14.3	21420				
	96.2	7785	13.2	21420				
	116.1	6264	8.8	16640				
	120.6	7984	10.8	21420				
	125.8	6479	8.4	16640				
	140	8239	9.6	21420				
	157.5	6566	6.8	16640				
	182.9	6728	6	16640				
	221	7045	5.2	16640				
	266.4	5226	3.2	12700				
10004	140.1	9614	11.6	24900	11	63	71	CM42 CM65 CP65
	168.9	9990	10	24900		80	90	
	184.4	8726	8	21420		100	112	
	203.5	8667	7.2	21420		132	160	
	230.9	10380	7.6	24900				
	265.9	9438	6	21420				
	278.4	10540	6.4	21420				
	301.8	9284	5.2	24900				
	320.6	9104	4.8	21420				
	350	7454	3.6	21420				
	379.5	7407	3.3	16640				
	418.9	7633	3.08	16640				
	457.4	7738	2.86	16640				
	510.4	7971	2.64	16640				
	551.9	8260	2.53	16640				
	665.3	8226	2.09	16640				
	803.9	8893	1.87	16640				
	969	6936	1.21	12700				

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

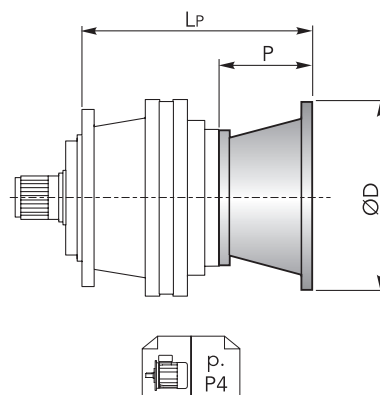
DIMENSIONI · DIMENSIONS

Accessori
Accessories

CHPL 10000 CMS - Flange motori IEC | IEC Motor flanges

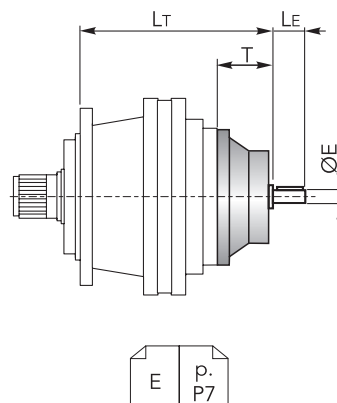
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			-			-			-		
10002	331.5			331.5			351.5			351.5			361.5		
10003	392.5	36	140	392.5	36	160	412.5	56	200	412.5	56	200	422.5	66	250
10004	440.5			440.5			460.5			460.5			470.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			342	118	350	342	118	350	372	148	400	363	139	450
10002	361.5			395.5			434.5			434.5	139	350	-			-		
10003	422.5	66	250	456.5	100	300	495.5	139	350	-			-			-		
10004	470.5			504.5			543.5			-			-			-		



CHPL 10000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
10001	-				345.5	121.5	105	65 h6	377	153	105	65 h6
10002	388.5				430.5				462			
10003	449.5	93	82	42 h6	-				-			
10004	497.5				-				-			



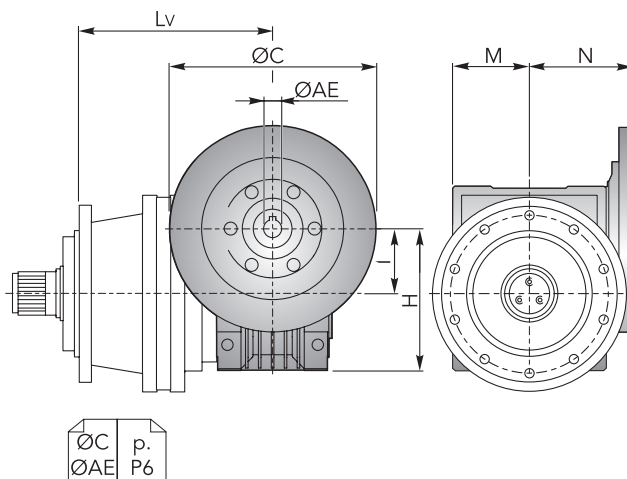


DIMENSIONI · DIMENSIONS

CHPL 10000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					-					-				
10002	421	50	110	60	80	430.5	63	135	72	95	409.5	75	161	86	112.5
10003	482					491.5					470.5				
10004	530					539.5					518.5				

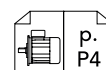
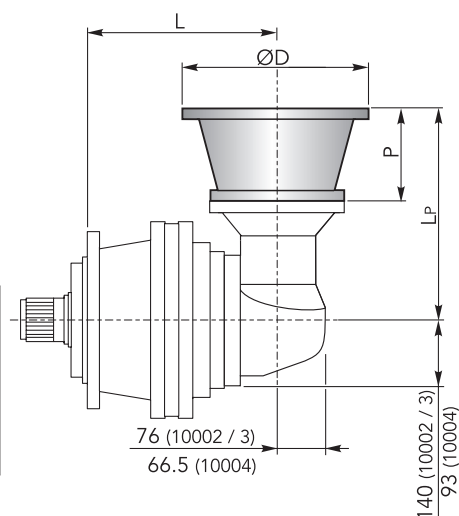
CHPL	CHM 90					CHM 110					CHM 130												
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N								
10001	-					362	110	237.5	127.5	160	369	130	277.5	147.5	180								
10002	419.5	90	193	103	129.5	447					454												
10003	480.5					-					-												
10004	528.5					-					-												



CHPLB 10000 CMS - Flange motori IEC | *IEC Motor flanges*

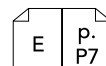
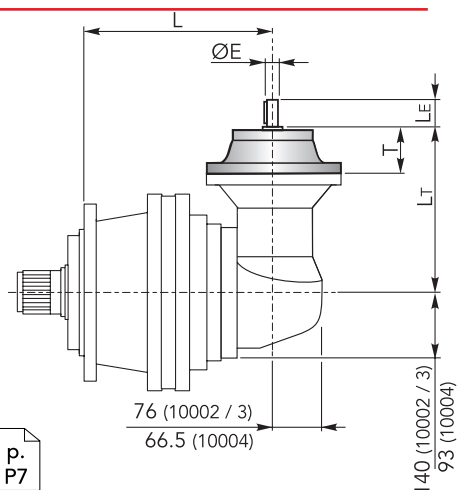
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	276	36	140	312	276	36	160	312	296	56	200	312	296	56	200
10003	397				397				397				397			
10004	431.5	196	66	250	431.5	196	66	250	431.5	216	139	350	431.5	216	139	350

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	306	66	250	312	306	66	250	312	340	100	300	312	379	139	350	312	379	139	350
10003	397				397				397				397				-			
10004	431.5	226	66	250	431.5	226	66	250	431.5	260	100	300	431.5	299	139	350	-	139	350	350

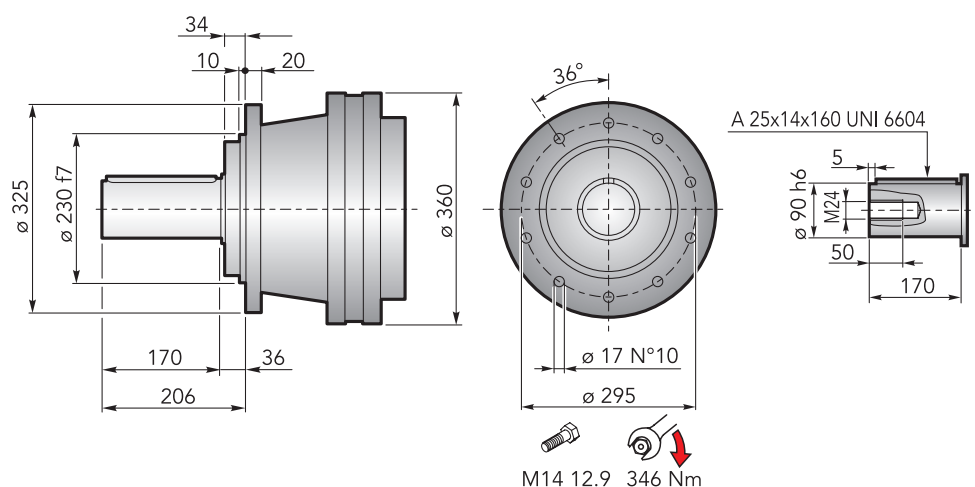


CHPLB 10000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
10002	312	333	93	82	42 h6	312	377.5	121.5	105	65 h6	312	409	153	105	65 h6
10003	397					397					397				
10004	431.5	253	66	250	42 h6	431.5	297.5	100	300	65 h6	431.5	329	139	350	350



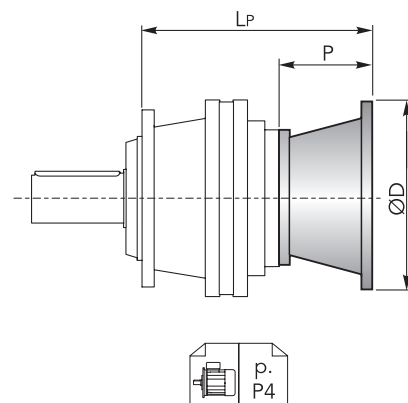
DIMENSIONI · DIMENSIONS



CHPL 10000 CMC - Flange motori IEC | IEC Motor flanges

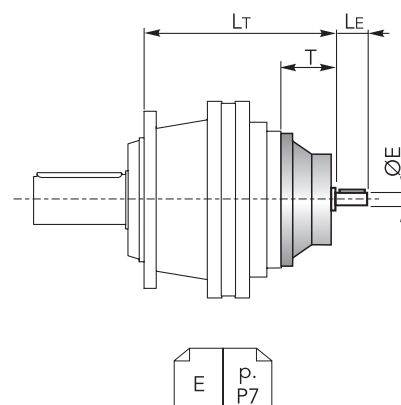
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			-			-			-		
10002	331.5	36	140	331.5	36	160	351.5	56	200	351.5	56	200	361.5	66	250
10003	392.5			392.5			412.5			412.5			422.5		
10004	440.5			440.5			460.5			460.5			470.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			342	118	350	342	118	350	372	148	400	363	139	450
10002	361.5	66	250	395.5	100	300	434.5	139	350	434.5	139	350	-			-		
10003	422.5			456.5			495.5			-			-			-		
10004	470.5			504.5			543.5			-			-			-		



CHPL 10000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
10001	-				345.5	121.5	105	65 h6	377	153	105	65 h6
10002	388.5	93	82	42 h6	430.5				462			
10003	449.5				-				-			
10004	497.5				-				-			



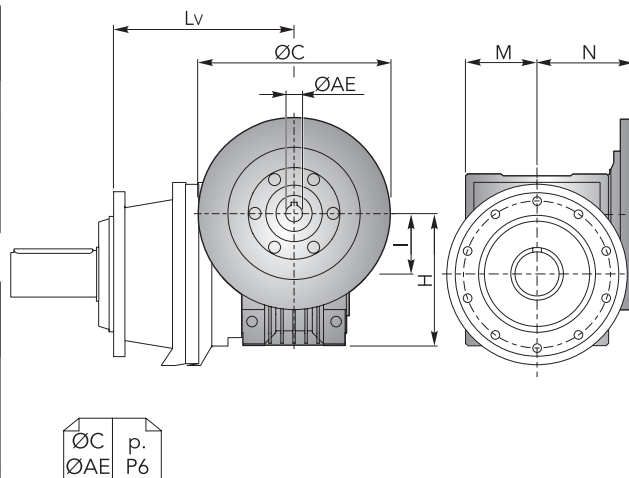


DIMENSIONI · DIMENSIONS

CHPL 10000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					-					-				
10002	421	50	110	60	80	430.5	63	135	72	95	409.5	75	161	86	112.5
10003	482					491.5					470.5				
10004	530					539.5					518.5				

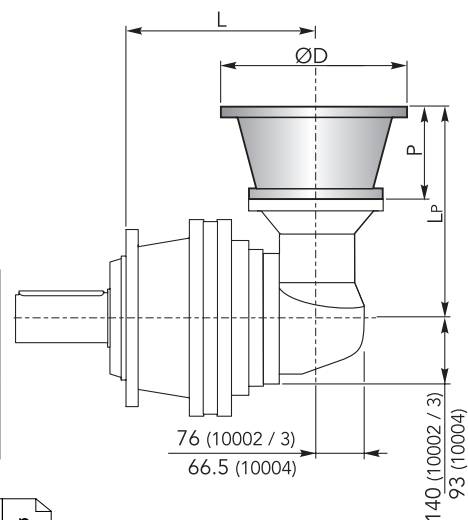
CHPL	CHM 90					CHM 110					CHM 130												
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N								
10001	-					362	110	237.5	127.5	160	369	130	277.5	147.5	180								
10002	419.5	90	193	103	129.5	447					454												
10003	480.5					-					-												
10004	528.5					-					-												



CHPLB 10000 CMC - Flange motori IEC | *IEC Motor flanges*

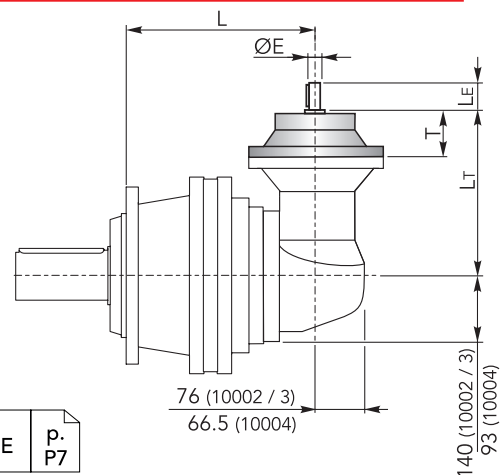
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	276	36	140	312	276	36	160	312	296	56	200	312	296	56	200
10003	397				397				397				397			
10004	431.5				431.5				431.5				431.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	306	66	250	312	306	66	250	312	340	100	300	312	379	139	350	312	379	139	350
10003	397				397				397				397				-			
10004	431.5				431.5				431.5				431.5				-			



CHPLB 10000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
10002	312	333	93	82	42 h6	312	377.5	121.5	105	65 h6	312	409	153	105	65 h6
10003	397					397					397				
10004	431.5					431.5					431.5				





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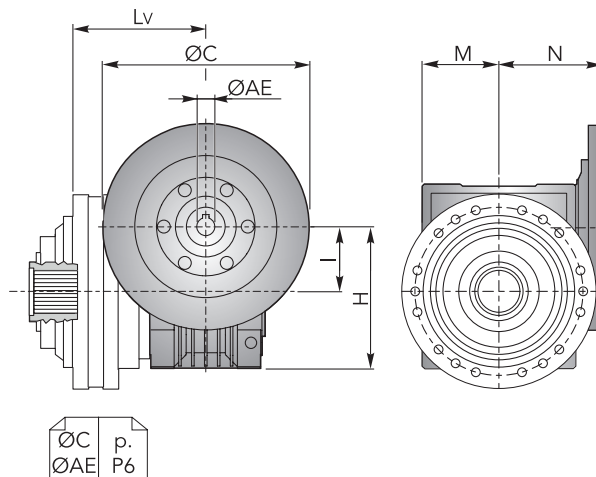


DIMENSIONI · DIMENSIONS

CHPL 10000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10002	308	-	-	-	-	317.5	-	-	-	-	296.5	-	-	-	-
10003	369	50	110	60	80	378.5	63	135	72	95	357.5	75	161	86	112.5
10004	417	-	-	-	-	426.5	-	-	-	-	405.5	-	-	-	-

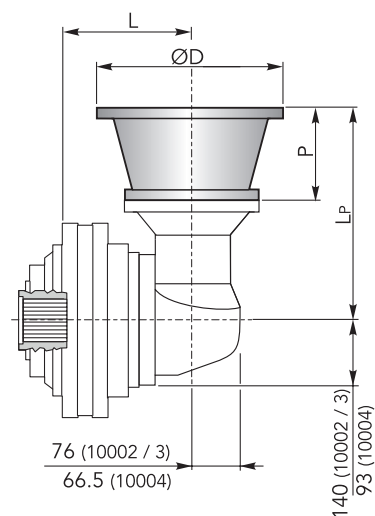
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-	-	-	-	-	249	-	-	-	-	256	-	-	-	-
10002	306.5	-	-	-	-	334	110	237.5	127.5	160	341	130	277.5	147.5	180
10003	367.5	90	193	103	129.5	-	-	-	-	-	-	-	-	-	-
10004	415.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPLB 10000 CF - Flange motori IEC | *IEC Motor flanges*

CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	199	-	-	-	199	-	-	-	199	-	-	-	199	-	-	-
10003	284	276	36	140	284	276	36	160	284	296	56	200	284	296	56	200
10004	318.5	196	-	-	318.5	196	-	-	318.5	216	-	-	318.5	216	-	-

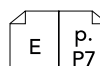
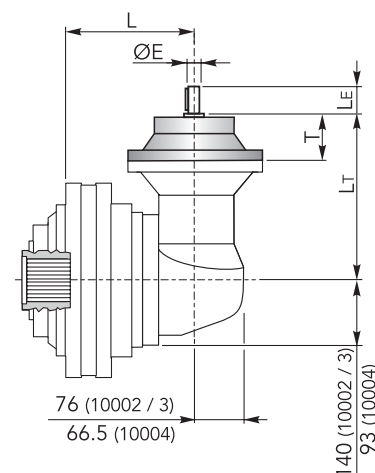
CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	199	-	-	-	199	-	-	-	199	-	-	-	199	-	-	-	199	379	139	350
10003	284	306	66	250	284	306	66	250	284	340	100	300	284	379	139	350	-	-	-	-
10004	318.5	226	-	-	318.5	226	-	-	318.5	260	-	-	318.5	299	-	-	-	-	-	-



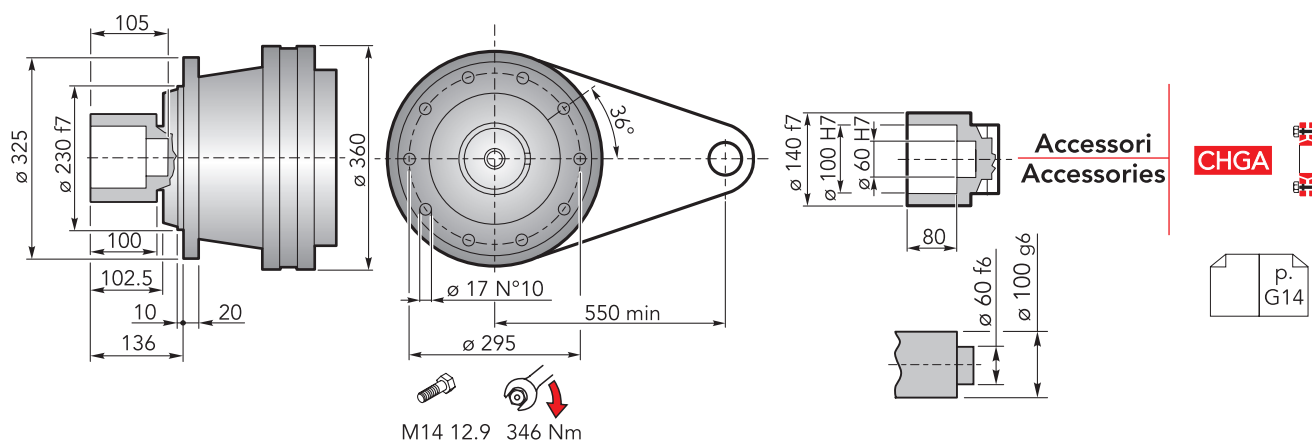
CHPLB 10000 CF - Alberi maschi entrata | *Male input shafts*



CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
10002	199	-	-	-	-	199	-	-	-	-	199	-	-	-	-
10003	284	333	93	82	42 h6	284	377.5	121.5	105	65 h6	284	409	153	105	65 h6
10004	318.5	253	-	-	-	318.5	297.5	-	-	-	318.5	329	-	-	-



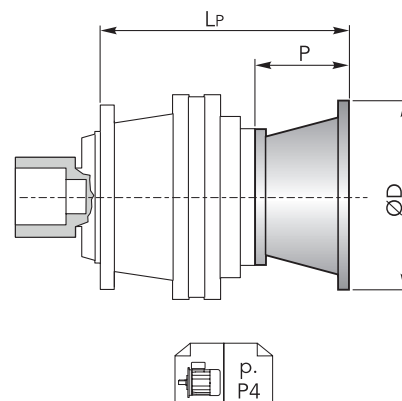
DIMENSIONI · DIMENSIONS



CHPL 10000 CFS - Flange motori IEC | IEC Motor flanges

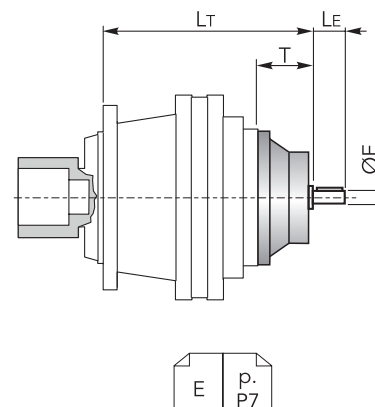
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			-			-			-		
10002	331.5			331.5			351.5			351.5			361.5		
10003	392.5	36	140	392.5	36	160	412.5	56	200	412.5	56	200	422.5	66	250
10004	440.5			440.5			460.5			460.5			470.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-			-			342	118	350	342	118	350	372	148	400	363	139	450
10002	361.5			395.5			434.5			434.5	139	350	-			-		
10003	422.5	66	250	456.5	100	300	495.5	139	350	-			-			-		
10004	470.5			504.5			543.5			-			-			-		



CHPL 10000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
10001	-				345.5	121.5	105	65 h6	377	153	105	65 h6
10002	388.5				430.5				462			
10003	449.5	93	82	42 h6	-				-			
10004	497.5				-				-			



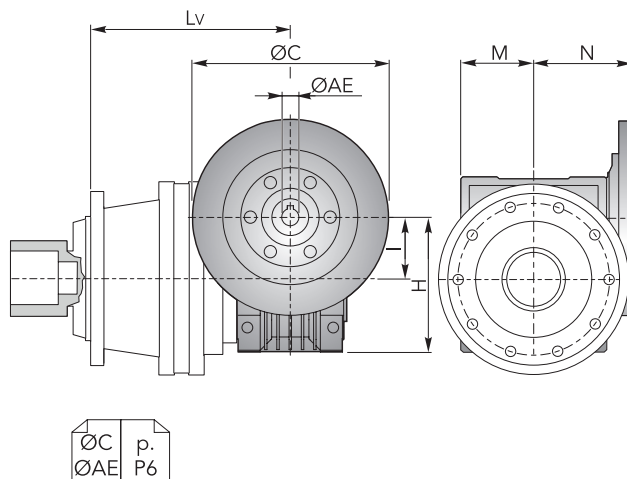


DIMENSIONI · DIMENSIONS

CHPL 10000 CFS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					-					-				
10002	421	50	110	60	80	430.5	63	135	72	95	409.5	75	161	86	112.5
10003	482					491.5					470.5				
10004	530					539.5					518.5				

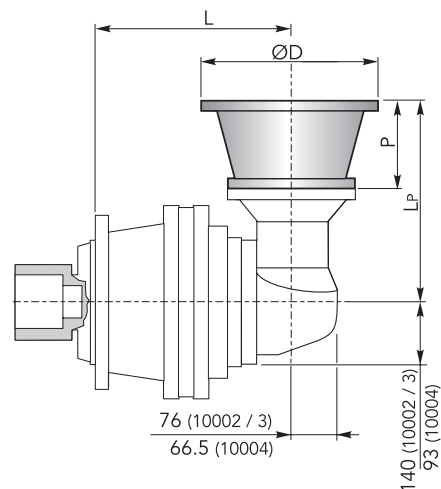
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					362	110	237.5	127.5	160	369	130	277.5	147.5	180
10002	419.5	90	193	103	129.5	447					454				
10003	480.5					-					-				
10004	528.5					-					-				



CHPLB 10000 CFS - Flange motori IEC | *IEC Motor flanges*

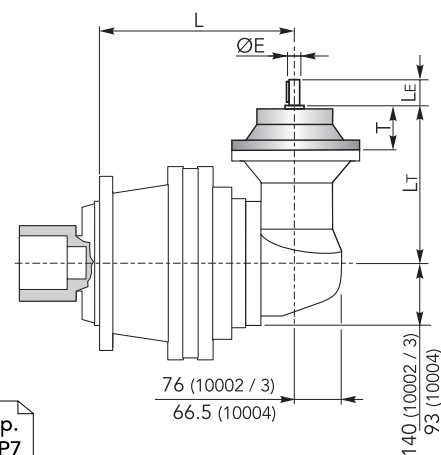
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	276	36	140	312	276	36	160	312	296	56	200	312	296	56	200
10003	397				397				397				397			
10004	431.5				431.5				431.5				431.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	312	306	66	250	312	306	66	250	312	340	100	300	312	379	139	350	312	379	139	350
10003	397				397				397				397				-			
10004	431.5				431.5				431.5				431.5				-			

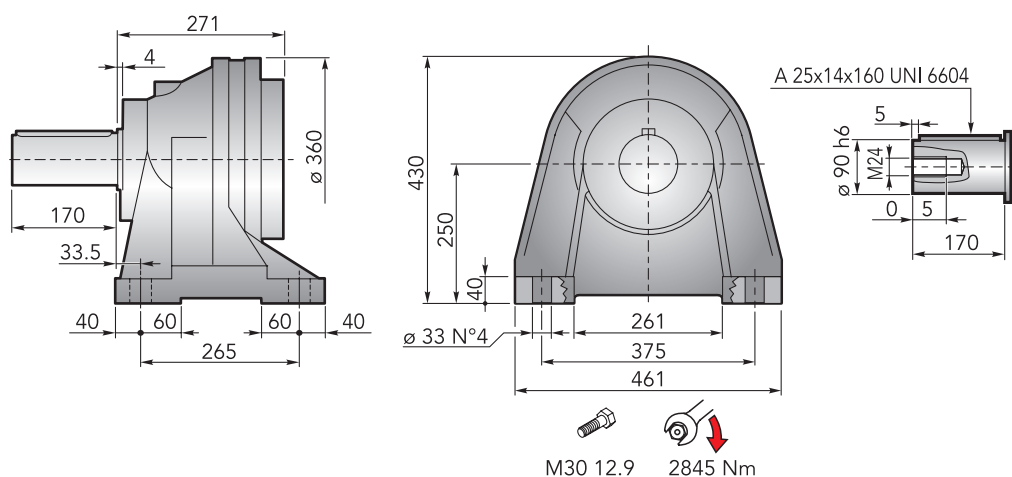


CHPLB 10000 CFS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
10002	312	333	93	82	42 h6	312	377.5	121.5	105	65 h6	312	409	153	105	65 h6
10003	397					397					397				
10004	431.5					431.5					431.5				



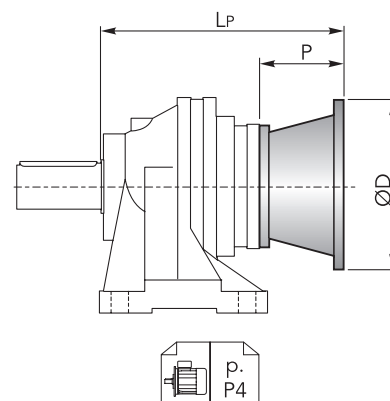
DIMENSIONI · DIMENSIONS



CHPL 10000 CCPC - Flange motori IEC | IEC Motor flanges

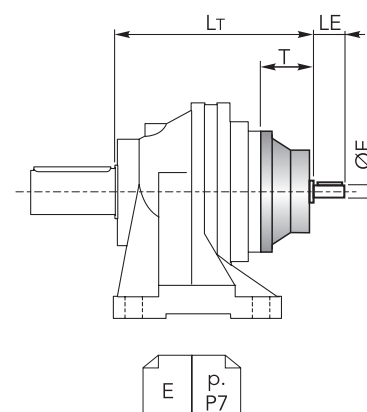
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10002	378.5	-	-	378.5	-	-	398.5	-	-	398.5	-	-	408.5	-	-
10003	439.5	36	140	439.5	36	160	459.5	56	200	459.5	56	200	469.5	66	250
10004	487.5	-	-	487.5	-	-	507.5	-	-	507.5	-	-	517.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
10001	-	-	-	-	-	-	389	118	350	389	118	350	419	148	400	410	139	450
10002	408.5	-	-	442.5	-	-	481.5	-	-	481.5	139	350	-	-	-	-	-	-
10003	469.5	66	250	503.5	100	300	542.5	139	350	-	-	-	-	-	-	-	-	-
10004	517.5	-	-	551.5	-	-	590.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 10000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
10001	-	-	-	-	392.5	121.5	105	65 h6	424	153	105	65 h6
10002	435.5	-	-	-	477.5	-	-	-	509	-	-	-
10003	496.5	93	82	42 h6	-	-	-	-	-	-	-	-
10004	544.5	-	-	-	-	-	-	-	-	-	-	-



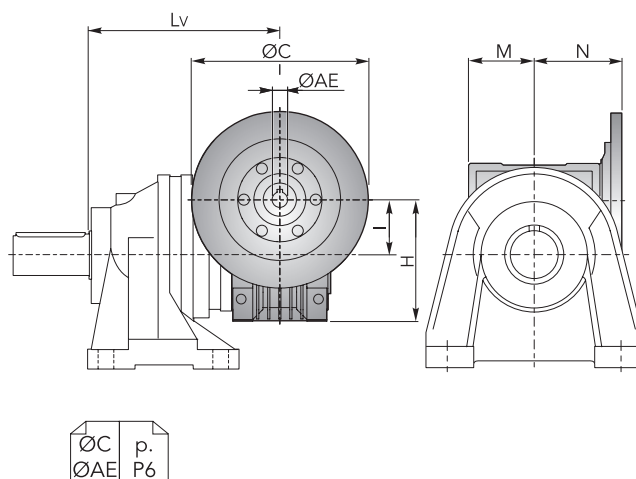


DIMENSIONI · DIMENSIONS

CHPL 10000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					-					-				
10002	468					477.5					456.5				
10003	529	50	110	60	80	538.5	63	135	72	95	517.5	75	161	86	112.5
10004	577					586.5					565.5				

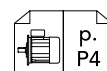
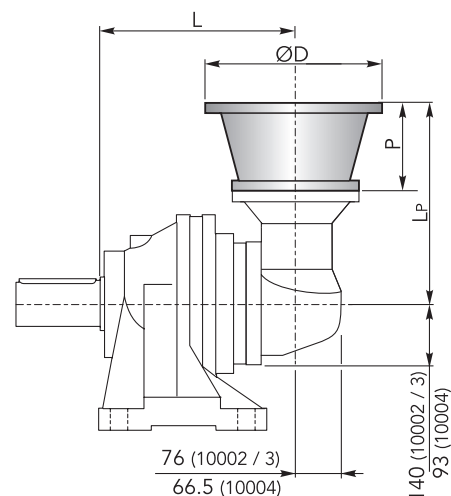
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
10001	-					409					416				
10002	466.5					494	110	237.5	127.5	160	501	130	277.5	147.5	180
10003	527.5	90	193	103	129.5	-					-				
10004	575.5					-					-				



CHPLB 10000 CCPC - Flange motori IEC | *IEC Motor flanges*

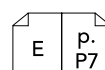
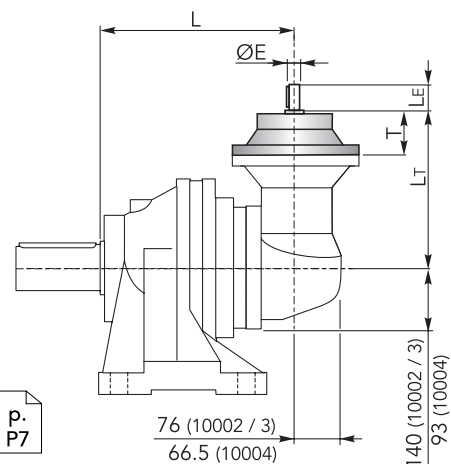
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	359				359				359				359			
10003	444	276	36	140	444	276	36	160	444	296	56	200	444	296	56	200
10004	478.5	196			478.5	196			478.5	216			478.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
10002	359				359				359				359				359	379	139	350
10003	444	306	66	250	444	306	66	250	444	340	100	300	444	379	139	350	-			
10004	478.5	226			478.5	226			478.5	260			478.5	299			-			



CHPLB 10000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
10002	359					359					359				
10003	444	333	93	82	42 h6	444	377.5	121.5	105	65 h6	444	409	153	105	65 h6
10004	478.5	253				478.5	297.5				478.5	329			

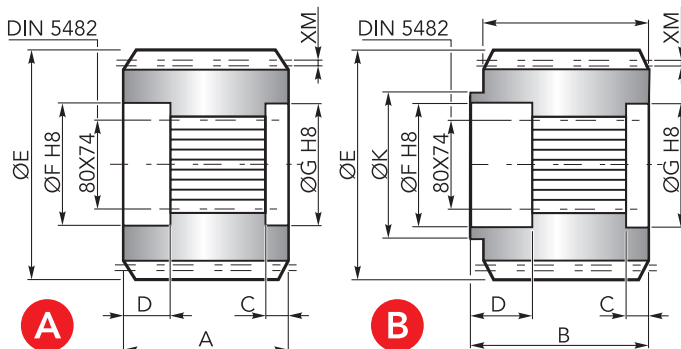


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

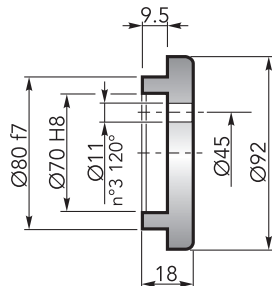


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMC	10	12	0	90	-	10	31	140	85	80	-	1071.236.042
	CMC	10	14	0	90	-	10	31	160	85	80	-	1071.238.042
B	CMC	12	14	3	90	115	25	31	194.5	85	80	130	1071.286.042

CHFF



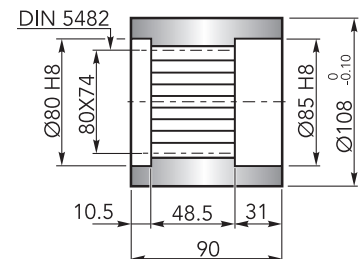
Fondello di arresto | Stop bottom plate

Codice / Code:
1075.030.000

CHBS



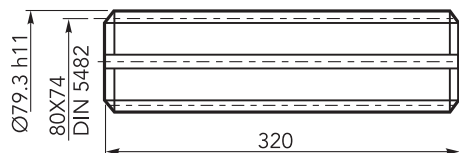
Boccola scanalata | Splined bushing

Codice / Code:
6171.103.076

CHKB



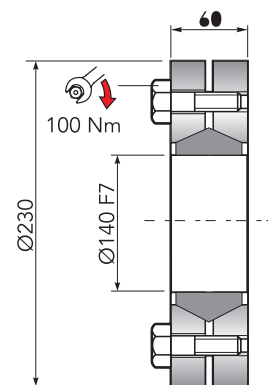
Barra scanalata | Splined rod

Codice / Code:
3071.406.042

CHGA



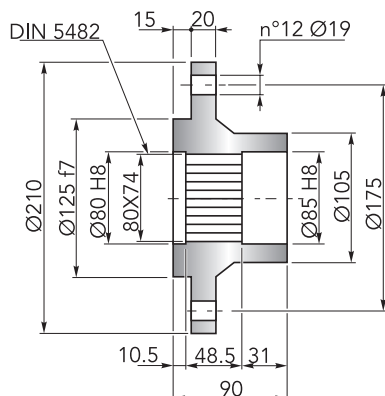
Giunto di attrito | Shrink disc

Codice / Code:
5109.140.000Coppia max: 17600 Nm⁽¹⁾
Max Torque: 17600 Nm⁽¹⁾Codice / Code:
5109.140.000

CHFL



Flangia | Flange

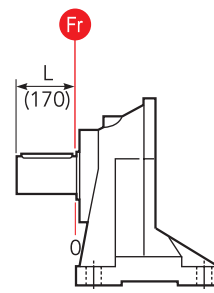
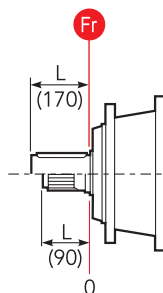
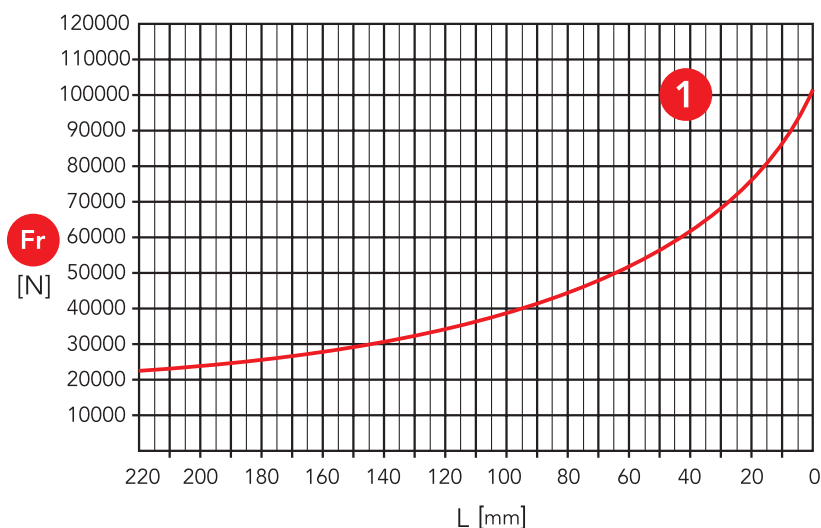
Codice / Code:
6171.105.098(1): Coppia max indicata è valida solo
con calettatori forniti da Chiaravalli S.p.A.(1): The maximum torque indicated is valid only
with shrink discs supplied by Chiaravalli S.p.A.



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



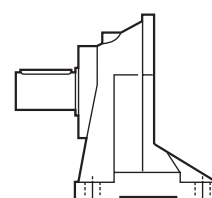
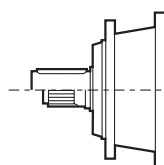
1 Uscita / Output: CMS, CMC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

Fa [N]	1	
	40000	←
	65000	→



1

1

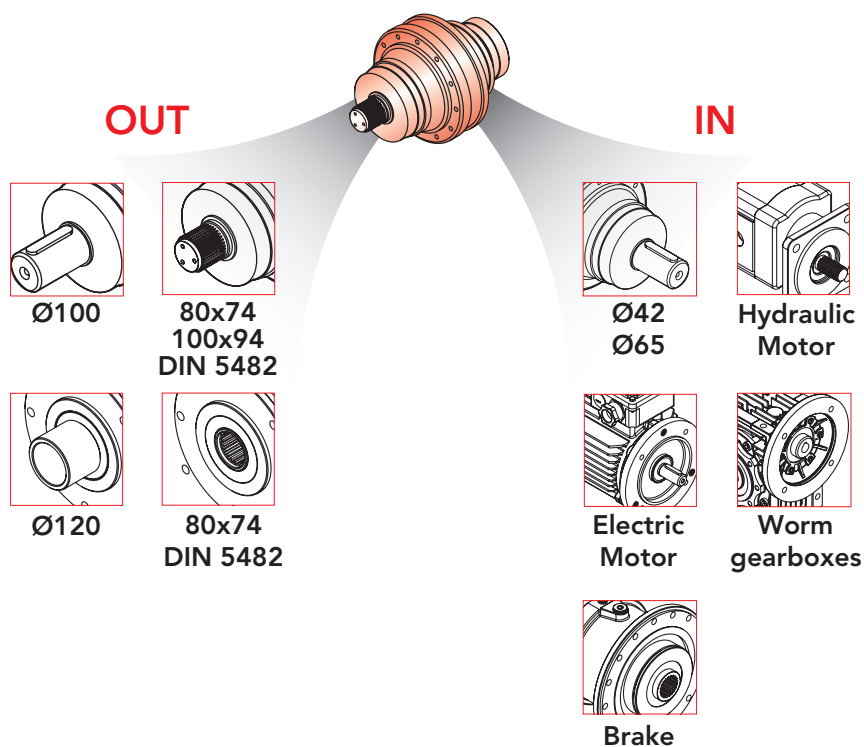
1 Uscita / Output: CMS, CMC, CCPC





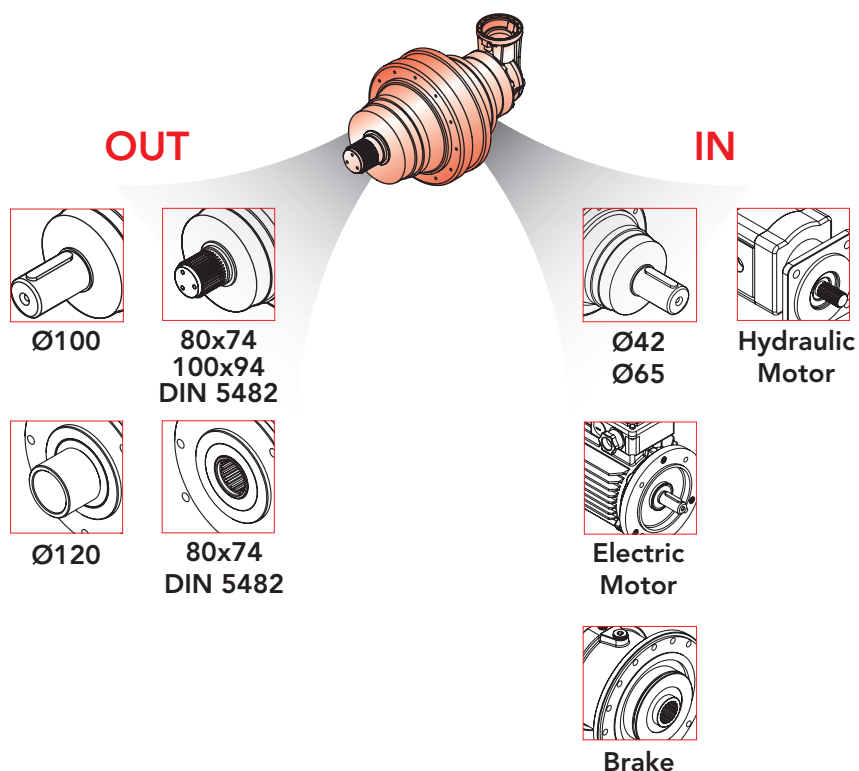
CHPL

	i	
16001	$3.56 \div 6.75$	1 reduction stage
16002	$13.4 \div 48.9$	2 reduction stages
16003	$57.6 \div 330.3$	3 reduction stages
16004	$352.0 \div 2229.7$	4 reduction stages

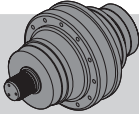
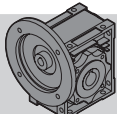
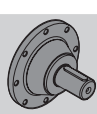


CHPLB

	i	
16002	$12.3 \div 36.7$	2 reduction stages
16003	$46.4 \div 266.4$	3 reduction stages
16004	$140.1 \div 969.0$	4 reduction stages



DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
16001	3.56	7352	312	36760	40	160 200	180 225	CHM 110 CHM 130	CM65 CP65
	4.29	6609	234	32020					
	5.6	5308	144	24500					
	6.75	4399	99	18620					
16002	13.4	9447	111	36760	23	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130	CM42 CM65 CP65
	16.2	8378	81.4	32020					
	22.1	8956	63.8	32020					
	28.9	7271	39.6	24500					
	33.6	7514	35.2	24500					
	40.5	5660	22	18620					
	48.9	6151	19.8	18620					
16003	57.6	12181	34.5	36760	15	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	62.9	12147	31.5	36760					
	75.2	12447	27	36760					
	82.1	12833	25.5	36760					
	94.9	11344	19.5	32020					
	109.3	12060	18	32020					
	118.5	8717	12	24500					
	124	12543	16.5	32020					
	129.4	9519	12	24500					
	144	9538	10.8	24500					
	155.9	9558	10	24500					
	188.2	10153	8.8	24500					
	195.3	10060	8.4	24500					
	209.7	7713	6	18620					
	226.8	10010	7.2	24500					
	235.4	8081	5.6	18620					
	274.1	10754	6.4	24500					
	330.3	8099	4	18620					
16004	352	16243	7.8	36760	11	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	388.6	16551	7.2	36760					
	421.2	17193	6.9	36760					
	440.9	14866	5.7	32020					
	459.9	17139	6.3	36760					
	507.7	18020	6	36760					
	531.4	15088	4.8	32020					
	554.4	17711	5.4	36760					
	576.1	12269	3.6	24500					
	612	16299	4.5	32020					
	640.5	15913	4.2	32020					
	724.4	12257	2.86	24500					
	806.4	12593	2.64	24500					
	907.3	12990	2.42	24500					
	1008.9	17069	2.86	32020					
	1093.7	13523	2.09	24500					
	1270.1	14050	1.87	24500					
	1503.9	14942	1.65	24500					
	1849.8	14445	1.32	24500					
	2229.7	11608	0.88	18620					

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA

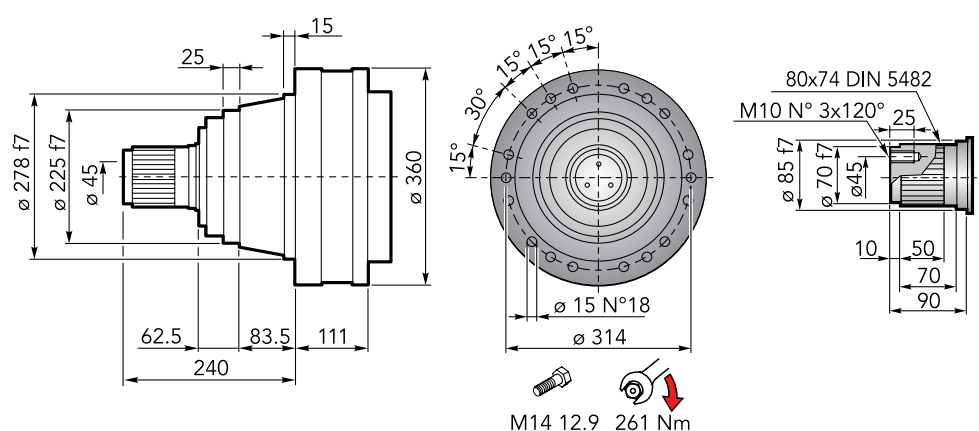
CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		CM/CP
16002	12.3	9142	117	36760	23	63	71	CM42 CM65 CP65
	14.8	8462	90	32020		80	90	
	19.3	6621	54	24500		100	112	
	23.3	5328	36	18620		132	160	
	30.5	7265	37.5	24500		180		
	36.7	5945	25.5	18620				
16003	46.4	11945	42	36760	15	63 80 100 132	71 90 112 160	CM42 CM65 CP65
	50.7	12121	39	36760				
	61.1	10675	28.5	32020				
	76.5	11255	24	32020				
	88.8	11431	21	32020				
	96.2	11500	19.5	32020				
	116.1	9003	12.65	24500				
	120.6	12198	16.5	32020				
	125.8	9331	12.1	24500				
	140	12272	14.3	32020				
	157.5	9558	9.9	24500				
	182.9	9866	8.8	24500				
	221	10432	7.7	24500				
	266.4	8084	4.95	18620				
16004	140.1	16162	19.5	36760	11	63 80 100 132	71 90 112 160	CM42 CM65 CP65
	168.9	16485	16.5	36760				
	184.4	14726	13.5	32020				
	203.5	14445	12	32020				
	230.9	15366	11.25	32020				
	240.9	11757	8.25	24500				
	290.4	15461	9	32020				
	301.8	12051	6.75	24500				
	320.6	15647	8.25	32020				
	347.5	12662	6.16	24500				
	379.5	12348	5.5	24500				
	418.9	12540	5.06	24500				
	457.4	13097	4.84	24500				
	510.4	13284	4.4	24500				
	551.9	13646	4.18	24500				
	665.3	13853	3.52	24500				
	803.9	14647	3.08	24500				
	969	11349	1.98	18620				

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

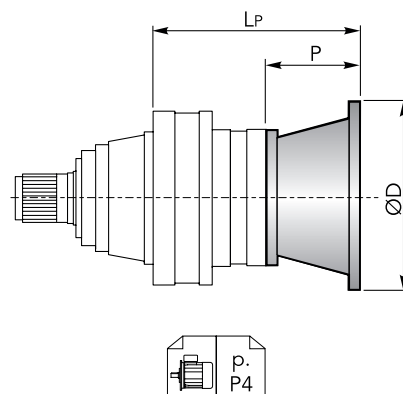
DIMENSIONI · DIMENSIONS

Accessori
Accessories

CHPL 16000 CMS - Flange motori IEC | IEC Motor flanges

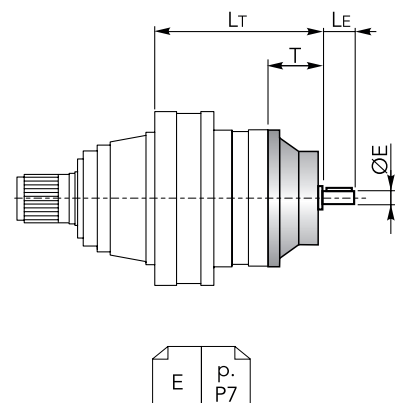
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-			-			-			-			-		
16002	248.5			248.5			268.5			268.5			278.5		
16003	309.5	36	140	309.5	36	160	329.5	56	200	329.5	56	200	339.5	66	250
16004	357.5			357.5			377.5			377.5			387.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-			-			259	118	350	259	118	350	289	148	400	280	139	450
16002	278.5			312.5			351.5			351.5	139	350	-			-		
16003	339.5	66	250	373.5	100	300	412.5	139	350	-			-			-		
16004	387.5			421.5			460.5			-			-			-		



CHPL 16000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-				262.5	121.5	105	65 h6	294	153	105	65 h6
16002	305.5				347.5				379			
16003	366.5	93	82	42 h6	-				-			
16004	414.5				-				-			



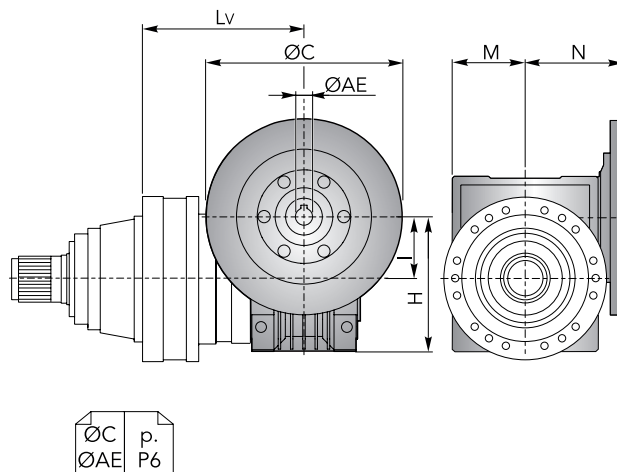


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CHPL 16000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	338					347.5					326.5				
16003	399	50	110	60	80	408.5	63	135	72	95	387.5	75	161	86	112.5
16004	447					456.5					435.5				

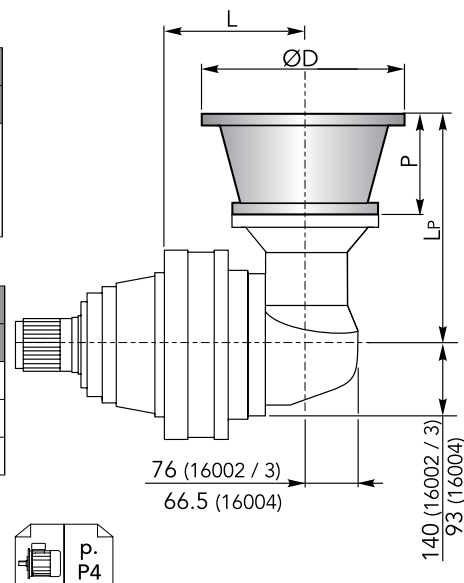
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					279					286				
16002	336.5					364	110	237.5	127.5	160	371	130	277.5	147.5	180
16003	397.5	90	193	103	129.5	-					-				
16004	445.5					-					-				



CHPLB 16000 CMS - Flange motori IEC | *IEC Motor flanges*

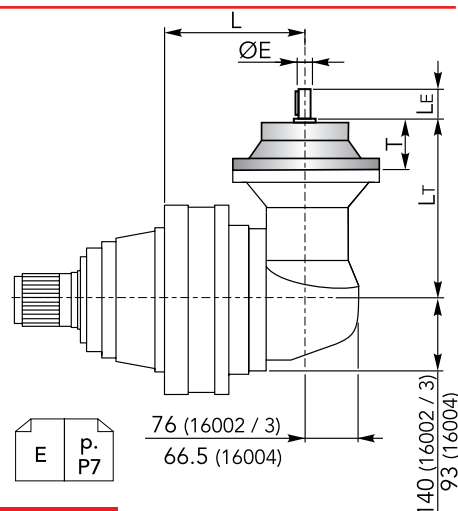
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	276	36	140	229	276	36	160	229	296	56	200	229	296	56	200
16003	314				314				314				314			
16004	348.5	196			348.5	196			348.5	216			348.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	306	66	250	229	306	66	250	229	340	100	300	229	379	139	350	229	379	139	350
16003	314				314				314				314				-			
16004	348.5	226			348.5	226			348.5	260			348.5	299			-			

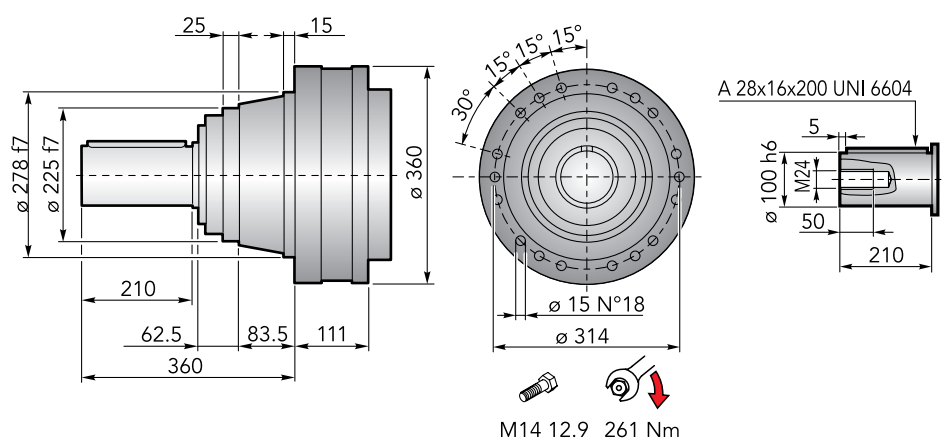


CHPLB 16000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	229	333	93	82	42 h6	229	377.5	121.5	105	65 h6	229	409	153	105	65 h6
16003	314					314					314				
16004	348.5	253				348.5	297.5				348.5	329			



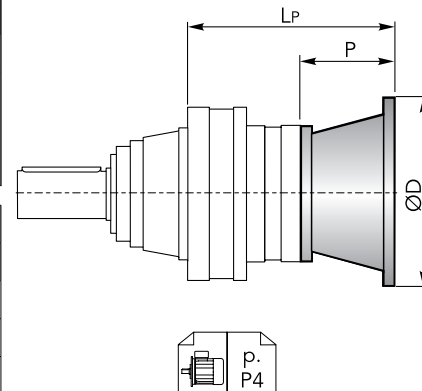
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CHPL 16000 CMC - Flange motori IEC | IEC Motor flanges

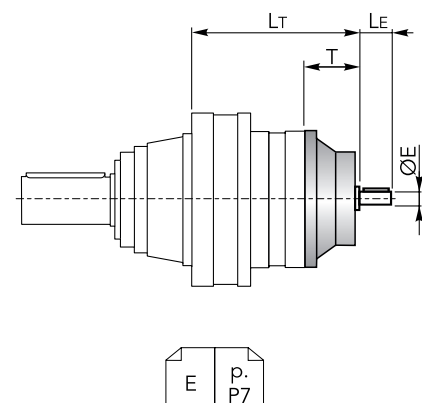
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16002	248.5	-	-	248.5	-	-	268.5	-	-	268.5	-	-	278.5	-	-
16003	309.5	36	140	309.5	36	160	329.5	56	200	329.5	56	200	339.5	66	250
16004	357.5	-	-	357.5	-	-	377.5	-	-	377.5	-	-	387.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	259	118	350	259	118	350	289	148	400	280	139	450
16002	278.5	-	-	312.5	-	-	351.5	-	-	351.5	139	350	-	-	-	-	-	-
16003	339.5	66	250	373.5	100	300	412.5	139	350	-	-	-	-	-	-	-	-	-
16004	387.5	-	-	421.5	-	-	460.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 16000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-	-	-	-	262.5	121.5	105	65 h6	294	153	105	65 h6
16002	305.5	-	-	-	347.5	-	-	-	379	-	-	-
16003	366.5	93	82	42 h6	-	-	-	-	-	-	-	-
16004	414.5	-	-	-	-	-	-	-	-	-	-	-



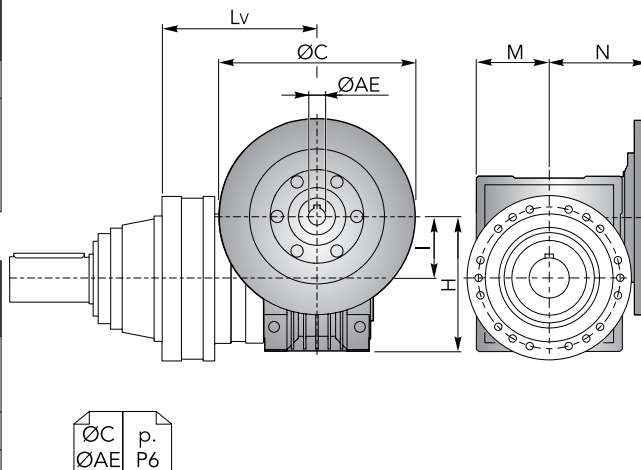


DIMENSIONI · DIMENSIONS

CHPL 16000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	338					347.5					326.5				
16003	399	50	110	60	80	408.5	63	135	72	95	387.5	75	161	86	112.5
16004	447					456.5					435.5				

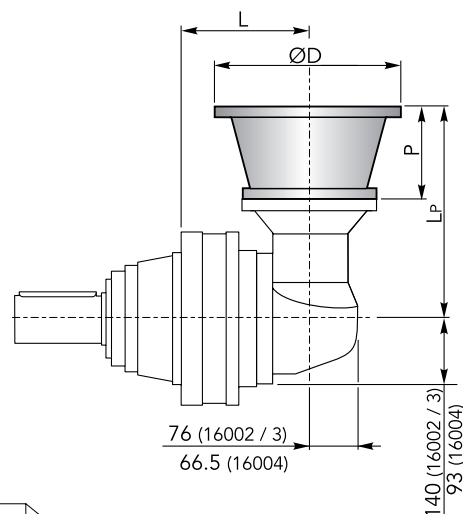
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					279					286				
16002	336.5					364	110	237.5	127.5	160	371	130	277.5	147.5	180
16003	397.5	90	193	103	129.5	-					-				
16004	445.5					-					-				



CHPLB 16000 CMC - Flange motori IEC | *IEC Motor flanges*

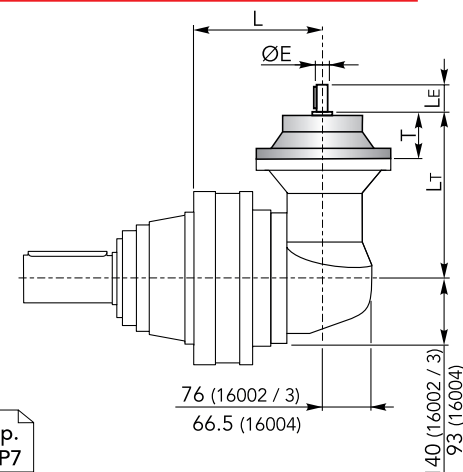
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	276	36	140	229	276	36	160	229	296	56	200	229	296	56	200
16003	314				314				314				314			
16004	348.5	196			348.5	196			348.5	216			348.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	306	66	250	229	306	66	250	229	340	100	300	229	379	139	350	229	379	139	350
16003	314				314				314				314				-	-	-	-
16004	348.5	226			348.5	226			348.5	260			348.5	299			-	-	-	-

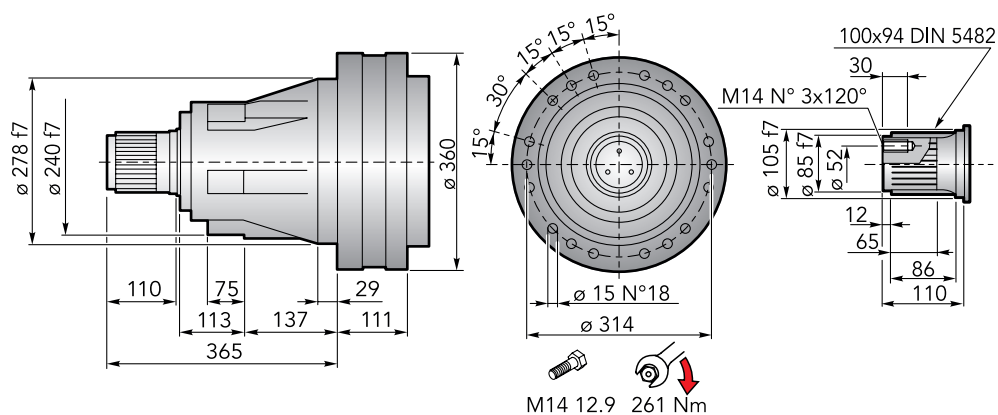
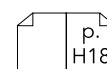


CHPLB 16000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	229	333	93	82	42 h6	229	377.5	121.5	105	65 h6	229	409	153	105	65 h6
16003	314					314					314				
16004	348.5	253				348.5	297.5				348.5	329			



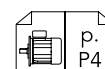
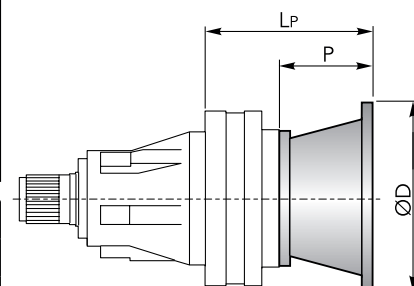
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CHPL 16000 CPS - Flange motori IEC | IEC Motor flanges

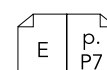
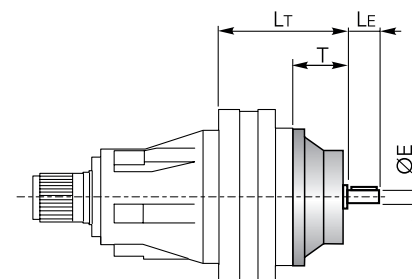
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16002	248.5	-	-	248.5	-	-	268.5	-	-	268.5	-	-	278.5	-	-
16003	309.5	36	140	309.5	36	160	329.5	56	200	329.5	56	200	339.5	66	250
16004	357.5	-	-	357.5	-	-	377.5	-	-	377.5	-	-	387.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	259	118	350	259	118	350	289	148	400	280	139	450
16002	278.5	-	-	312.5	-	-	351.5	-	-	351.5	139	350	-	-	-	-	-	-
16003	339.5	66	250	373.5	100	300	412.5	139	350	-	-	-	-	-	-	-	-	-
16004	387.5	-	-	421.5	-	-	460.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 16000 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-	-	-	-	262.5	121.5	105	65 h6	294	153	105	65 h6
16002	305.5	-	-	-	347.5	-	-	-	379	-	-	-
16003	366.5	93	82	42 h6	-	-	-	-	-	-	-	-
16004	414.5	-	-	-	-	-	-	-	-	-	-	-



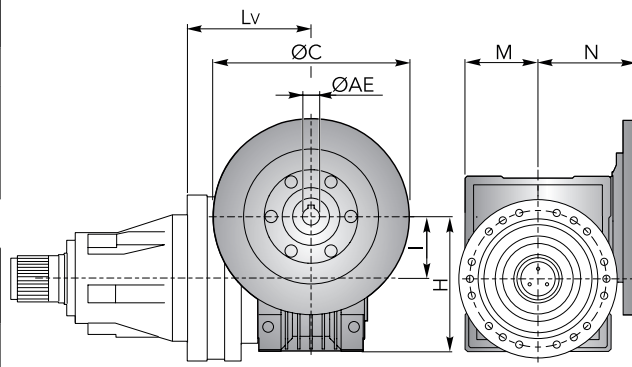


DIMENSIONI · DIMENSIONS

CHPL 16000 CPS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	338					347.5					326.5				
16003	399	50	110	60	80	408.5	63	135	72	95	387.5	75	161	86	112.5
16004	447					456.5					435.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					279					286				
16002	336.5					364	110	237.5	127.5	160	371	130	277.5	147.5	180
16003	397.5	90	193	103	129.5	-					-				
16004	445.5					-					-				

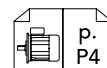
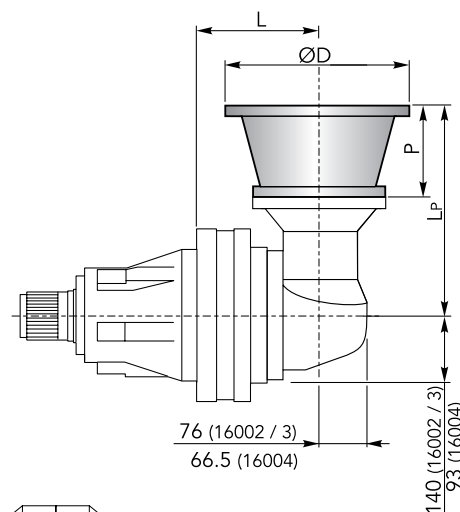


CHPL / CHPLB 16000 CPS

CHPLB 16000 CPS - Flange motori IEC | *IEC Motor flanges*

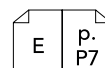
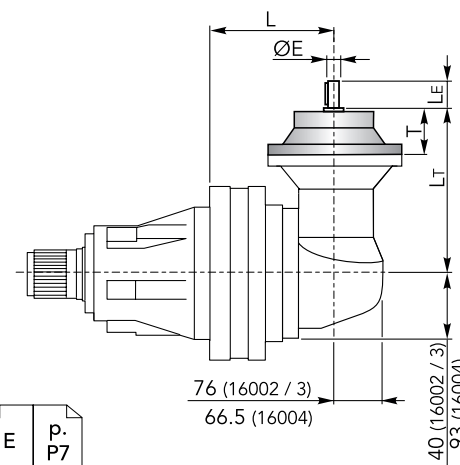
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	276	36	140	229	276	36	160	229	296	56	200	229	296	56	200
16003	314				314				314				314			
16004	348.5	196			348.5	196			348.5	216			348.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	306	66	250	229	306	66	250	229	340	100	300	229	379	139	350	229	379	139	350
16003	314				314				314				314				-			
16004	348.5	226			348.5	226			348.5	260			348.5	299			-			

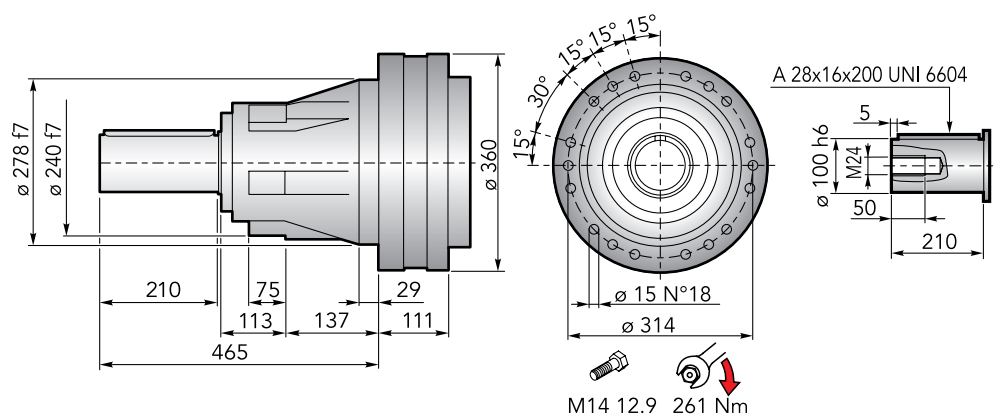


CHPLB 16000 CPS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	229	333	93	82	42 h6	229	377.5	121.5	105	65 h6	229	409	153	105	65 h6
16003	314					314					314				
16004	348.5	253				348.5	297.5				348.5	329			



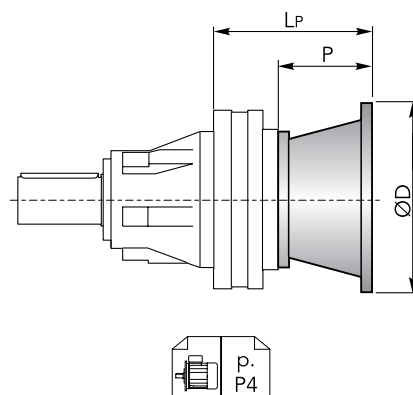
DIMENSIONI · DIMENSIONS



CHPL 16000 CPC - Flange motori IEC | IEC Motor flanges

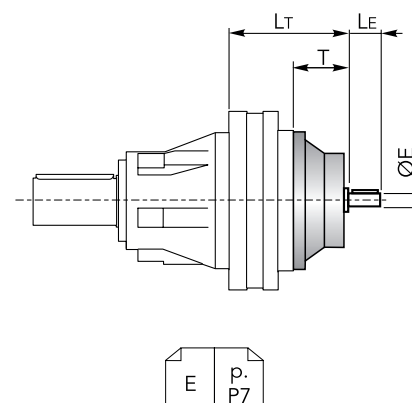
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-			-			-			-			-		
16002	248.5	36	140	248.5	36	160	268.5	56	200	268.5	56	200	278.5	66	250
16003	309.5			309.5			329.5			329.5			339.5		
16004	357.5			357.5			377.5			377.5			387.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-			-			259	118	350	259	118	350	289	148	400	280	139	450
16002	278.5	66	250	312.5	100	300	351.5	139	350	351.5	139	350	-	-	-	-	-	-
16003	339.5			373.5			412.5			-	-	-	-	-	-	-	-	-
16004	387.5			421.5			460.5			-	-	-	-	-	-	-	-	-



CHPL 16000 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-				262.5	121.5	105	65 h6	294	153	105	65 h6
16002	305.5	93	82	42 h6	347.5	-		-	379	-		-
16003	366.5				-				-			
16004	414.5				-				-			



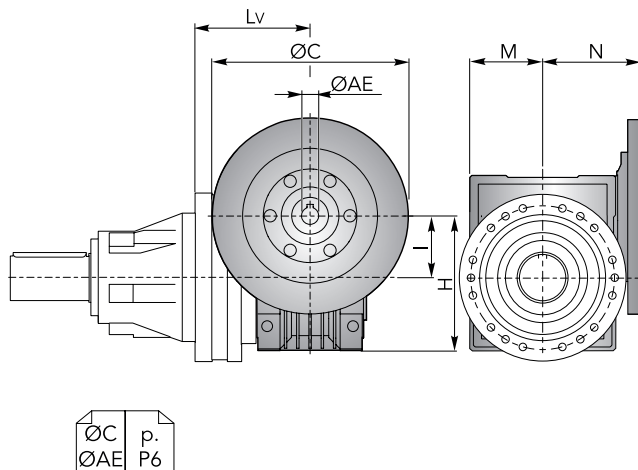


DIMENSIONI · DIMENSIONS

CHPL 16000 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	338					347.5					326.5				
16003	399	50	110	60	80	408.5	63	135	72	95	387.5	75	161	86	112.5
16004	447					456.5					435.5				

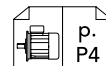
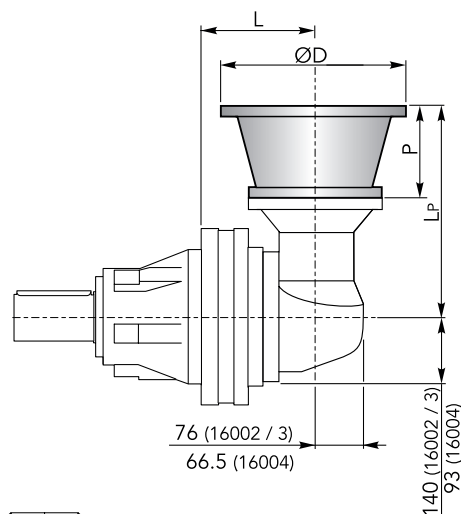
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					279					286				
16002	336.5					364	110	237.5	127.5	160	371	130	277.5	147.5	180
16003	397.5	90	193	103	129.5	-					-				
16004	445.5					-					-				



CHPLB 16000 CPC - Flange motori IEC | *IEC Motor flanges*

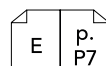
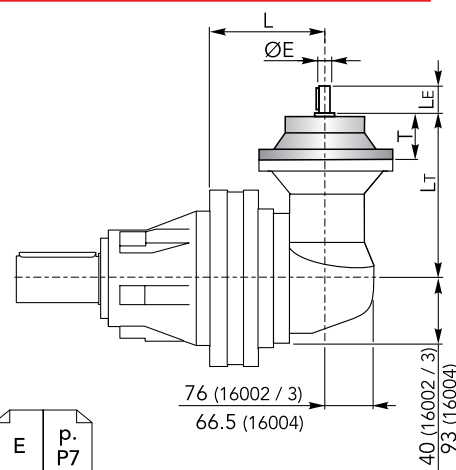
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	276	36	140	229	276	36	160	229	296	56	200	229	296	56	200
16003	314				314				314				314			
16004	348.5	196			348.5	196			348.5	216			348.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	229	306	66	250	229	306	66	250	229	340	100	300	229	379	139	350	229	379	139	350
16003	314				314				314				314				-	-	-	-
16004	348.5	226			348.5	226			348.5	260			348.5	299			-	-	-	-

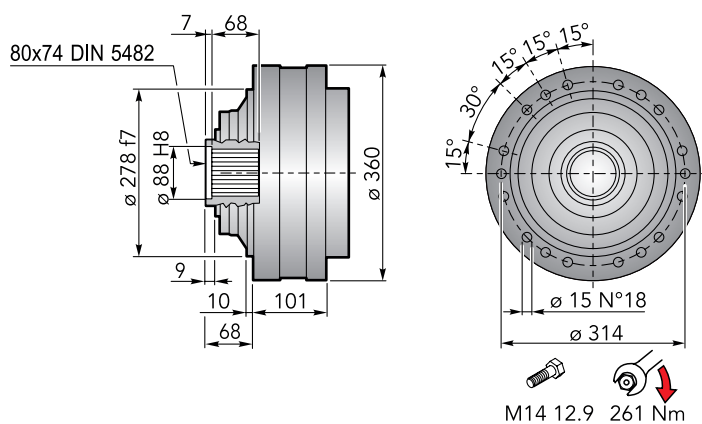


CHPLB 16000 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	229	333	93	82	42 h6	229	377.5	121.5	105	65 h6	229	409	153	105	65 h6
16003	314					314					314				
16004	348.5	253				348.5	297.5				348.5	329			



DIMENSIONI · DIMENSIONS



Accessori
Accessories

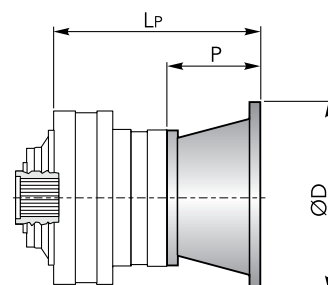
CHKB

p.
H18

CHPL 16000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
16001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16002	238.5	-	-	238.5	-	-	258.5	-	-	258.5	-	-	268.5	-	-
16003	299.5	36	140	299.5	36	160	319.5	56	200	319.5	56	200	329.5	66	250
16004	347.5	-	-	347.5	-	-	367.5	-	-	367.5	-	-	377.5	-	-

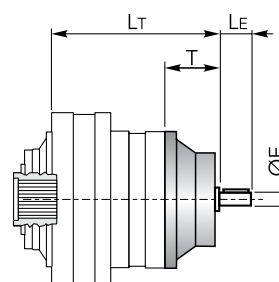
CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
16001	-	-	-	-	-	-	249	118	350	249	118	350	279	148	400	270	139	450
16002	268.5	-	-	302.5	-	-	341.5	-	-	341.5	139	350	-	-	-	-	-	-
16003	329.5	66	250	363.5	100	300	402.5	139	350	-	-	-	-	-	-	-	-	-
16004	377.5	-	-	411.5	-	-	450.5	-	-	-	-	-	-	-	-	-	-	-



p.
P4

CHPL 16000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
16001	-	-	-	-	252.5	121.5	105	65 h6	284	153	105	65 h6
16002	295.5	-	-	-	337.5	-	-	-	369	-	-	-
16003	356.5	93	82	42 h6	-	-	-	-	-	-	-	-
16004	404.5	-	-	-	-	-	-	-	-	-	-	-



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p.
P7

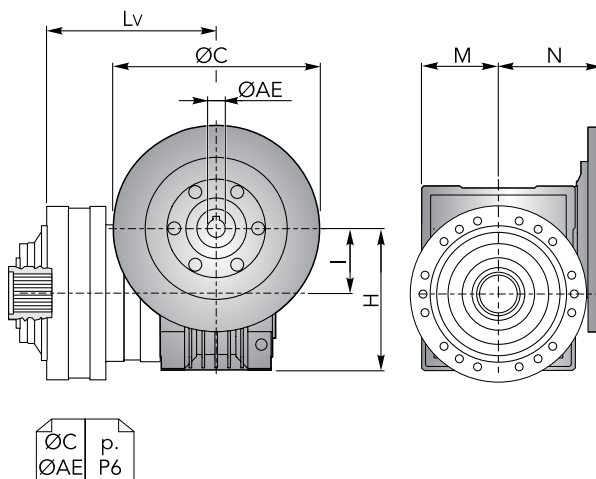


DIMENSIONI · DIMENSIONS

CHPL 16000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	328					337.5					316.5				
16003	389	50	110	60	80	398.5	63	135	72	95	377.5	75	161	86	112.5
16004	437					446.5					425.5				

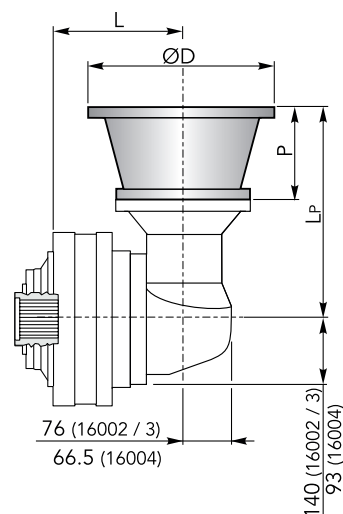
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					269					276				
16002	326.5					354	110	237.5	127.5	160	361	130	277.5	147.5	180
16003	387.5	90	193	103	129.5	-					-				
16004	435.5					-					-				



CHPLB 16000 CF - Flange motori IEC | *IEC Motor flanges*

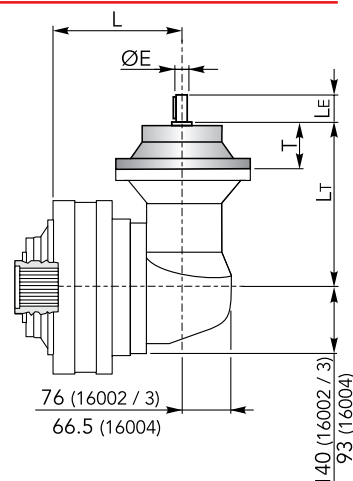
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	219				219				219				219			
16003	304	276	36	140	304	276	36	160	304	296	56	200	304	296	56	200
16004	338.5	196			338.5	196			338.5	216			338.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	219				219				219				219				219	379	139	350
16003	304	306	66	250	304	306	66	250	304	340	100	300	304	379	139	350	-			
16004	338.5	226			338.5	226			338.5	260			338.5	299			-			



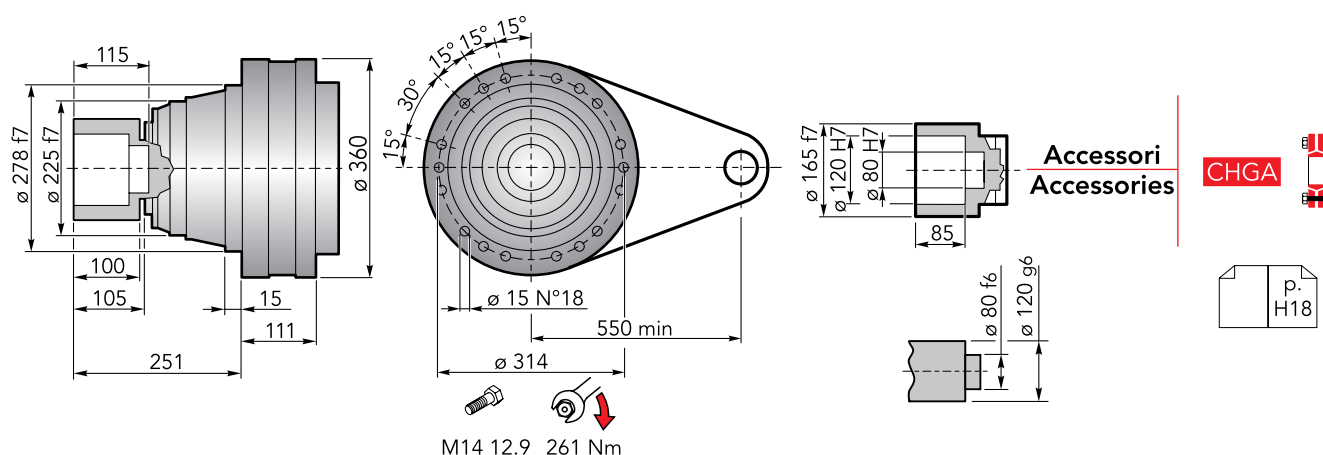
CHPLB 16000 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	219					219					219				
16003	304	333	93	82	42 h6	304	377.5	121.5	105	65 h6	304	409	153	105	65 h6
16004	338.5	253				338.5	297.5				338.5	329			



CHPL / CHPLB 16000 CFS

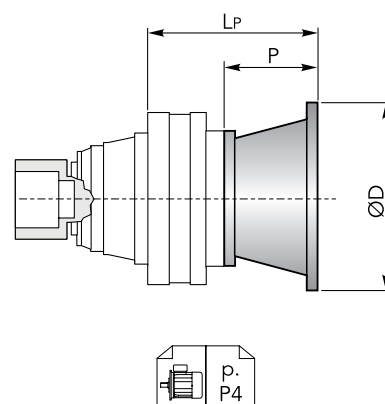
DIMENSIONI · DIMENSIONS



CHPL 16000 CFS - Flange motori IEC | IEC Motor flanges

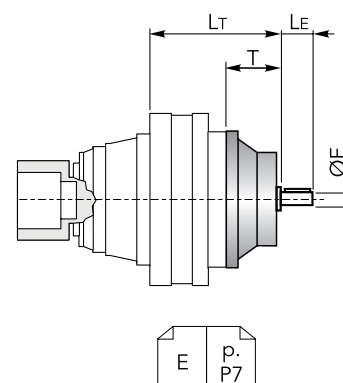
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
16001	-			-			-			-			-		
16002	248.5	36	140	248.5	36	160	268.5	56	200	268.5	56	200	278.5	66	250
16003	309.5			309.5			329.5			329.5			339.5		
16004	357.5			357.5			377.5			377.5			387.5		

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-			-			259	118	350	259	118	350	289	148	400	280	139	450
16002	278.5	66	250	312.5	100	300	351.5	139	350	351.5	139	350	-			-		
16003	339.5			373.5			412.5			-			-			-		
16004	387.5			421.5			460.5			-			-			-		



CHPL 16000 CFS - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-				262.5	121.5	105	65 h6	294	153	105	65 h6
16002	305.5	93	82	42 h6	347.5				379			
16003	366.5				-	-						
16004	414.5				-	-						



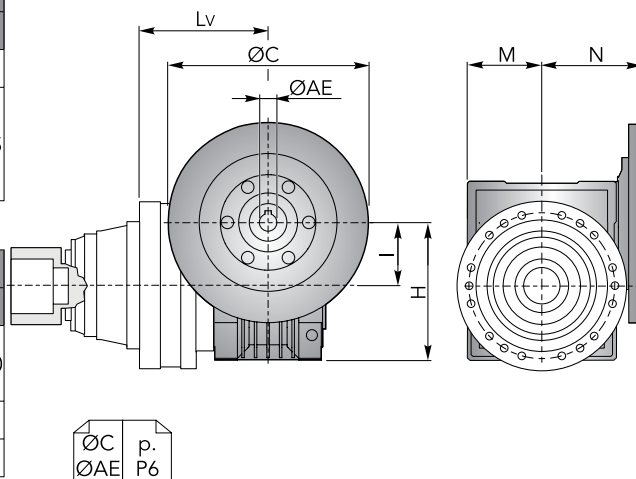


DIMENSIONI · DIMENSIONS

CHPL 16000 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	338					347.5					326.5				
16003	399	50	110	60	80	408.5	63	135	72	95	387.5	75	161	86	112.5
16004	447					456.5					435.5				

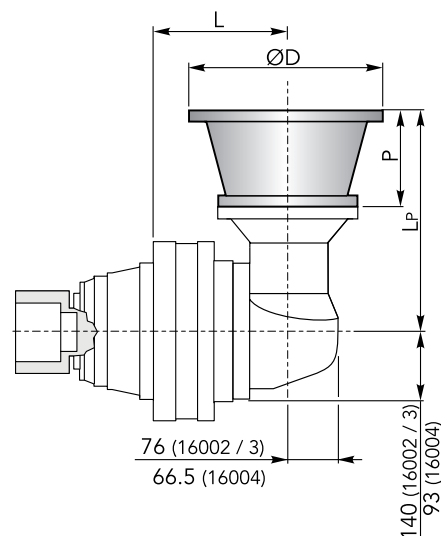
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					279					286				
16002	336.5					364	110	237.5	127.5	160	371	130	277.5	147.5	180
16003	397.5	90	193	103	129.5	-					-				
16004	445.5					-					-				



CHPLB 16000 CFS - Flange motori IEC | IEC Motor flanges

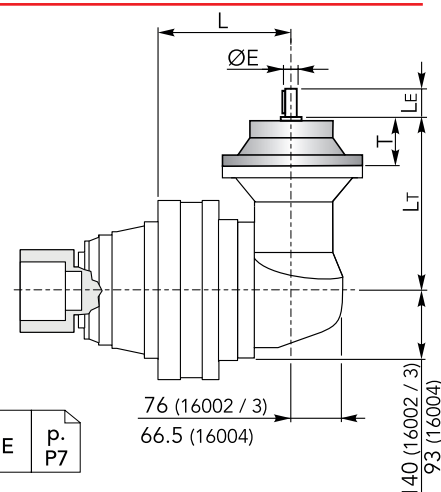
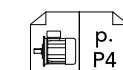
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
16002	229	276	36	140	229	276	36	160	229	296	56	200	229	296	56	200
16003	314				314				314				314			
16004	348.5	196			348.5	196			348.5	216			348.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
16002	229	306	66	250	229	306	66	250	229	340	100	300	229	379	139	350	229	379	139	350
16003	314				314				314				314				-	-	-	-
16004	348.5	226			348.5	226			348.5	260			348.5	299			-	-	-	-

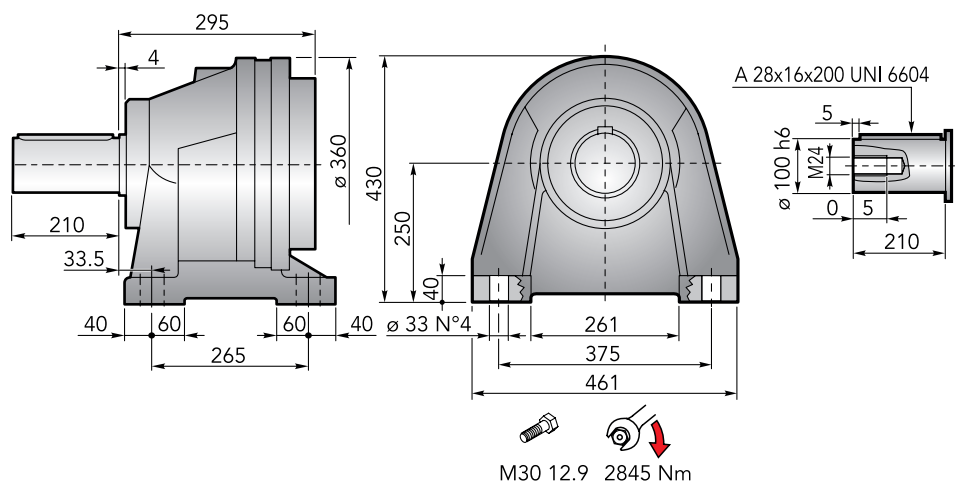


CHPLB 16000 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
16002	229	333	93	82	42 h6	229	377.5	121.5	105	65 h6	229	409	153	105	65 h6
16003	314					314					314				
16004	348.5	253				348.5	297.5				348.5	329			



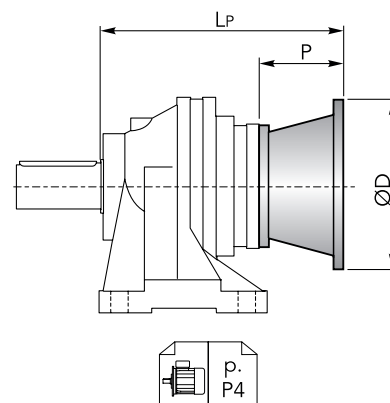
DIMENSIONI · DIMENSIONS



CHPL 16000 CCPC - Flange motori IEC | IEC Motor flanges

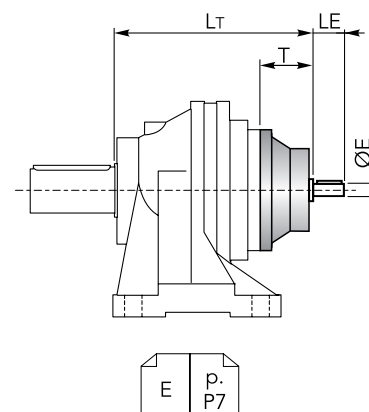
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16002	352.5	-	-	352.5	-	-	372.5	-	-	372.5	-	-	382.5	-	-
16003	463.5	36	140	463.5	36	160	483.5	56	200	483.5	56	200	493.5	66	250
16004	511.5	-	-	511.5	-	-	531.5	-	-	531.5	-	-	541.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200			IEC 225		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
16001	-	-	-	-	-	-	413	118	350	413	118	350	443	148	400	434	139	450
16002	382.5	-	-	416.5	-	-	455.5	-	-	455.5	139	350	-	-	-	-	-	-
16003	493.5	66	250	527.5	100	300	566.5	139	350	-	-	-	-	-	-	-	-	-
16004	541.5	-	-	575.5	-	-	614.5	-	-	-	-	-	-	-	-	-	-	-



CHPL 16000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
16001	-	-	-	-	416.5	121.5	105	65 h6	448	153	105	65 h6
16002	409.5	-	-	-	451.5	-	-	-	483	-	-	-
16003	520.5	93	82	42 h6	-	-	-	-	-	-	-	-
16004	568.5	-	-	-	-	-	-	-	-	-	-	-



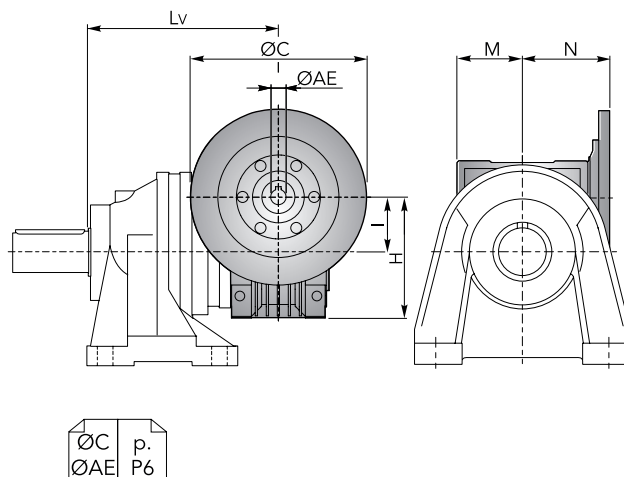


DIMENSIONI · DIMENSIONS

CHPL 16000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					-					-				
16002	442					451.5					430.5				
16003	553	50	110	60	80	562.5	63	135	72	95	541.5	75	161	86	112.5
16004	601					610.5					589.5				

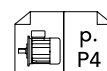
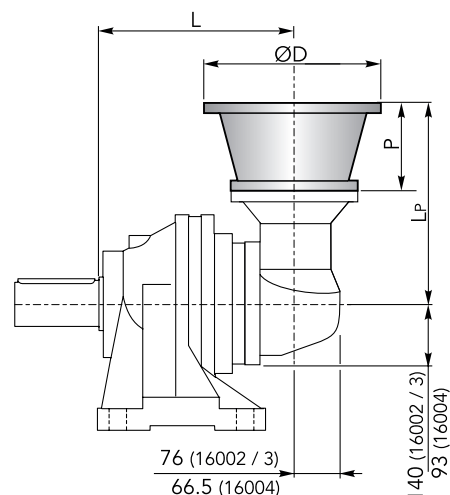
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
16001	-					433					440				
16002	440.5					468	110	237.5	127.5	160	475	130	277.5	147.5	180
16003	551.5	90	193	103	129.5	-					-				
16004	599.5					-					-				



CHPLB 16000 CCPC - Flange motori IEC | *IEC Motor flanges*

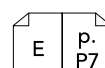
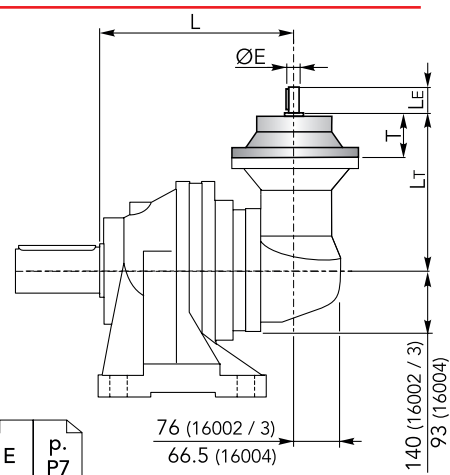
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	383				383				383				383			
16003	468	276	36	140	468	276	36	160	468	296	56	200	468	296	56	200
16004	502.5	196			502.5	196			502.5	216			502.5	216		

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
16002	383				383				383				383				383	379	139	350
16003	468	306	66	250	468	306	66	250	468	340	100	300	468	379	139	350	-			
16004	502.5	226			502.5	226			502.5	260			502.5	299			-			



CHPLB 16000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
16002	383					383					383				
16003	468	333	93	82	42 h6	468	377.5	121.5	105	65 h6	468	409	153	105	65 h6
16004	502.5	253				502.5	297.5				502.5	329			

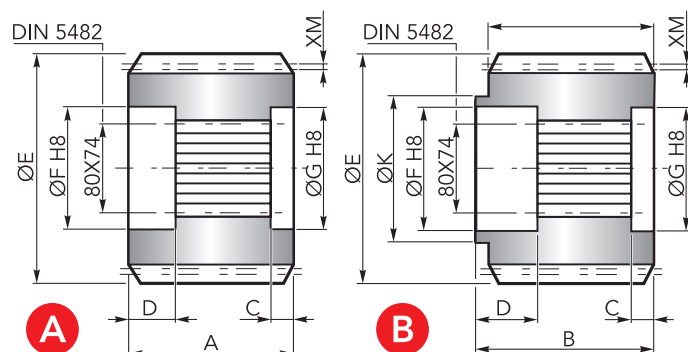


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

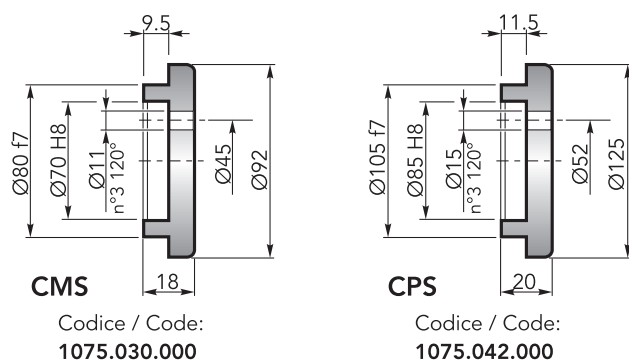


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS	10	12	0	90	-	10	31	140	85	80	-	1071.236.042
	CMS	10	14	0	90	-	10	31	160	85	80	-	1071.238.042
	CPS	14	13	7	122	-	24	33	224	105	105	-	1071.293.042
B	CMS	12	14	3	90	115	25	31	194.5	85	80	130	1071.286.042

CHFF



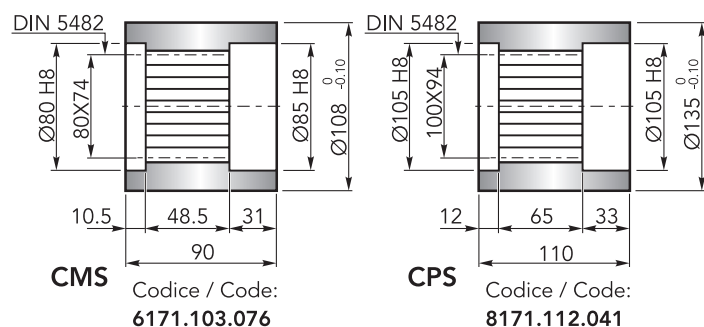
Fondello di arresto | Stop bottom plate



CHBS



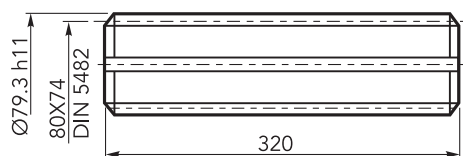
Boccola scanalata | Splined bushing



CHKB



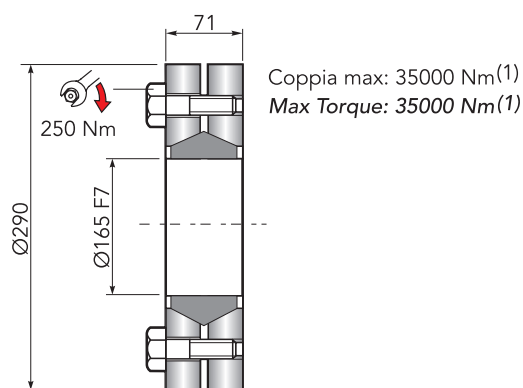
Barra scanalata | Splined rod

Codice / Code:
3071.406.042

CHGA



Giunto di attrito | Shrink disc

Codice / Code:
5109.165.000

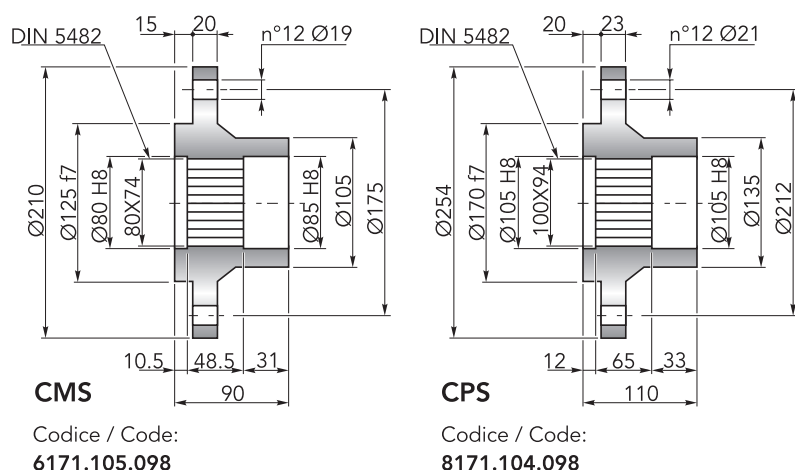
(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

CHFL



Flangia | Flange

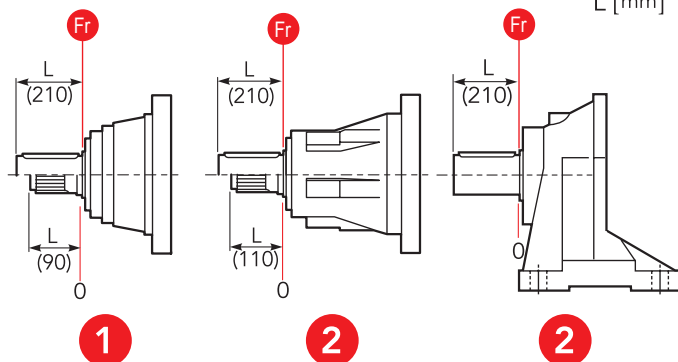
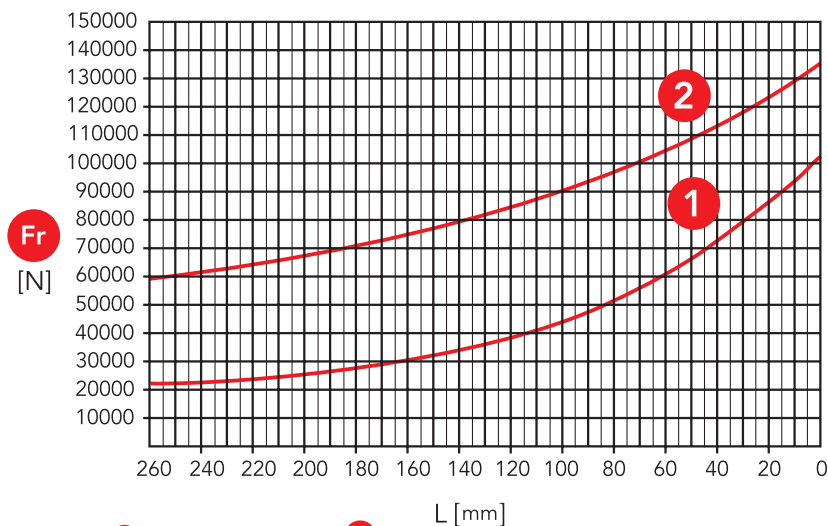




CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



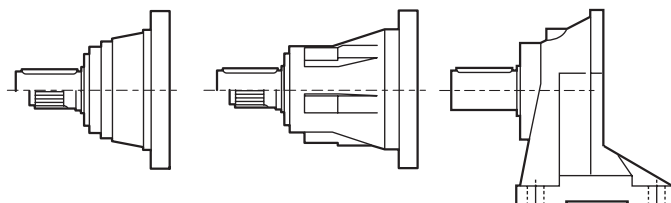
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

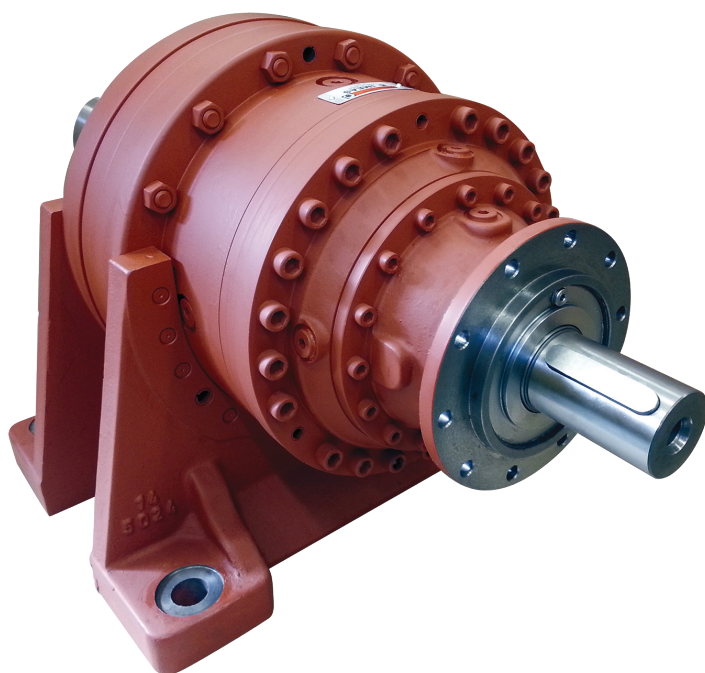
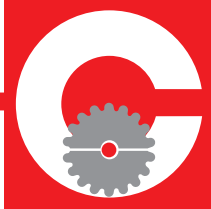
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa	45000	85000	←
[N]	65000	85000	→



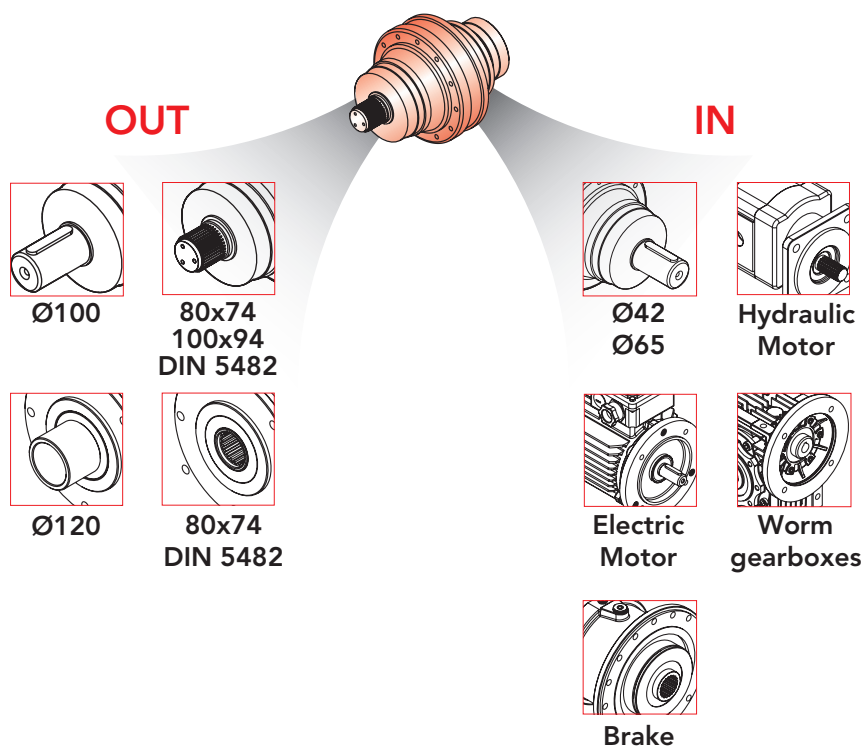
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CPS, CPC, CCPC





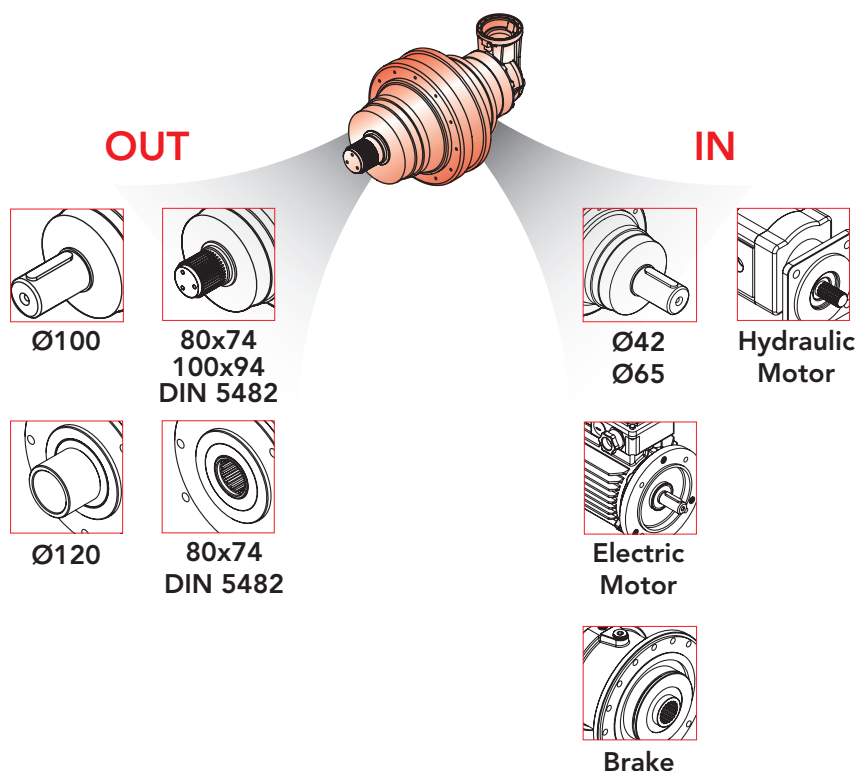
CHPL

	i	
18002	13.0 ÷ 30.0	2 reduction stages
18003	53.8 ÷ 180.2	3 reduction stages
18004	348.6 ÷ 1216.4	4 reduction stages

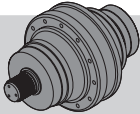
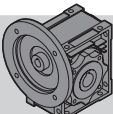


CHPLB

	i	
18002	10.9 ÷ 20.0	2 reduction stages
18003	54.4 ÷ 163.3	3 reduction stages
18004	185.8 ÷ 981.2	4 reduction stages



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 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)	 CHM	 CM/CP
18002	13	9290	112.5	36760	25	160 180	CHM 110 CHM 130	CM65 CP65
	15.7	9874	99	36760				
	19	8690	72	32020				
	21.4	9176	67.5	32020				
	24.9	9254	58.5	32020				
	30	9434	49.5	32020				
18003	53.8	11873	36	36760	17	63 71 80 90 100 112 132 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130	CM42 CM65 CP65
	65	12552	31.5	36760				
	73.3	12806	28.5	36760				
	81.4	12725	25.5	36760				
	94.5	13034	22.5	36760				
	106.7	13736	21	36760				
	128.4	11806	15	32020				
	149.1	12339	13.5	32020				
	180.2	13256	12	32020				
18004	348.6	16703	8.1	36760	13	63 71 80 90 100 112 132 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	377.2	16735	7.5	36760				
	438.4	16116	6.6	36760				
	489.2	17362	6	36760				
	549.1	17539	5.4	36760				
	620	18706	5.1	36760				
	677.9	18045	4.5	36760				
	720	19166	4.5	36760				
	770.5	19143	4.2	36760				
	818.8	18891	3.9	36760				
	849.8	16589	3.3	32020				
	928.8	16483	3	32020				
	987.4	17523	3	32020				
	1113	17777	2.7	32020				
	1216.4	17270	2.4	32020				

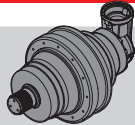
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office



DATI TECNICI · TECHNICAL DATA

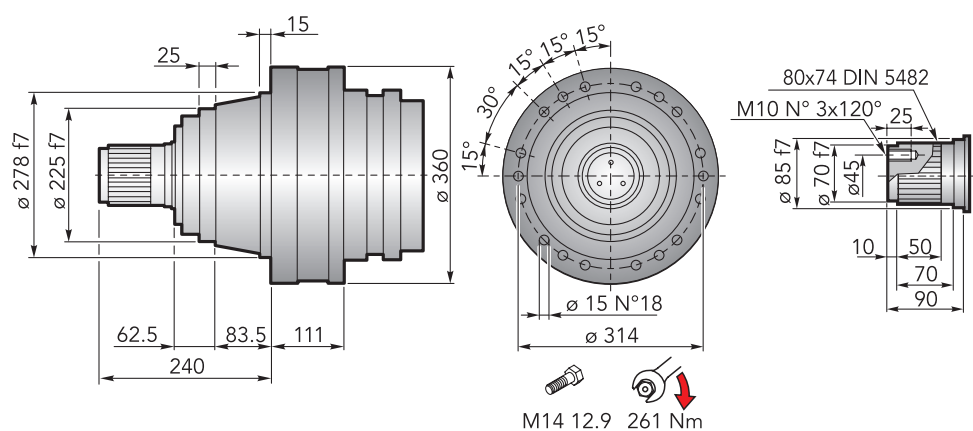
 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)	 CM/CP
18002	10.9	9037	128	36760	25	160 180	CM65 CP65
	13.2	8301	99	32020			
	16.6	9965	94.5	36760			
	20	8576	67.5	32020			
18003	54.4	12005	36	36760	17	63 71 80 90 100 112 132 160	CM42 CM65 CP65
	71.2	12440	28.5	36760			
	85.7	13396	25.5	36760			
	103.3	11398	18	32020			
	116.7	11803	16.5	32020			
	135.5	13705	16.5	36760			
	163.3	12012	12	32020			
18004	185.8	15113	13.7	36760	13	63 71 80 90 100 112 132 160	CM42 CM65 CP65
	224.4	15333	11.6	36760			
	281	15542	9.4	36760			
	323.8	16089	8.4	36760			
	353.6	16315	7.8	36760			
	394.3	16793	7.2	36760			
	442.9	17292	6.6	36760			
	500.1	17750	6	36760			
	558.2	15850	4.8	32020			
	580.7	17519	5.1	36760			
	622.5	15466	4.2	32020			
	699.2	16131	3.9	32020			
	749.1	16953	3.6	32020			
	812	17292	3.6	32020			
	981.2	17413	3	32020			

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

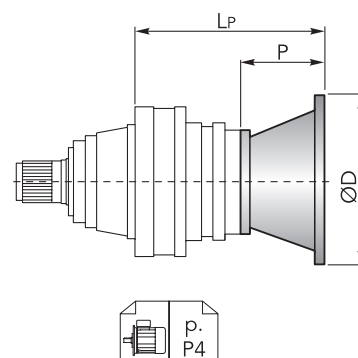
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Accessories

CHPL 18000 CMS - Flange motori IEC | IEC Motor flanges

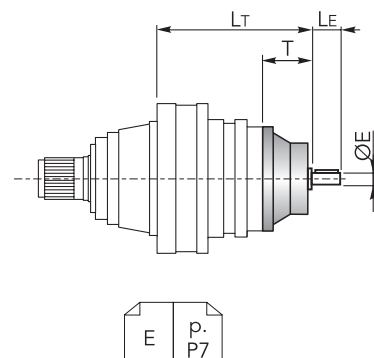
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	336.5	36	140	336.5	36	160	356.5	56	200	356.5	56	200	366.5	66	250
18004	380.5	-	-	380.5	-	-	400.5	-	-	400.5	-	-	410.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	359	118	350	359	118	350
18003	366.5	66	250	400.5	100	300	439.5	139	-	-	-	-
18004	410.5	-	-	444.5	-	-	483.5	-	-	-	-	-



CHPL 18000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	362.5	121.5	105	65 h6	394	153	105	65 h6
18003	393.5	93	82	42 h6	435.5	-	-	-	467	-	-	-
18004	437.5	-	-	-	-	-	-	-	-	-	-	-



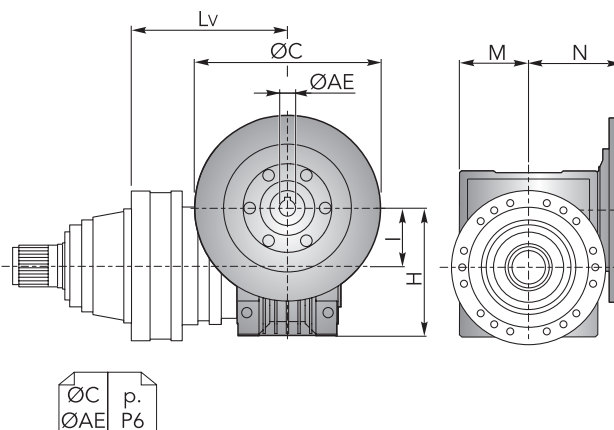


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CHPL 18000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	426	50	110	60	80	435.5	63	135	72	95	414.5	75	161	86	112.5
18004	470					479.5					458.5				

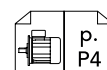
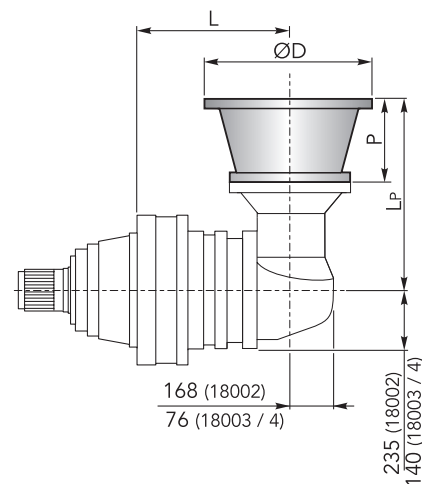
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					379	110	237.5	127.5	160	386	130	277.5	147.5	180
18003	424.5	90	193	103	129.5	452					459				
18004	468.5					-					-				



CHPLB 18000 CMS - Flange motori IEC | *IEC Motor flanges*

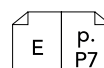
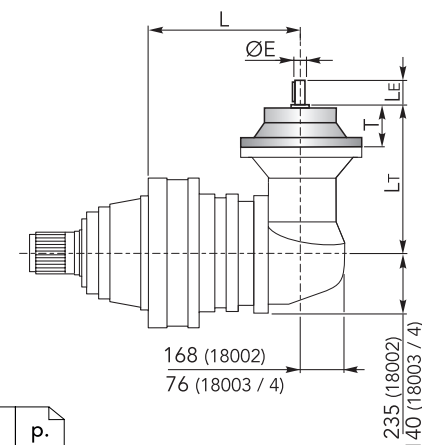
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				-			
18003	333	276	36	140	333	276	36	160	333	296	56	200	333	296	56	200
18004	406				406				406				406			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				276	433	118	350	276	433	118	350
18003	333	306	66	250	333	306	66	250	333	340	100	300	333	379	139	350	-			
18004	406				406				406				406				-			

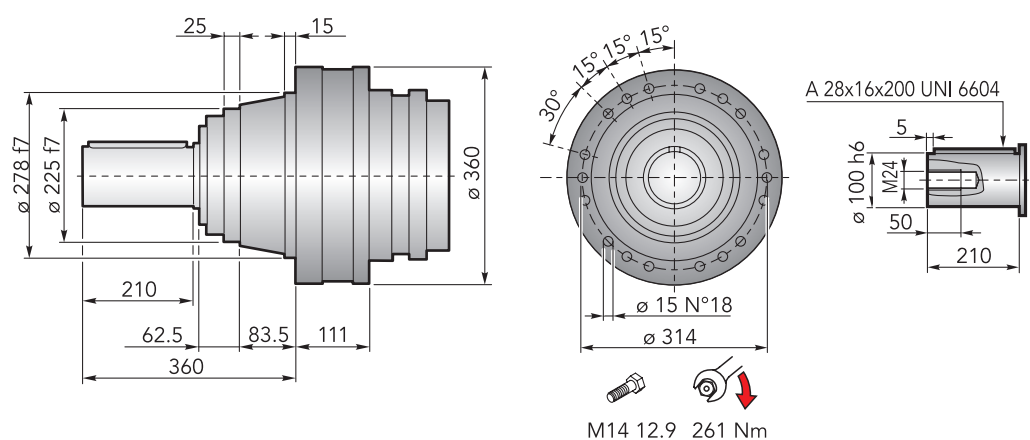


CHPLB 18000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
18002	-					276	436.5				276	468			
18003	333					333		121.5	105	65 h6	333		153	105	65 h6
18004	406	333	93	82	42 h6	406	377.5				406	409			



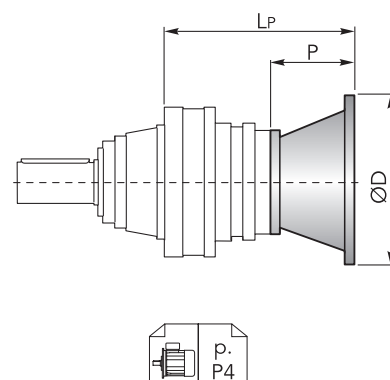
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CHPL 18000 CMC - Flange motori IEC | IEC Motor flanges

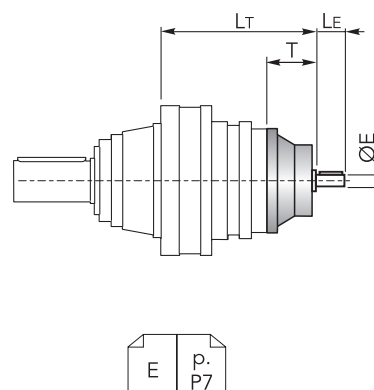
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	336.5	36	140	336.5	36	160	356.5	56	200	356.5	56	200	366.5	66	250
18004	380.5	36	140	380.5	36	160	400.5	56	200	400.5	56	200	410.5	66	250

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	359	118	350	359	118	350
18003	366.5	66	250	400.5	100	300	439.5	139	-	-	-	-
18004	410.5	66	250	444.5	100	300	483.5	139	-	-	-	-



CHPL 18000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	362.5	121.5	105	65 h6	394	153	105	65 h6
18003	393.5	93	82	42 h6	435.5	-	-	-	467	-	-	-
18004	437.5	93	82	42 h6	-	-	-	-	-	-	-	-



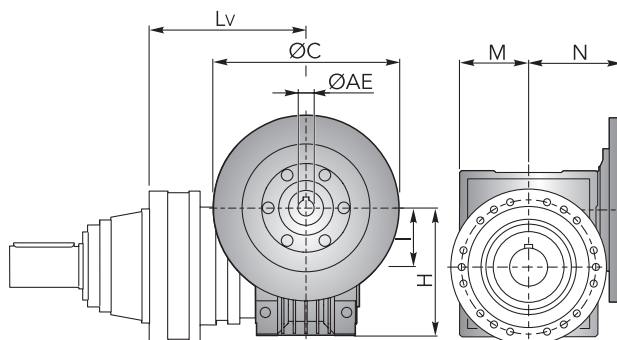


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CHPL 18000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	426	50	110	60	80	435.5	63	135	72	95	414.5	75	161	86	112.5
18004	470					479.5					458.5				

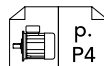
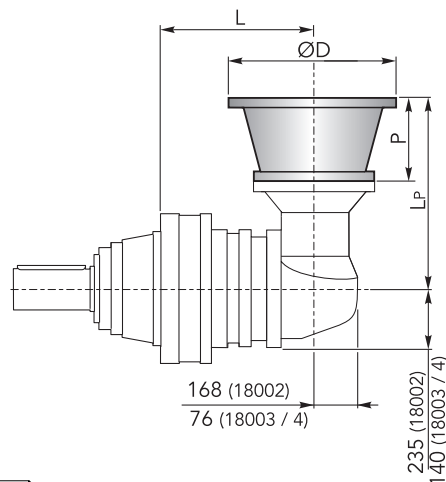
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					379	110	237.5	127.5	160	386	130	277.5	147.5	180
18003	424.5	90	193	103	129.5	452					459				
18004	468.5					-					-				



CHPLB 18000 CMC - Flange motori IEC | *IEC Motor flanges*

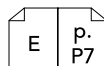
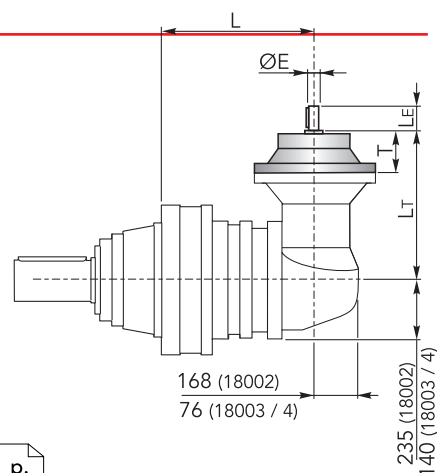
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				-			
18003	333	276	36	140	333	276	36	160	333	296	56	200	333	296	56	200
18004	406				406				406				406			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				276	433	118	350	276	433	118	350
18003	333	306	66	250	333	306	66	250	333	340	100	300	333	379	139	350	-			
18004	406				406				406				406				-			

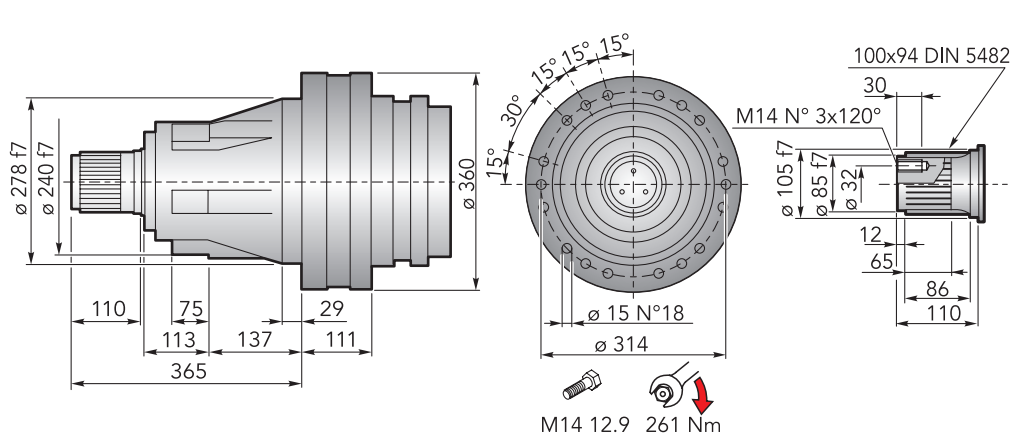


CHPLB 18000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
18002	-					276	436.5				276	468			
18003	333					333		121.5	105	65 h6	333		153	105	65 h6
18004	406	333	93	82	42 h6	406	377.5				406	409			



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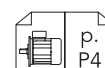
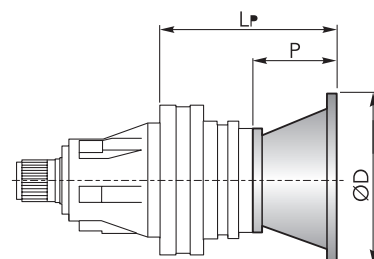
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CHPL 18000 CPS - Flange motori IEC | IEC Motor flanges

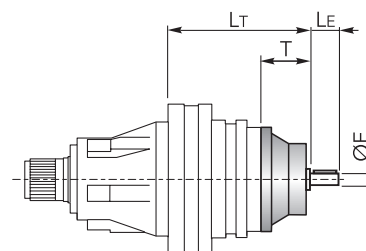
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	336.5	36	140	336.5	36	160	356.5	56	200	356.5	56	200	366.5	66	250
18004	380.5	-	-	380.5	-	-	400.5	-	-	400.5	-	-	410.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	359	118	350	359	118	350
18003	366.5	-	-	400.5	-	-	439.5	-	-	-	-	-
18004	410.5	66	250	444.5	100	300	483.5	139	-	-	-	-



CHPL 18000 CPS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	362.5	121.5	105	65 h6	394	153	105	65 h6
18003	393.5	93	82	42 h6	435.5	-	-	-	467	-	-	-
18004	437.5	-	-	-	-	-	-	-	-	-	-	-



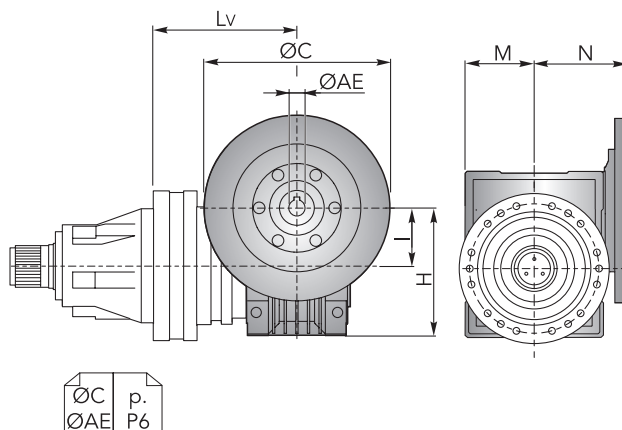


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CHPL 18000 CPS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	426	50	110	60	80	435.5	63	135	72	95	414.5	75	161	86	112.5
18004	470					479.5					458.5				

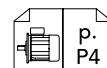
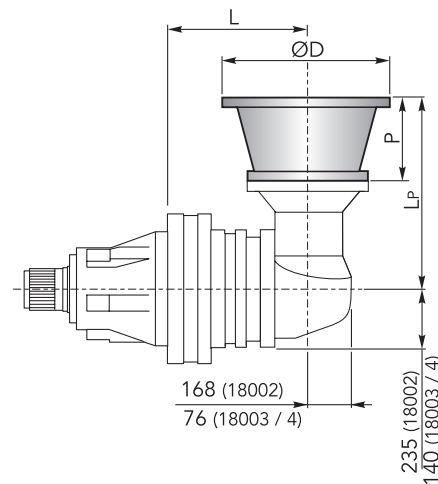
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					379	110	237.5	127.5	160	386	130	277.5	147.5	180
18003	424.5	90	193	103	129.5	452					459				
18004	468.5					-					-				



CHPLB 18000 CPS - Flange motori IEC | IEC Motor flanges

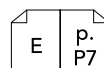
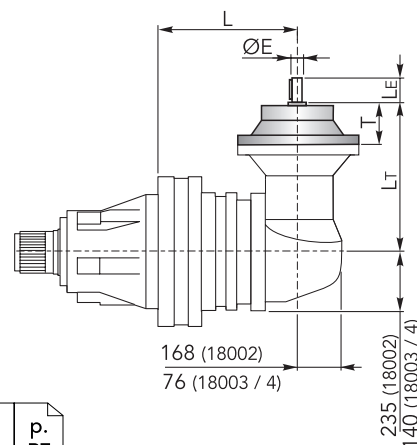
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				-			
18003	333	276	36	140	333	276	36	160	333	296	56	200	333	296	56	200
18004	406				406				406				406			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				276	433	118	350	276	433	118	350
18003	333	306	66	250	333	306	66	250	333	340	100	300	333	379	139	350	-			
18004	406				406				406				406				-			

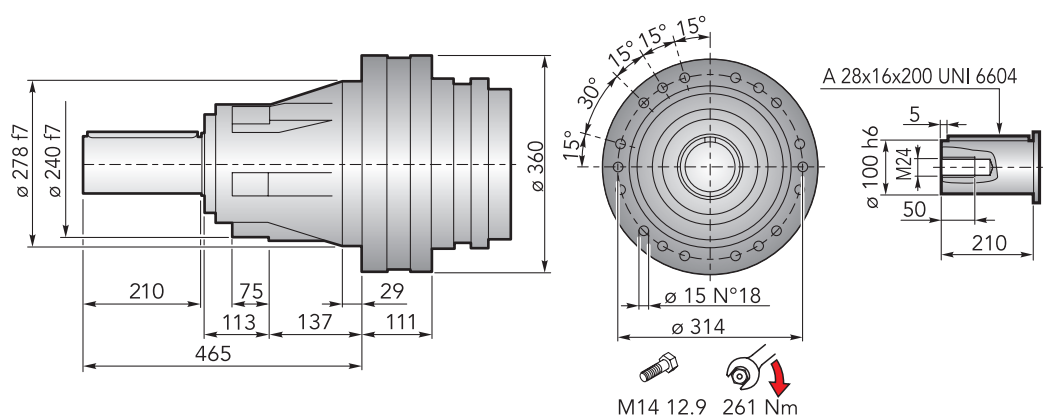


CHPLB 18000 CPS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
18002	-					276	436.5				276	468			
18003	333					333		121.5	105	65 h6	333		153	105	65 h6
18004	406	333	93	82	42 h6	406	377.5				406				



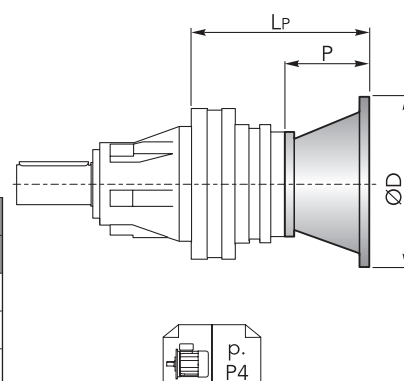
DIMENSIONI · DIMENSIONS



CHPL 18000 CPC - Flange motori IEC | IEC Motor flanges

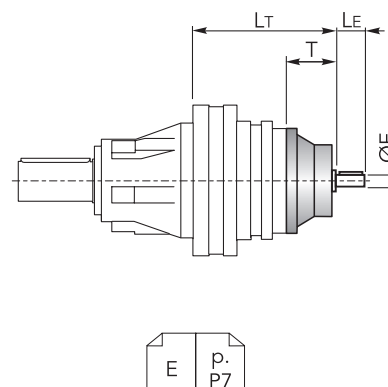
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	336.5	36	140	336.5	36	160	356.5	56	200	356.5	56	200	366.5	66	250
18004	380.5	-	-	380.5	-	-	400.5	-	-	400.5	-	-	410.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	359	118	350	359	118	350
18003	366.5	-	-	400.5	-	-	439.5	-	-	-	-	-
18004	410.5	66	250	444.5	100	300	483.5	139	-	-	-	-



CHPL 18000 CPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	362.5	121.5	105	65 h6	394	153	105	65 h6
18003	393.5	93	82	42 h6	435.5	-	-	-	467	-	-	-
18004	437.5	-	-	-	-	-	-	-	-	-	-	-



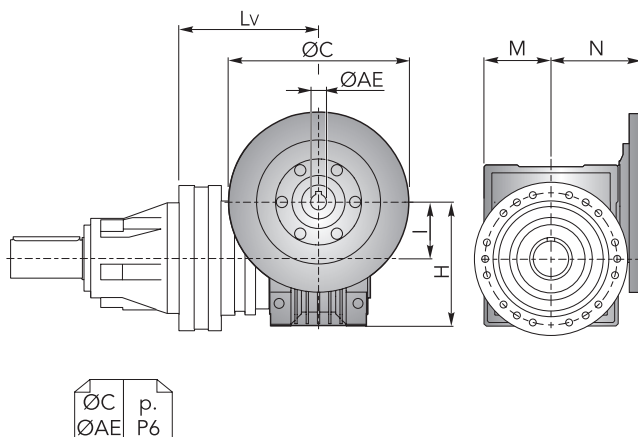


DIMENSIONI · DIMENSIONS

CHPL 18000 CPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	426	50	110	60	80	435.5	63	135	72	95	414.5	75	161	86	112.5
18004	470					479.5					458.5				

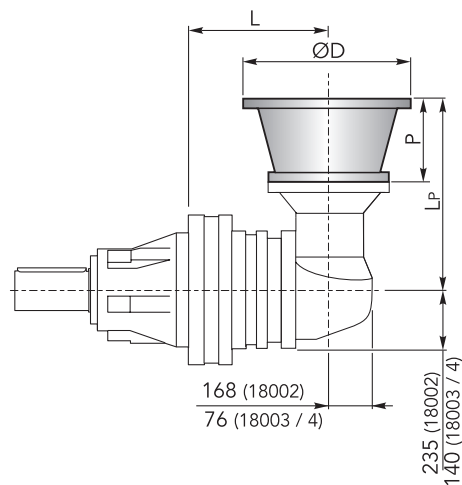
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					379	110	237.5	127.5	160	386	130	277.5	147.5	180
18003	424.5	90	193	103	129.5	452					459				
18004	468.5					-					-				



CHPLB 18000 CPC - Flange motori IEC | *IEC Motor flanges*

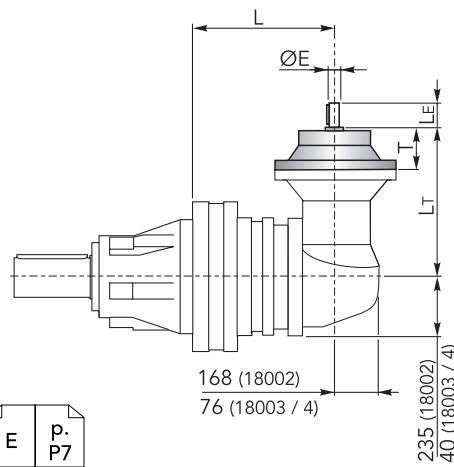
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				-			
18003	333	276	36	140	333	276	36	160	333	296	56	200	333	296	56	200
18004	406				406				406				406			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				276	433	118	350	276	433	118	350
18003	333	306	66	250	333	306	66	250	333	340	100	300	333	379	139	350	-			
18004	406				406				406				406				-			

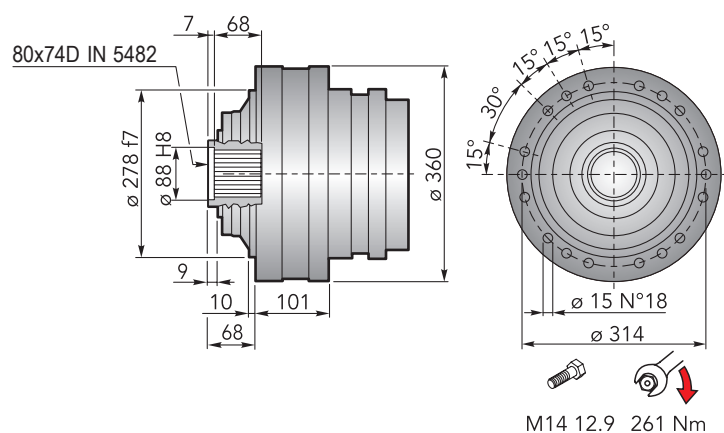


CHPLB 18000 CPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
18002	-					276	436.5				276	468			
18003	333					333		121.5	105	65 h6	333		153	105	65 h6
18004	406	333	93	82	42 h6	406	377.5				406	409			



DIMENSIONI · DIMENSIONS



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Accessories

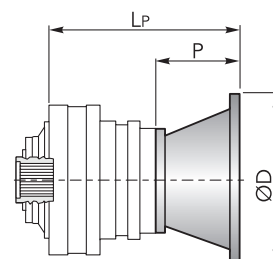
CHKB

p.
118

CHPL 18000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	326.5	36	140	326.5	36	160	346.5	56	200	346.5	56	200	356.5	66	250
18004	370.5	-	-	370.5	-	-	390.5	-	-	390.5	-	-	400.5	-	-

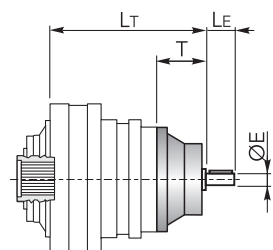
CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
18002	-	-	-	-	-	-	349	118	350	349	118	350
18003	356.5	66	250	390.5	100	300	429.5	139	-	-	-	-
18004	400.5	-	-	434.5	-	-	473.5	-	-	-	-	-



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P4

CHPL 18000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
18002	-	-	-	-	352.5	121.5	105	65 h6	384	153	105	65 h6
18003	383.5	93	82	42 h6	425.5	-	-	-	457	-	-	-
18004	427.5	-	-	-	-	-	-	-	-	-	-	-



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P7

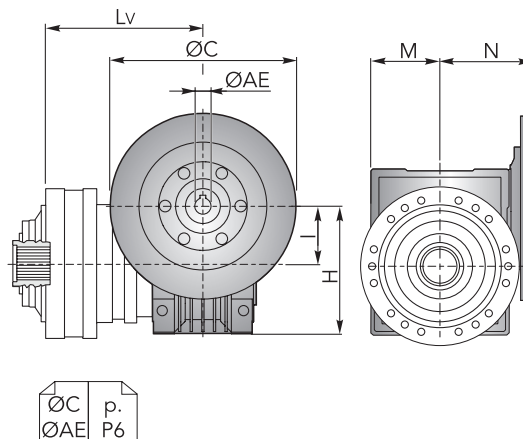


DIMENSIONI · DIMENSIONS

CHPL 18000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	416	50	110	60	80	425.5	63	135	72	95	404.5	75	161	86	112.5
18004	460					469.5					448.5				

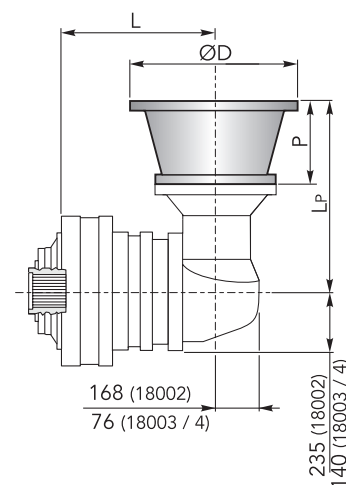
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					369	110	237.5	127.5	160	376	130	277.5	147.5	180
18003	414.5	90	193	103	129.5	442					449				
18004	458.5					-					-				



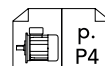
CHPLB 18000 CF - Flange motori IEC | *IEC Motor flanges*

CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
18002	-				-				-				-			
18003	323	276	36	140	323	276	36	160	323	296	56	200	323	296	56	200
18004	396				396				396				396			

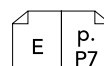
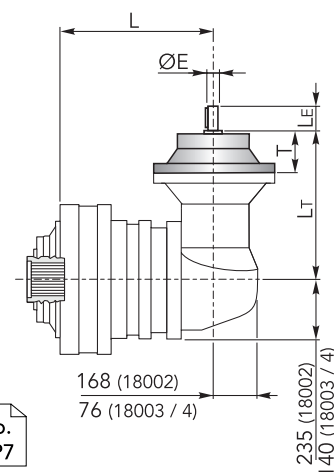
CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
18002	-				-				-				266	433	118	350	266	433	118	350
18003	323	306	66	250	323	306	66	250	323	340	100	300	323	379	139					
18004	396				396				396				396							



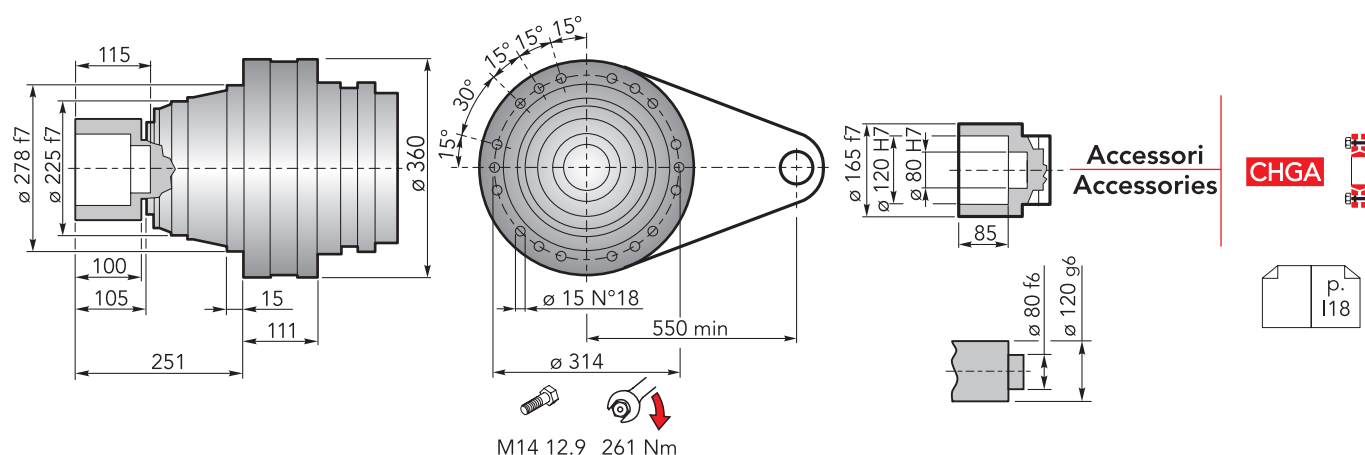
CHPLB 18000 CF - Alberi maschi entrata | *Male input shafts*



CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
18002	-					266	436.5				266	468			
18003	323					323		121.5	105	65 h6	323		153	105	65 h6
18004	396	333	93	82	42 h6	396	377.5				396	409			



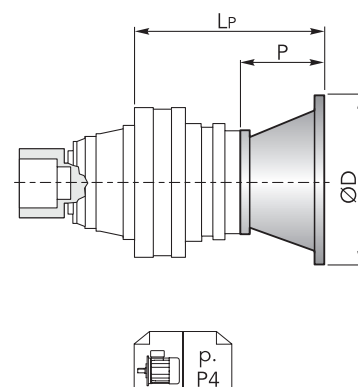
DIMENSIONI · DIMENSIONS



CHPL 18000 CFS - Flange motori IEC | IEC Motor flanges

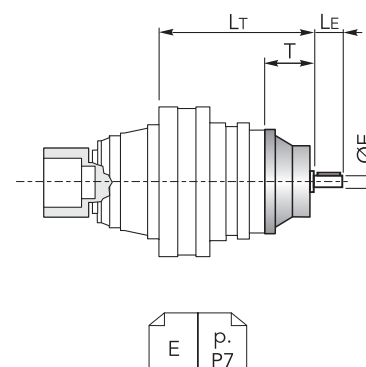
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	336.5	36	140	336.5	36	160	356.5	56	200	356.5	56	200	366.5	66	250
18004	380.5	-	-	380.5	-	-	400.5	-	-	400.5	-	-	410.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	359	118	350	359	118	350
18003	366.5	-	-	400.5	-	-	439.5	-	-	-	-	-
18004	410.5	66	250	444.5	100	300	483.5	139	-	-	-	-



CHPL 18000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	362.5	121.5	105	65 h6	394	153	105	65 h6
18003	393.5	93	82	42 h6	435.5	-	-	-	467	-	-	-
18004	437.5	-	-	-	-	-	-	-	-	-	-	-



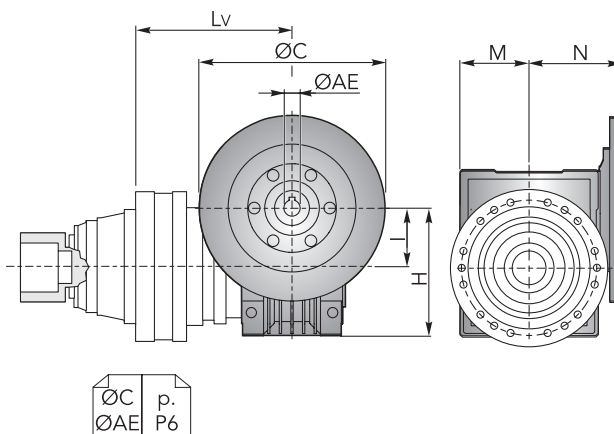


DIMENSIONI · DIMENSIONS

CHPL 18000 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	426	50	110	60	80	435.5	63	135	72	95	414.5	75	161	86	112.5
18004	470					479.5					458.5				

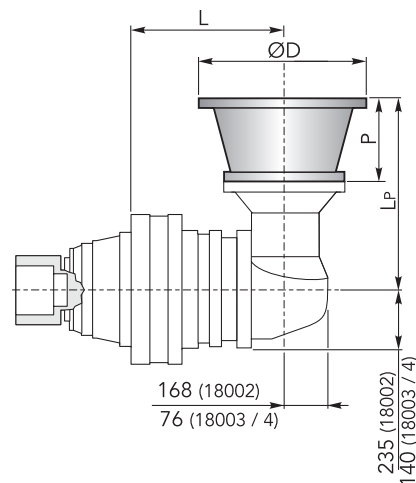
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					379	110	237.5	127.5	160	386	130	277.5	147.5	180
18003	424.5	90	193	103	129.5	452					459				
18004	468.5					-					-				



CHPLB 18000 CFS - Flange motori IEC | IEC Motor flanges

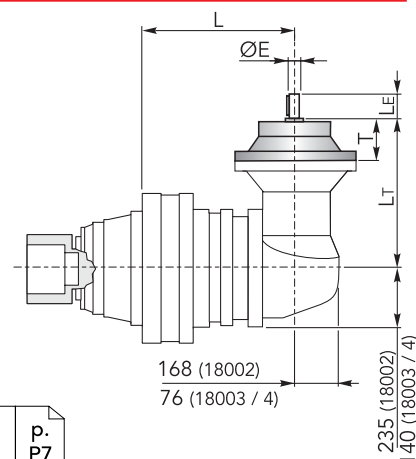
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				-			
18003	333	276	36	140	333	276	36	160	333	296	56	200	333	296	56	200
18004	406				406				406				406			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
18002	-				-				-				276	433	118	350	276	433	118	350
18003	333	306	66	250	333	306	66	250	333	340	100	300	333	379	139	350	-			
18004	406				406				406				406				-			

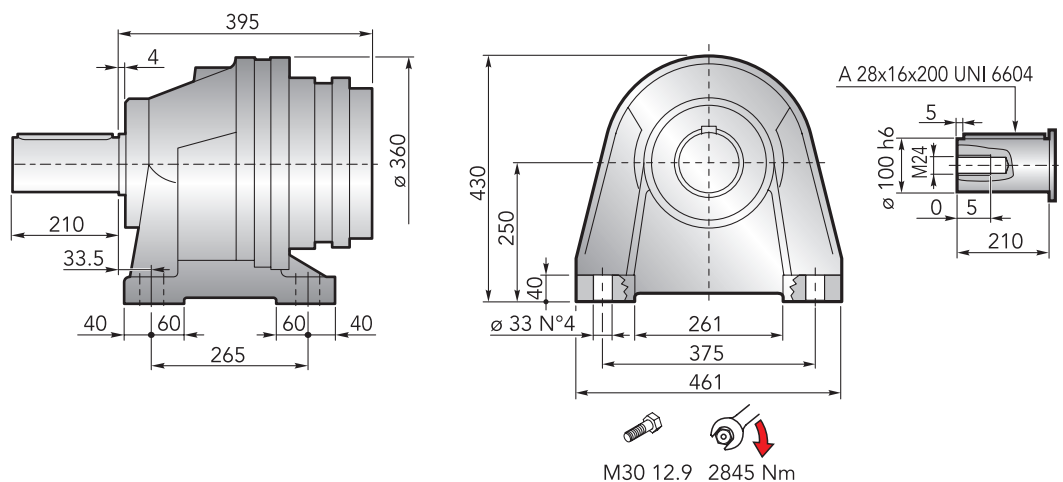


CHPLB 18000 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
18002	-					276	436.5				276	468			
18003	333					333		121.5	105	65 h6	333		153	105	65 h6
18004	406	333	93	82	42 h6	406	377.5				406	409			



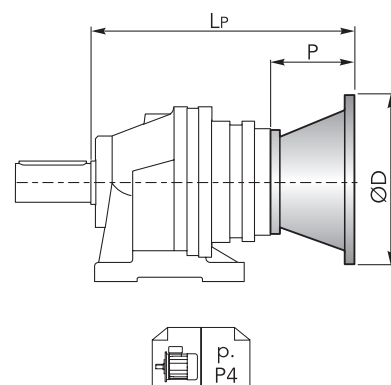
DIMENSIONI · DIMENSIONS



CHPL 18000 CCPC - Flange motori IEC | IEC Motor flanges

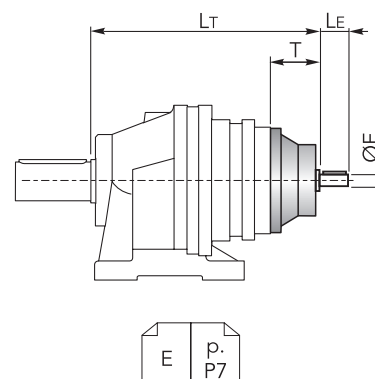
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18003	490.5	36	140	490.5	36	160	510.5	56	200	510.5	56	200	520.5	66	250
18004	538.5	-	-	538.5	-	-	558.5	-	-	558.5	-	-	568.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
18002	-	-	-	-	-	-	513	118	350	513	118	350
18003	520.5	66	250	554.5	100	300	593.5	139	-	-	-	-
18004	568.5	-	-	602.5	-	-	641.5	-	-	-	-	-



CHPL 18000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
18002	-	-	-	-	516.5	121.5	105	65 h6	548	153	105	65 h6
18003	547.5	93	82	42 h6	589.5	-	-	-	621	-	-	-
18004	595.5	-	-	-	-	-	-	-	-	-	-	-



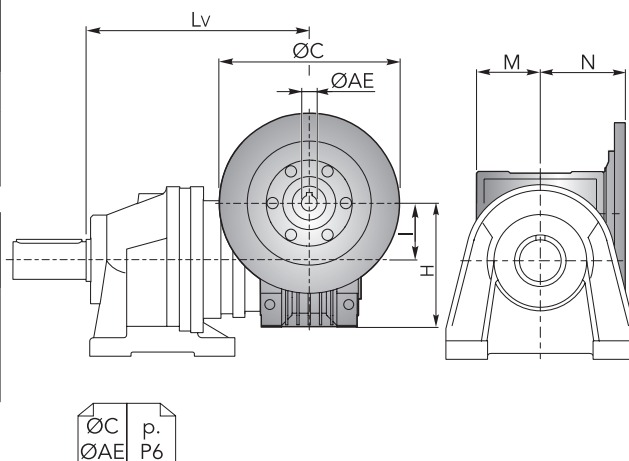


DIMENSIONI · DIMENSIONS

CHPL 18000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					-					-				
18003	580	50	110	60	80	589.5	63	135	72	95	568.5	75	161	86	112.5
18004	628					637.5					616.5				

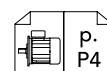
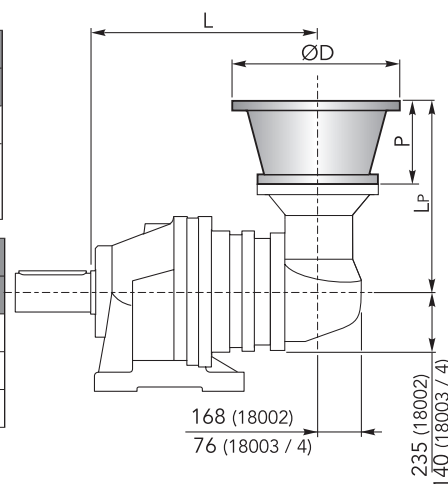
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
18002	-					533	110	237.5	127.5	160	540	130	277.5	147.5	180
18003	578.5	90	193	103	129.5	606					613				
18004	626.5					-					-				



CHPLB 18000 CCPC - Flange motori IEC | *IEC Motor flanges*

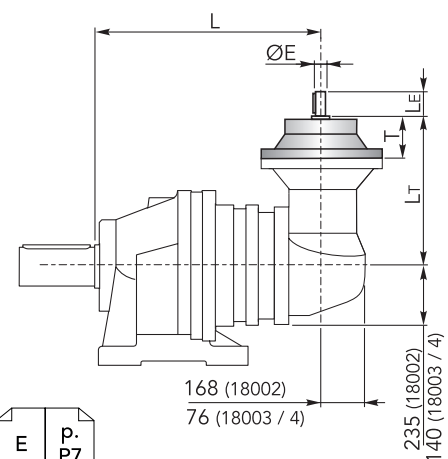
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
18002	-				-				-				-			
18003	483	276	36	140	483	276	36	160	483	296	56	200	483	296	56	200
18004	542.5				542.5				542.5				542.5			

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
18002	-				-				-				430	433	118		430	433	118	350
18003	483	306	66	250	483	306	66	250	483	340	100	300	483	379	139	350	-			
18004	542.5				542.5				542.5				542.5				-			



CHPLB 18000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
18002	-					430	436.5				430	468			
18003	483	333	93	82	42 h6	483	377.5	121.5	105	65 h6	483	409	153	105	65 h6
18004	542.5					542.5					542.5				

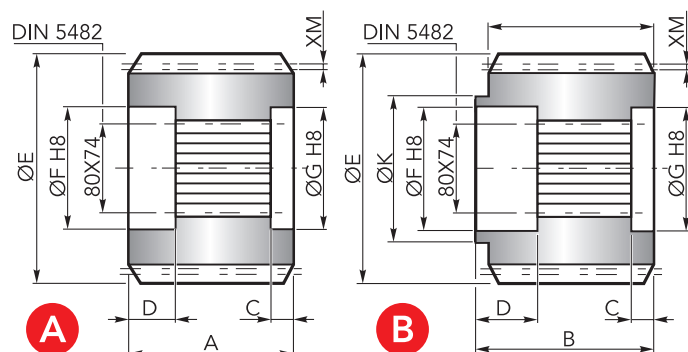


ACCESSORI · ACCESSORIES

CHYZ



Pignoni | Pinions

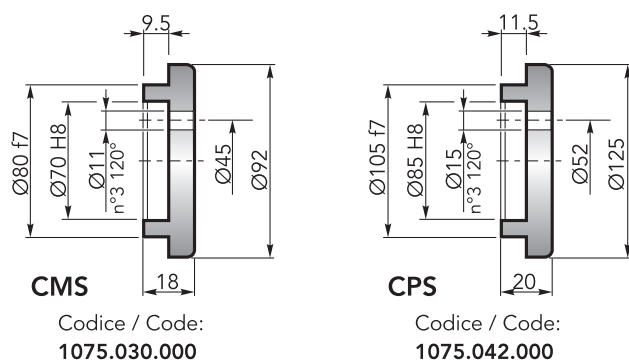


	Uscita / Output	M	Z	XM	A	B	C	D	E	F	G	K	Codice / Code
A	CMS	10	12	0	90	-	10	31	140	85	80	-	1071.236.042
	CMS	10	14	0	90	-	10	31	160	85	80	-	1071.238.042
	CMS	10	15	5	90	-	10	31	180	85	80	-	1071.138.042
B	CMS	10	18	5	85	114	31	24	209.3	85	95	160	1071.261.042
	CMS	12	14	3	90	105	15	31	194.5	85	95	130	1071.269.042

CHFF



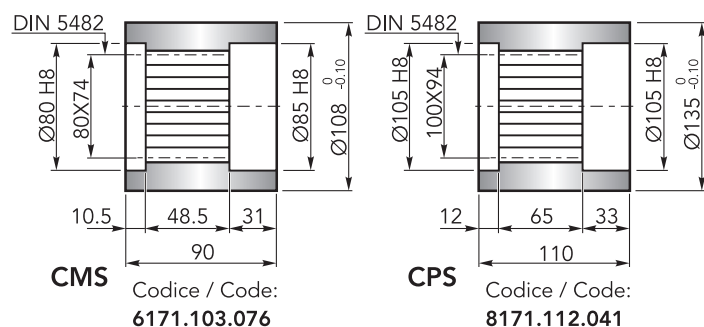
Fondello di arresto | Stop bottom plate



CHBS



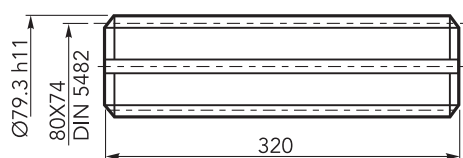
Boccola scanalata | Splined bushing



CHKB



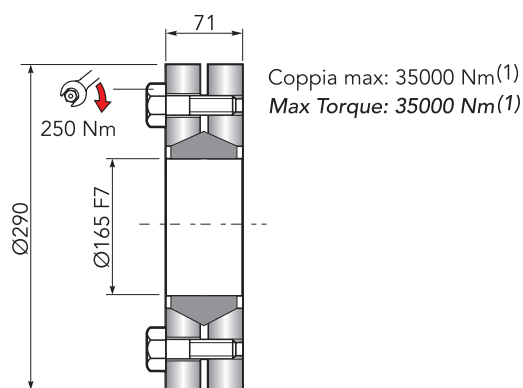
Barra scanalata | Splined rod

Codice / Code:
3071.406.042

CHGA



Giunto di attrito | Shrink disc

Codice / Code:
5109.165.000

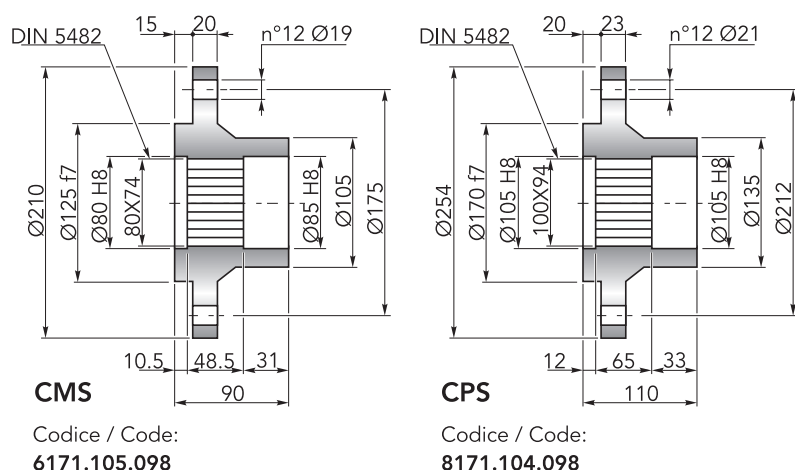
(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

CHFL



Flangia | Flange

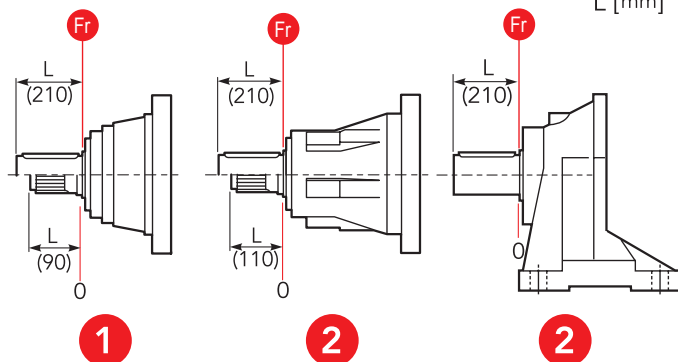
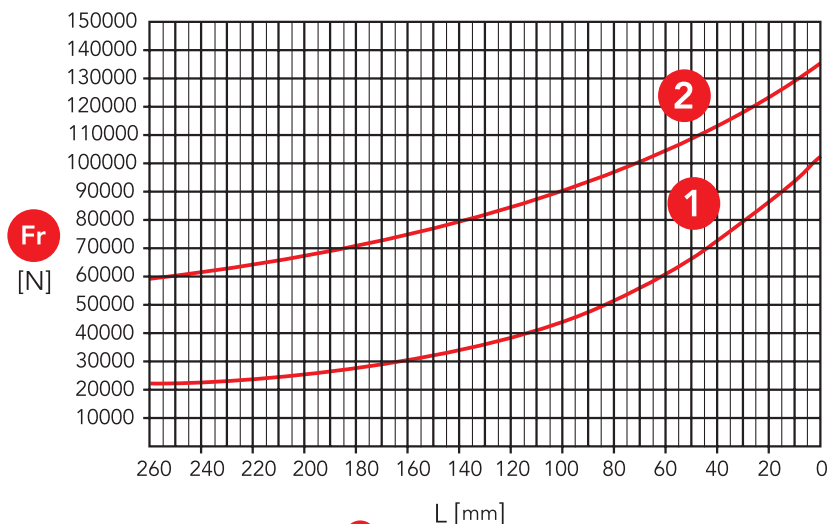




CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



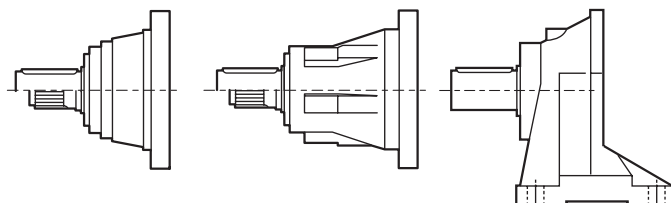
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CPS, CPC, CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

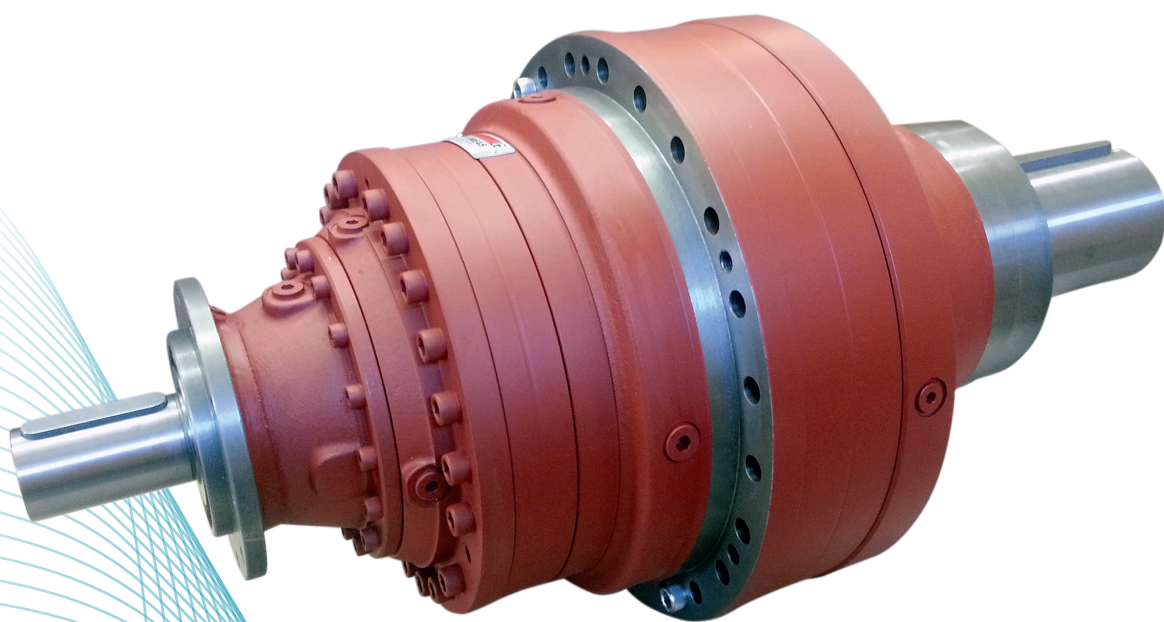
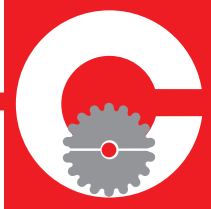
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa	45000	85000	←
[N]	65000	85000	→



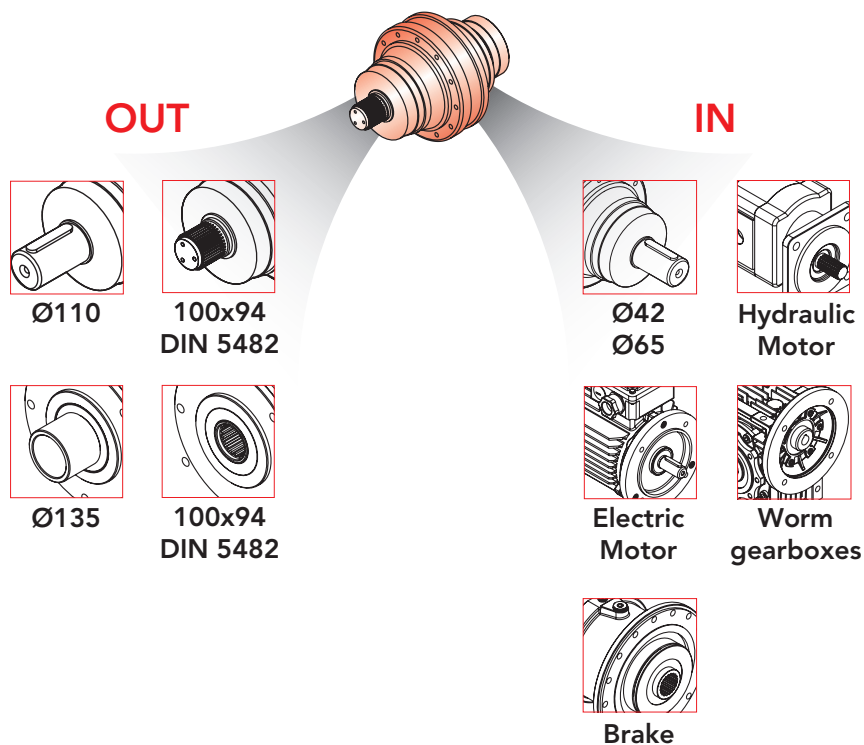
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CPS, CPC, CCPC





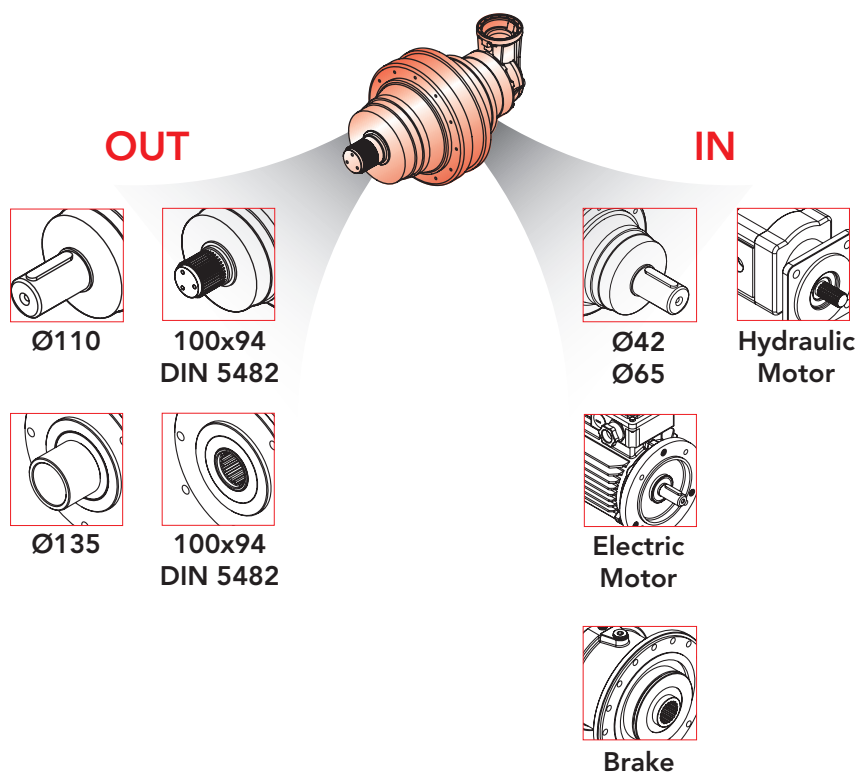
CHPL

	i	
25001	4.00 ÷ 6.25	1 reduction stage
25002	14.7 ÷ 43.8	2 reduction stages
25003	55.4 ÷ 317.2	3 reduction stages
25004	338.8 ÷ 1774.0	4 reduction stages

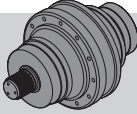
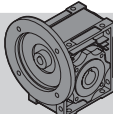
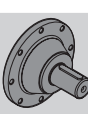


CHPLB

	i	
25002	12.3 ÷ 29.2	2 reduction stages
25003	50.7 ÷ 238.2	3 reduction stages
25004	252.4 ÷ 1726.9	4 reduction stages



DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
25001	4	13808	522	62760	50	160	180	-	-
	5.2	10675	310	48520		200	225		
	6.25	8517	207	37440		250			
25002	14.7	16808	180	62760	30	160 200	180	CHM 110 CHM 130	CM65 CP65
	17.7	12243	148.5	62760					
	20	17470	137.5	62760					
	23	13662	93.5	48520					
	26	13626	82.5	48520					
	30.2	14772	77	48520					
	36.3	11414	49.5	37440					
	43.8	12243	44	37440					
25003	55.4	20919	61.6	62760	20	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130	CM42 CM65 CP65
	60.5	21214	57.2	62760					
	73.1	21688	48.4	62760					
	88	22658	41.8	62760					
	95	17297	30.8	48520					
	106.3	23458	35.2	62760					
	114.4	18514	26.4	48520					
	128.4	24243	30.8	62760					
	134.3	19018	22	48520					
	156	18934	19.8	48520					
	167	19144	19.8	48520					
	188.5	19065	17.6	48520					
	218.7	20646	15.4	48520					
	226.6	15280	11	37440					
	262.8	15948	9.9	37440					
	317.2	17112	8.8	37440					
25004	338.8	27657	13.8	62760	15	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	374	28496	12.9	62760					
	408.4	28894	12	62760					
	424.3	30020	12	62760					
	455.5	29747	11.1	62760					
	493.2	29526	10.2	62760					
	556.9	30307	9.2	62760					
	617.8	30260	8.3	62760					
	697.5	30368	7.4	62760					
	752.3	24475	5.5	48520					
	803.1	25083	5.3	48520					
	873.6	26149	5.1	48520					
	934.9	25551	4.7	48520					
	1013.4	26376	4.4	48520					
	1126.9	26397	4	48520					
	1272.4	28151	3.8	48520					
	1354.5	21153	2.7	37440					
	1476	28814	3.3	48520					
	1529.3	21893	2.5	37440					
	1774	23087	2.2	37440					

n_{1max} = 2800 rpm

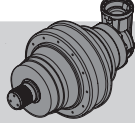
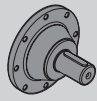
per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

Solo per / only for CHPL 25001 n_{1max} = 1500 rpm



DATI TECNICI · TECHNICAL DATA

 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CM/CP
25002	12.3	15822	202.5	62760	30	160 200	180	CM65 CP65
	16	12959	127.5	48520				
	19.2	10062	82.5	37440				
	24.3	13893	90	48520				
	29.2	11130	60	37440				
25003	50.7	20698	66.6	62760	20	63 80 100 132 180	71 90 112 160	CM42 CM65 CP65
	61.2	20822	55.5	62760				
	69.1	21941	51.8	62760				
	79.6	16249	33.3	48520				
	89.8	18331	33.3	48520				
	96.4	21864	37	62760				
	104.2	18907	29.6	48520				
	125.4	18604	24.2	48520				
	141.6	19096	22	48520				
	164.2	18823	18.7	48520				
	197.4	15974	13.2	37440				
	238.2	16062	11	37440				
25004	252.4	26279	17.6	62760	15	63 80 100 132	71 90 112 160	CM42 CM65 CP65
	285	27819	16.5	62760				
	304	27694	15.4	62760				
	364.3	28446	13.2	62760				
	397.8	28474	12.1	62760				
	449.2	29229	11	62760				
	498.3	29182	9.9	62760				
	562.6	29287	8.8	62760				
	651.2	24578	6.38	48520				
	731.4	24747	5.72	48520				
	789.4	32221	6.9	62760				
	985.2	25642	4.4	48520				
	1190.5	26338	3.74	48520				
	1430.9	22347	2.64	37440				
	1726.9	22474	2.2	37440				

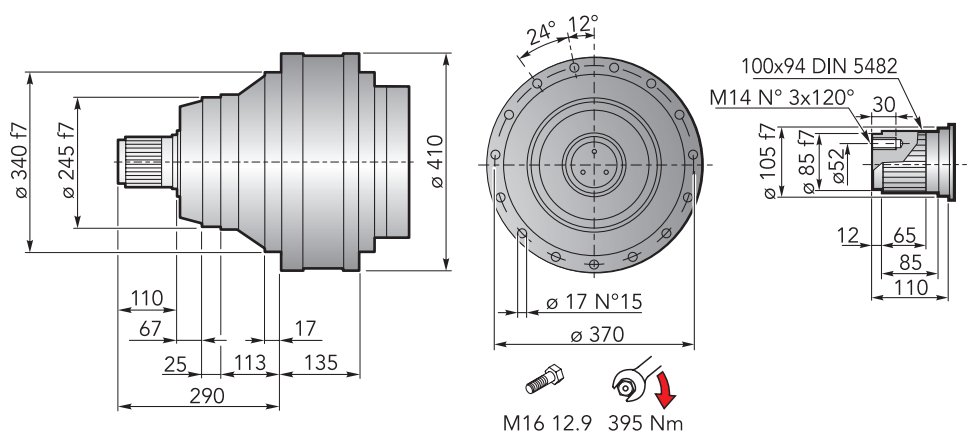
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

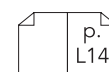
for information consult the technical office

Solo per / only for CHPLB 25002 n_{1max} = 2000 rpm

DIMENSIONI · DIMENSIONS



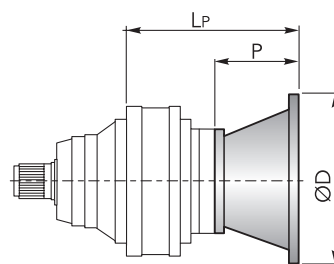
Accessori Accessories



CHPL 25000 CMS - Flange motori IEC | IEC Motor flanges

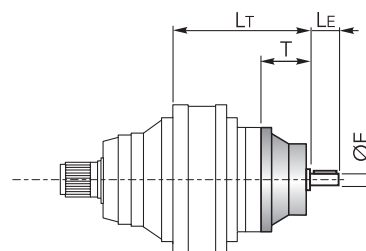
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	419.5	36	140	419.5	36	160	439.5	56	200	439.5	56	200	449.5	66	250	449.5	66	250
25004	467.5	-	-	467.5	-	-	487.5	-	-	487.5	-	-	497.5	-	-	497.5	-	-

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
25001	-	-	-	380	150	-	380	150	-	380	150	400	369	139	450	369	139	550
25002	-	-	-	442	118	-	442	118	350	472	148	-	-	-	-	-	-	-
25003	483.5	100	300	522.5	139	350	522.5	139	-	-	-	-	-	-	-	-	-	-
25004	531.5	-	-	570.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPL 25000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
25001	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	445.5	121.5	105	65 h6	477	153	105	65 h6
25003	476.5	93	82	42 h6	518.5	-	-	-	550	-	-	-
25004	524.5	-	-	-	-	-	-	-	-	-	-	-



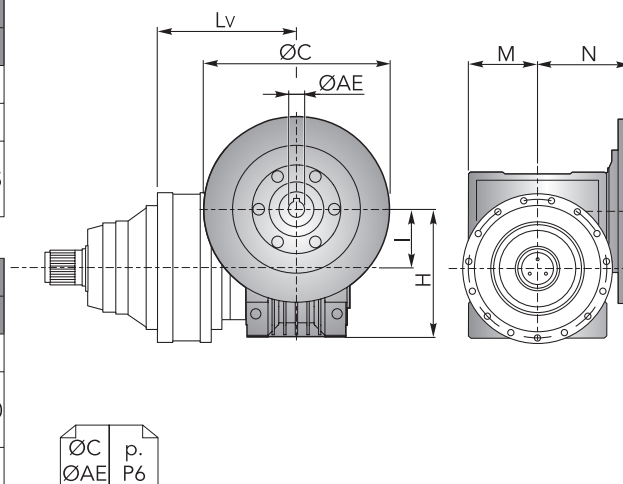


DIMENSIONI · DIMENSIONS

CHPL 25000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-					-					-				
25002	-					-					-				
25003	509	50	110	60	80	518.5	63	135	72	95	497.5	75	161	86	112.5
25004	557					566.5					545.5				

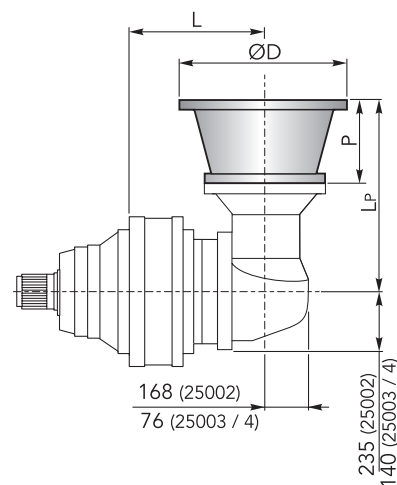
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-					-					-				
25002	-					462	110	237.5	127.5	160	469	130	277.5	147.5	180
25003	507.5	90	193	103	129.5	535					542				
25004	555.5					-					-				



CHPLB 25000 CMS - Flange motori IEC | *IEC Motor flanges*

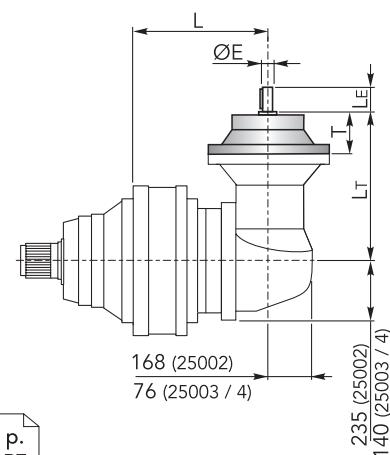
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-				-				-				-				-			
25003	410	276	36	140	410	276	36	160	410	296	56	200	410	296	56	200	410	306	66	250
25004	483				483				483				483				483			

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-				-				308	433	118		308	433	118		308	463	148	400
25003	410	306	66	250	410	340	100	300	410	379	139	350	410	379	139	350	-			
25004	483				483				483				-				-			



CHPLB 25000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
25002	-					308	436.5				308	468			
25003	410					410		121.5	105	65 h6	410		153	105	65 h6
25004	483	333	93	82	42 h6	483	377.5				483	409			





Technical drawing of a tapered roller bearing. The drawing shows the bearing's profile with a dashed centerline. Dimensions are indicated: L_T (total length), L_E (external length), and T (thickness of the outer ring). The outer diameter is labeled $\varnothing E$. Below the drawing is a label with the letter 'E' and the code 'p. P7'.

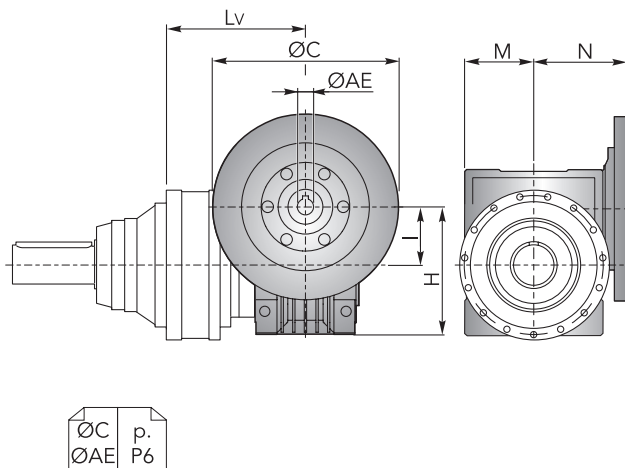


DIMENSIONI · DIMENSIONS

CHPL 25000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	509	50	110	60	80	518.5	63	135	72	95	497.5	75	161	86	112.5
25004	557	-	-	-	-	566.5	-	-	-	-	545.5	-	-	-	-

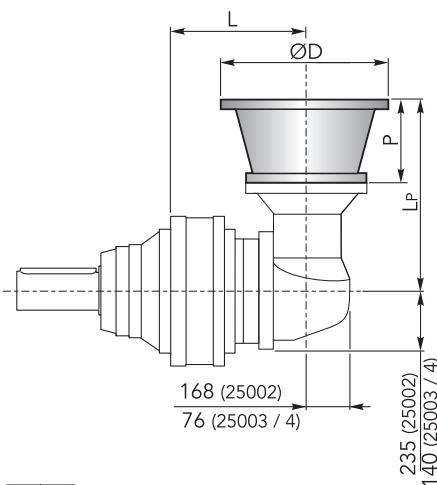
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	462	110	237.5	127.5	160	469	130	277.5	147.5	180
25003	507.5	90	193	103	129.5	535	-	-	-	-	542	-	-	-	-
25004	555.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPLB 25000 CMC - Flange motori IEC | *IEC Motor flanges*

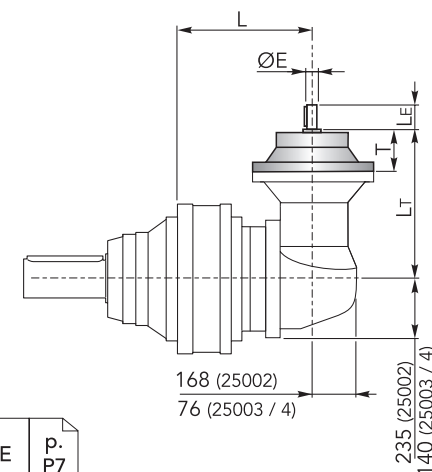
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	410	276	36	140	410	276	36	160	410	296	56	200	410	296	56	200	410	306	66	250
25004	483	-	-	-	483	-	-	-	483	-	-	-	483	-	-	-	483	-	-	-

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	308	433	118	-	308	433	118	350	308	463	148	400
25003	410	306	66	250	410	340	100	300	410	379	139	350	410	379	139	-	-	-	-	-
25004	483	-	-	-	483	-	-	-	483	-	-	-	-	-	-	-	-	-	-	-

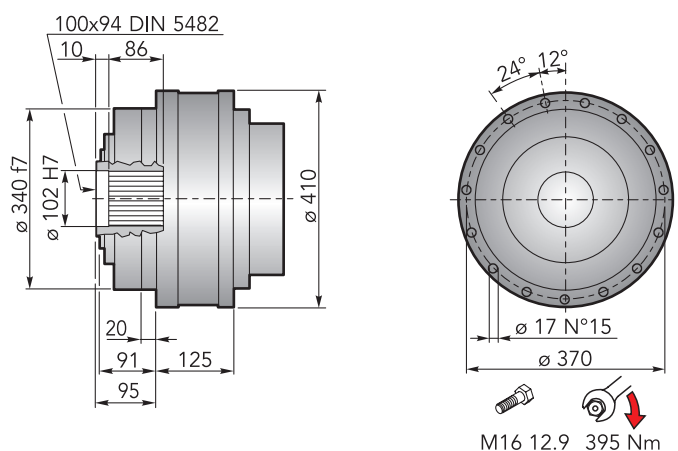


CHPLB 25000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
25002	-	-	-	-	-	308	436.5	-	-	-	308	468	-	-	-
25003	410	333	93	82	42 h6	410	377.5	121.5	105	65 h6	410	409	153	105	65 h6
25004	483	-	-	-	-	483	-	-	-	-	483	-	-	-	-



DIMENSIONI · DIMENSIONS



Accessori
Accessories

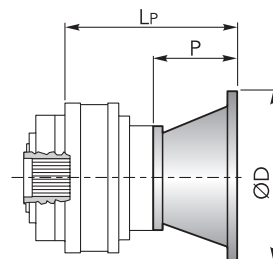
CHKB

p.
L14

CHPL 25000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	409.5	36	140	409.5	36	160	429.5	56	200	429.5	56	200	439.5	66	250	439.5	66	250
25004	457.5	-	-	457.5	-	-	477.5	-	-	477.5	-	-	487.5	-	-	487.5	-	-

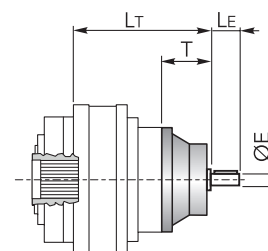
CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
25001	-	-	-	370	150	-	370	150	-	370	150	400	359	139	450	359	139	550
25002	-	-	-	432	118	-	432	118	350	462	148	-	-	-	-	-	-	-
25003	473.5	-	-	512.5	-	-	512.5	139	-	-	-	-	-	-	-	-	-	-
25004	521.5	100	300	560.5	139	-	-	-	-	-	-	-	-	-	-	-	-	-



p.
P4

CHPL 25000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
25001	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	435.5	121.5	105	65 h6	467	153	105	65 h6
25003	466.5	93	82	42 h6	508.5	-	-	-	540	-	-	-
25004	514.5	-	-	-	-	-	-	-	-	-	-	-



E
P7

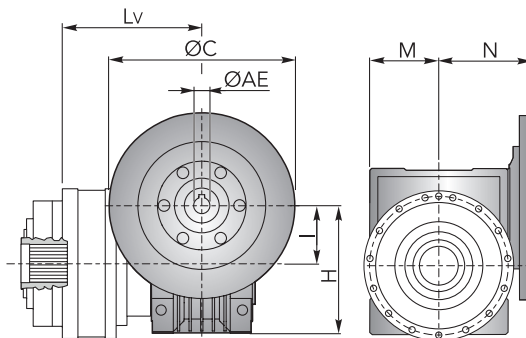


DIMENSIONI · DIMENSIONS

CHPL 25000 CF - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	499	50	110	60	80	508.5	63	135	72	95	487.5	75	161	86	112.5
25004	547	-	-	-	-	556.5	-	-	-	-	535.5	-	-	-	-

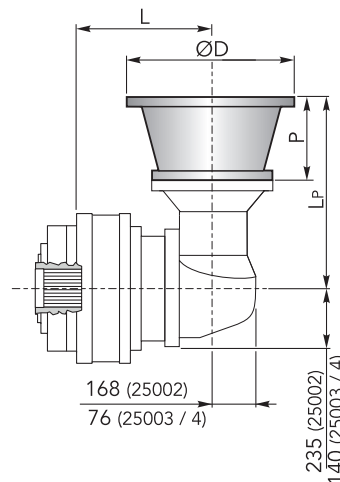
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	452	110	237.5	127.5	160	459	130	277.5	147.5	180
25003	497.5	90	193	103	129.5	525	-	-	-	-	532	-	-	-	-
25004	545.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPLB 25000 CF - Flange motori IEC | IEC Motor flanges

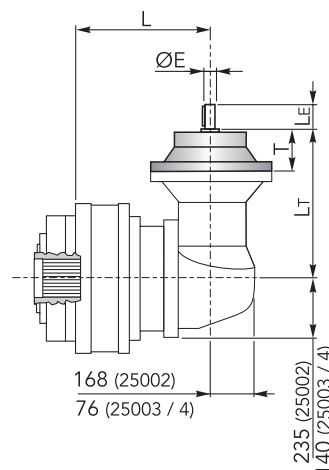
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	400	276	36	140	400	276	36	160	400	296	56	200	400	296	56	200	400	306	66	250
25004	473	-	-	-	473	-	-	-	473	-	-	-	473	-	-	-	473	-	-	-

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	298	433	118	-	298	433	118	-	298	463	148	400
25003	400	306	66	250	400	340	100	300	400	379	139	350	400	379	139	350	-	-	-	-
25004	473	-	-	-	473	-	-	-	473	-	-	-	-	-	-	-	-	-	-	-

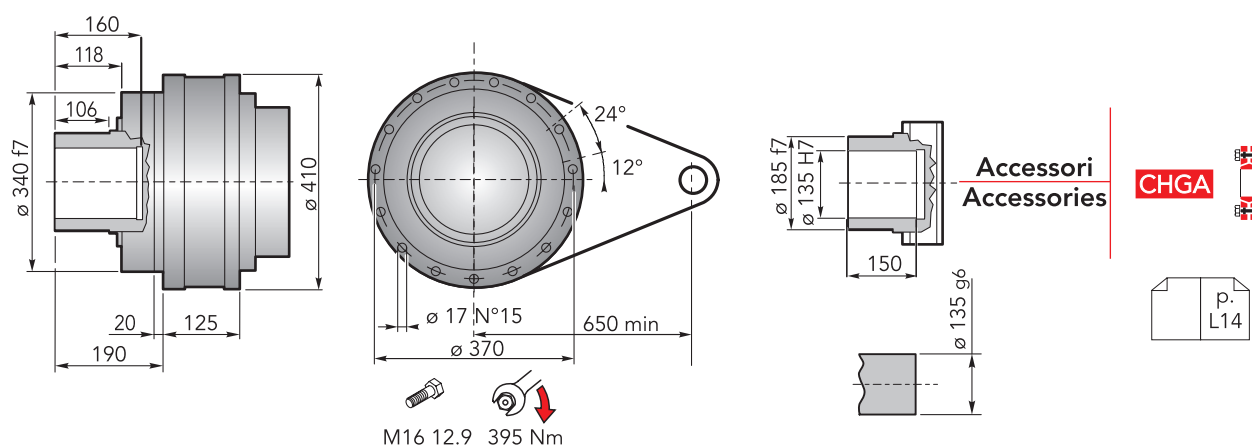


CHPLB 25000 CF - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
25002	-	-	-	-	-	298	436.5	-	-	-	298	468	-	-	-
25003	400	333	93	82	42 h6	400	377.5	121.5	105	65 h6	400	409	153	105	65 h6
25004	473	-	-	-	-	473	-	-	-	-	473	-	-	-	-



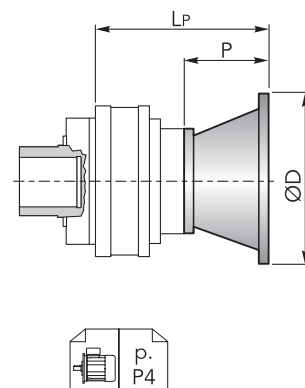
DIMENSIONI · DIMENSIONS



CHPL 25000 CFS - Flange motori IEC | IEC Motor flanges

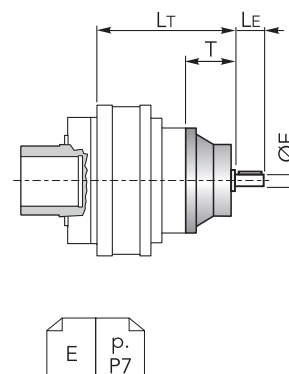
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	409.5	36	140	409.5	36	160	429.5	56	200	429.5	56	200	439.5	66	250	439.5	66	250
25004	457.5	-	-	457.5	-	-	477.5	-	-	477.5	-	-	487.5	-	-	487.5	-	-

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
25001	-	-	-	370	150	-	370	150	-	370	150	400	359	139	450	359	139	550
25002	-	-	-	432	118	-	432	118	350	462	148	-	-	-	-	-	-	-
25003	473.5	-	-	512.5	-	-	512.5	139	-	-	-	-	-	-	-	-	-	-
25004	521.5	100	300	560.5	139	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPL 25000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
25001	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	435.5	121.5	105	65 h6	467	153	105	65 h6
25003	466.5	93	82	42 h6	508.5	-	-	-	540	-	-	-
25004	514.5	-	-	-	-	-	-	-	-	-	-	-



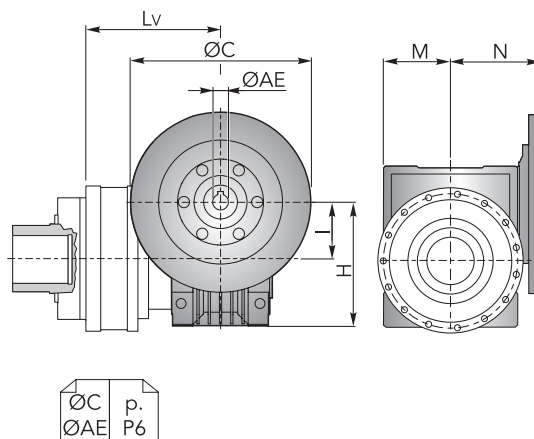


DIMENSIONI · DIMENSIONS

CHPL 25000 CFS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	499	50	110	60	80	508.5	63	135	72	95	487.5	75	161	86	112.5
25004	547	-	-	-	-	556.5	-	-	-	-	535.5	-	-	-	-

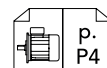
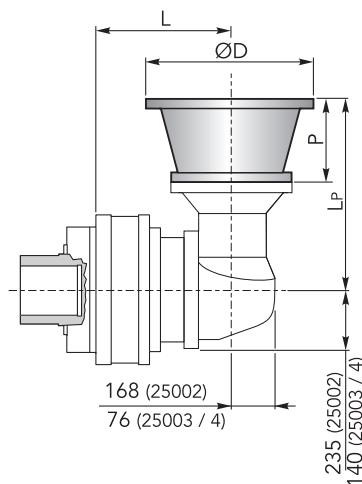
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	452	110	237.5	127.5	160	459	130	277.5	147.5	180
25003	497.5	90	193	103	129.5	525	-	-	-	-	532	-	-	-	-
25004	545.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPLB 25000 CFS - Flange motori IEC | *IEC Motor flanges*

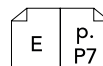
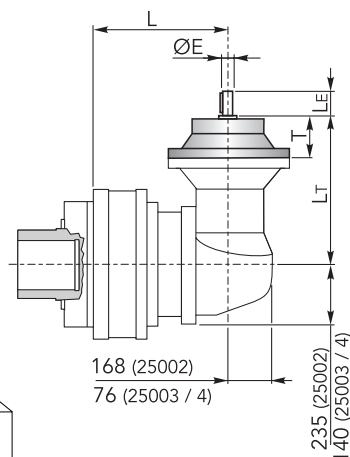
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	400	276	36	140	400	276	36	160	400	296	56	200	400	296	56	200	400	306	66	250
25004	473	-	-	-	473	-	-	-	473	-	-	-	473	-	-	-	473	-	-	-

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	298	433	118	-	298	433	118	-	298	463	148	400
25003	400	306	66	250	400	340	100	300	400	379	139	350	400	379	139	350	-	-	-	-
25004	473	-	-	-	473	-	-	-	473	-	-	-	-	-	-	-	-	-	-	-

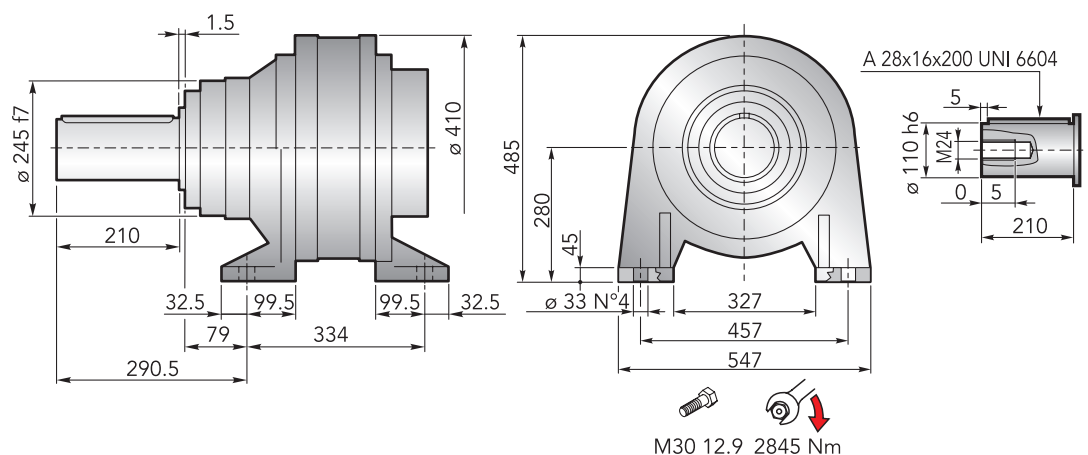


CHPLB 25000 CFS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
25002	-	-	-	-	-	298	436.5	-	-	-	298	468	-	-	-
25003	400	333	93	82	42 h6	400	377.5	121.5	105	65 h6	400	409	153	105	65 h6
25004	473	-	-	-	-	473	-	-	-	-	473	-	-	-	-



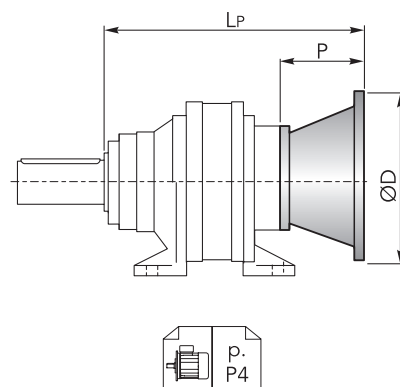
DIMENSIONI · DIMENSIONS



CHPL 25000 CCPC - Flange motori IEC | IEC Motor flanges

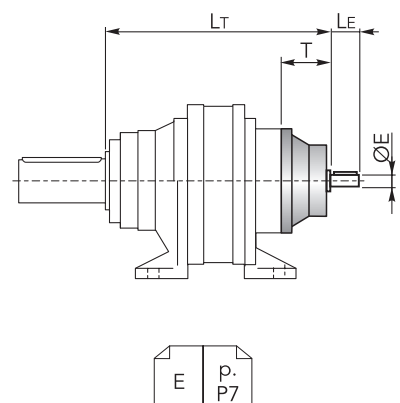
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	599.5	36	140	599.5	36	160	619.5	56	200	619.5	56	200	629.5	66	250	629.5	66	250
25004	647.5	-	-	647.5	-	-	667.5	-	-	667.5	-	-	677.5	-	-	677.5	-	-

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
25001	-	-	-	560	150	-	560	150	-	560	150	400	549	139	450	549	139	550
25002	-	-	-	622	118	-	622	118	350	622	148	-	-	-	-	-	-	-
25003	663.5	-	-	702.5	-	-	702.5	139	-	-	-	-	-	-	-	-	-	-
25004	711.5	100	300	750.5	139	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPL 25000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
25001	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	625.5	121.5	105	65 h6	657	153	105	65 h6
25003	656.5	93	82	42 h6	698.5	-	-	-	730	-	-	-
25004	704.5	-	-	-	-	-	-	-	-	-	-	-



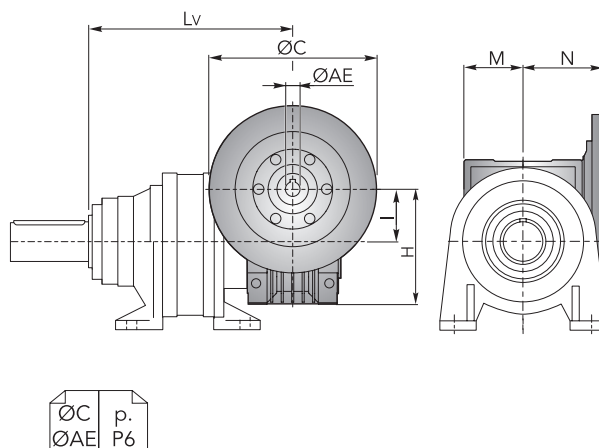


DIMENSIONI · DIMENSIONS

CHPL 25000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	689	50	110	60	80	698.5	63	135	72	95	677.5	75	161	86	112.5
25004	737	-	-	-	-	746.5	-	-	-	-	725.5	-	-	-	-

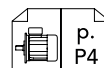
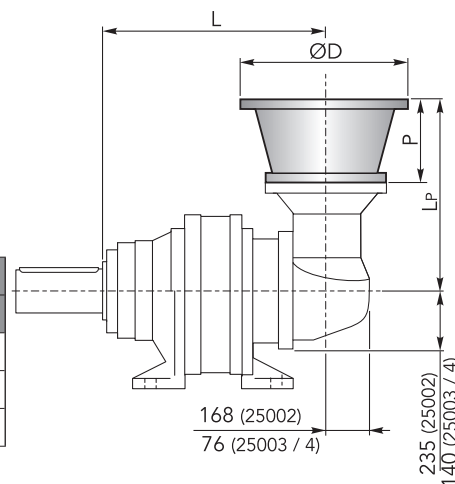
CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
25001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25002	-	-	-	-	-	642	110	237.5	127.5	160	649	130	277.5	147.5	180
25003	687.5	90	193	103	129.5	715	-	-	-	-	722	-	-	-	-
25004	735.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPLB 25000 CCPC - Flange motori IEC | *IEC Motor flanges*

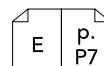
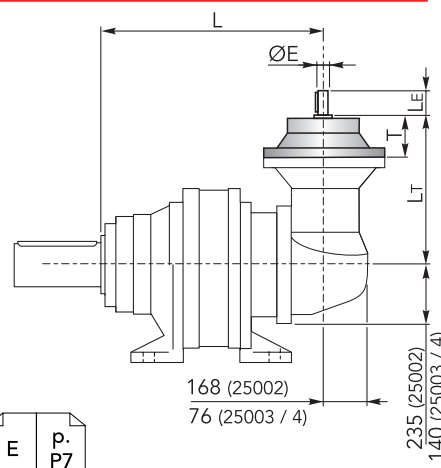
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25003	590	276	36	140	590	276	36	160	590	296	56	200	590	296	56	200	590	306	66	250
25004	663	-	-	-	663	-	-	-	663	-	-	-	663	-	-	-	663	-	-	-

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
25002	-	-	-	-	-	-	-	-	590	433	118	350	488	433	118	350	488	463	148	400
25003	590	306	66	250	590	340	100	300	663	379	139	350	590	379	139	350	-	-	-	-
25004	663	-	-	-	663	-	-	-	663	-	-	-	-	-	-	-	-	-	-	-

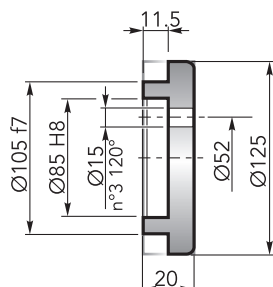
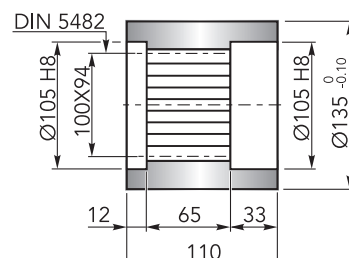
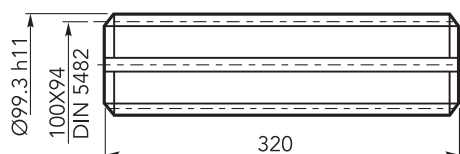
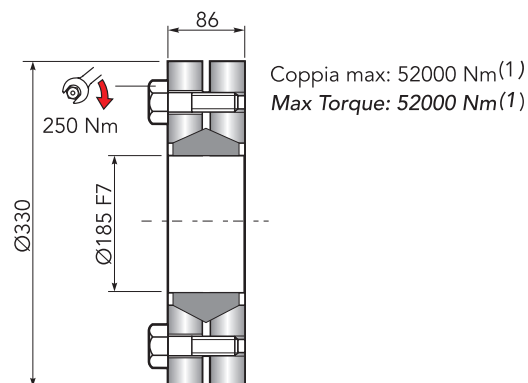


CHPLB 25000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
25002	-	-	-	-	-	590	436.5	-	-	-	590	468	-	-	-
25003	590	333	93	82	42 h6	663	377.5	121.5	105	65 h6	663	409	153	105	65 h6
25004	663	-	-	-	-	650	-	-	-	-	650	-	-	-	-

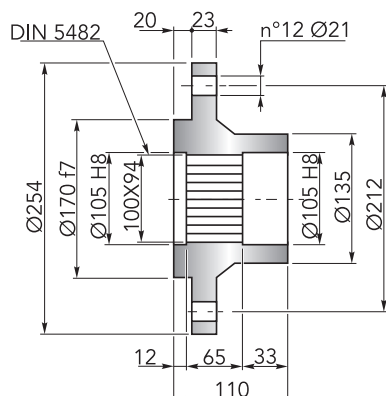


ACCESSORI · ACCESSORIES

CHFFFondello di arresto | *Stop bottom plate*Codice / Code:
1075.042.000**CHBS**Boccola scanalata | *Splined bushing*Codice / Code:
8171.112.041**CHKB**Barra scanalata | *Splined rod*Codice / Code:
3071.407.042**CHGA**Giunto di attrito | *Shrink disc*Codice / Code:
5109.185.000

(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

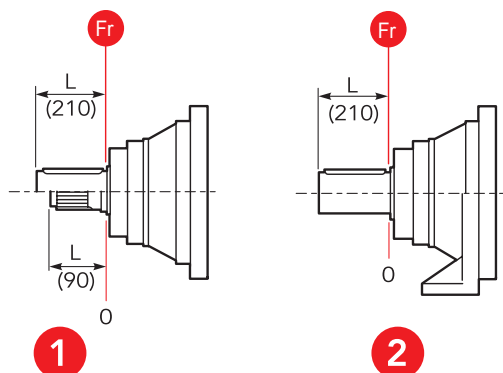
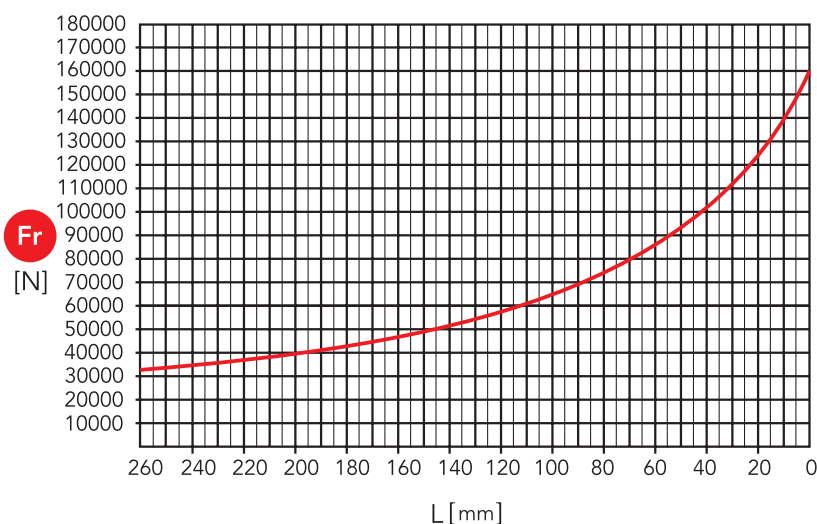
CHFLFlangia | *Flange*Codice / Code:
8171.104.098



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



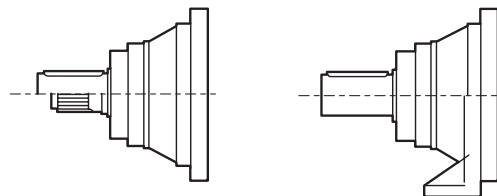
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

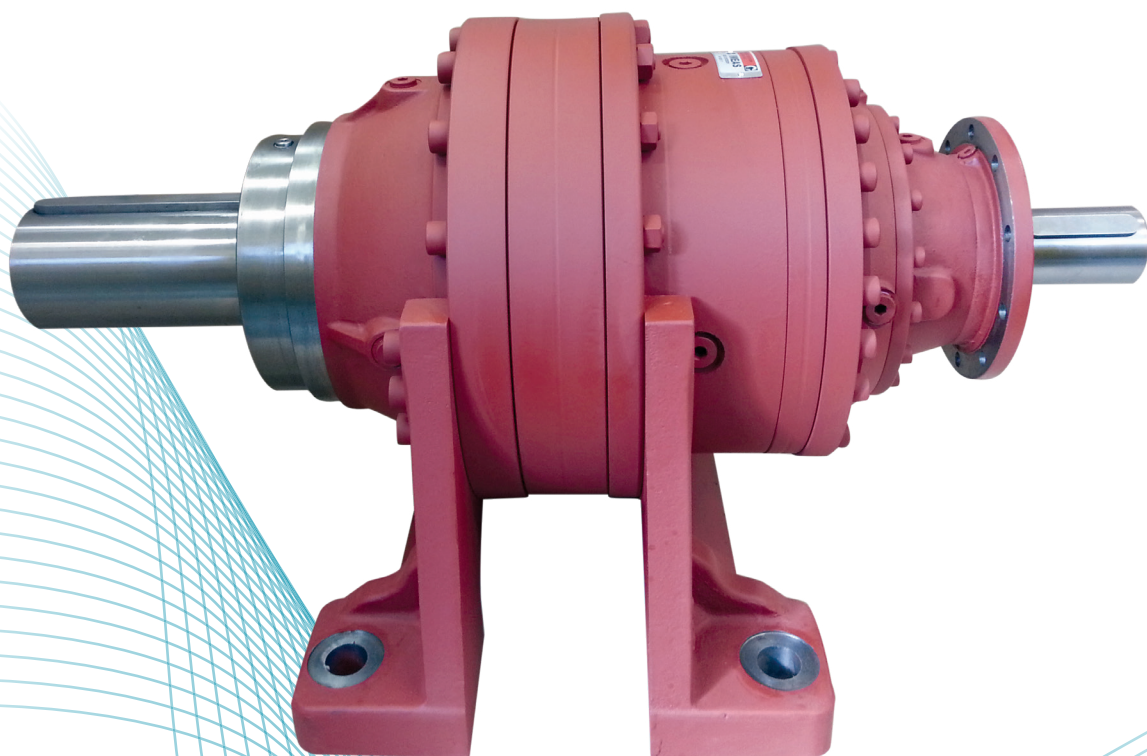
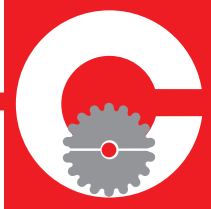
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa [N]	75000	75000	←
	95000	95000	→



- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC

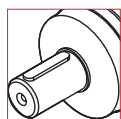




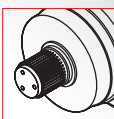
CHPL

	i	
30002	14.2 ÷ 35.1	2 reduction stages
30003	64.8 ÷ 134.4	3 reduction stages
30004	251.4 ÷ 1425.1	4 reduction stages

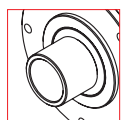
OUT



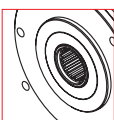
Ø110



100x94
DIN 5482

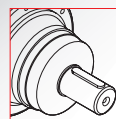


Ø135

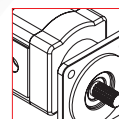


100x94
DIN 5482

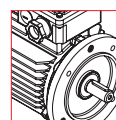
IN



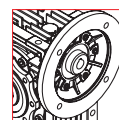
Ø42
Ø65



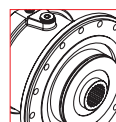
Hydraulic
Motor



Electric
Motor



Worm
gearboxes

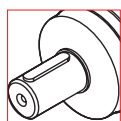


Brake

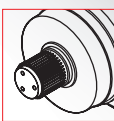
CHPLB

	i	
30003	52.7 ÷ 163.8	3 reduction stages
30004	306.0 ÷ 1385.5	4 reduction stages

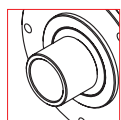
OUT



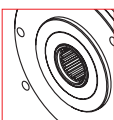
Ø110



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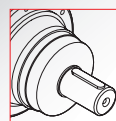


Ø135

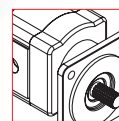


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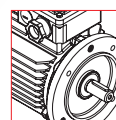
IN



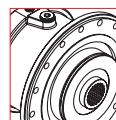
Ø42
Ø65



Hydraulic
Motor

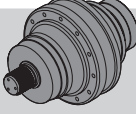
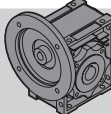
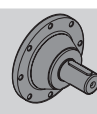


Electric
Motor



Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
30002	14.2	16236	180	62760	34	160 200	180	CHM 110 CHM 130 CHM 150	CM65 CP65
	17.1	17109	157.5	62760					
	22.4	18143	127.5	62760					
	29.1	13864	75	48520					
	35.1	15050	67.5	48520					
30003	64.8	20974	52.8	62760	23	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130 CHM 150	CM42 CM65 CP65
	73.5	21807	48.4	62760					
	88.6	22704	41.8	62760					
	102.9	23591	37.4	62760					
	124.3	23469	30.8	62760					
	134.4	23563	28.6	62760					
30004	251.4	26769	18	62760	17	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	300.9	26699	15	62760					
	314.9	27941	15	62760					
	328.5	29148	15	62760					
	362.7	28965	13.5	62760					
	379.6	26946	12	62760					
	396	28115	12	62760					
	427.1	29308	11.6	62760					
	477.3	30494	10.8	62760					
	517.4	30608	10	62760					
	576	31347	9.2	62760					
	623.7	30992	8.4	62760					
	694.3	31214	7.6	62760					
	752.6	32055	7.2	62760					
	838.9	33745	6.8	62760					
	1015.5	26431	4.4	48520					
	1425.1	26976	3.2	48520					

n_{1max} = 2800 rpm

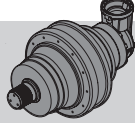
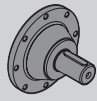
per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

Solo per / only for CHPL 30002 n_{1max} = 2000 rpm



DATI TECNICI · TECHNICAL DATA

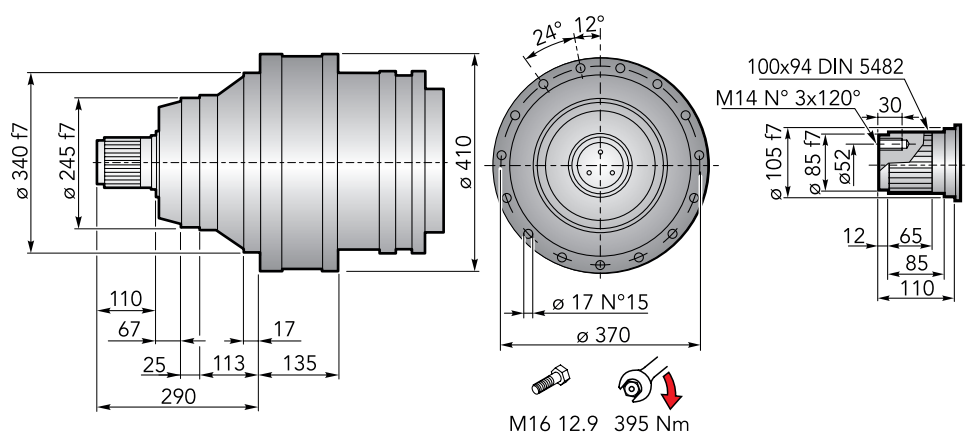
 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)	 CM/CP
30003	52.7	20611	63.8	62760	23	160 180	CM65 CP65
	66.4	21492	52.8	62760			
	80	22657	46.2	62760			
	104.5	22549	35.2	62760			
	135.9	18327	22	48520			
	163.8	19881	19.8	48520			
30004	306	28242	15	62760	17	63 71 80 90 100 112 132 160	CM42 CM65 CP65
	352.6	28242	13	62760			
	385	28242	12	62760			
	460.7	29433	10.8	62760			
	519.8	23369	7.6	48520			
	598.9	24091	6.8	48520			
	676.7	32024	8	62760			
	729.3	24159	5.6	48520			
	819.1	25196	5.2	48520			
	951.2	39340	4.8	48520			
	1385.5	29505	3.6	48520			

n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

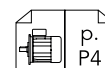
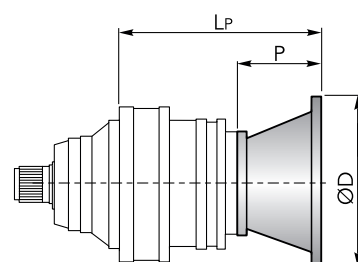
DIMENSIONI · DIMENSIONS

Accessori
Accessories

CHPL 30000 CMS - Flange motori IEC | IEC Motor flanges

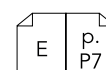
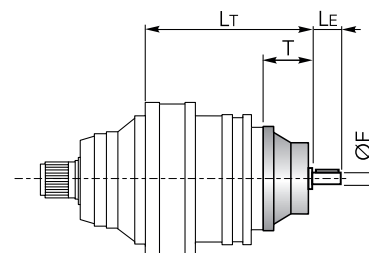
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
30002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30003	424.5	36	140	424.5	36	160	444.5	56	200	444.5	56	200	454.5	66	250
30004	485.5	-	-	485.5	-	-	505.5	-	-	505.5	-	-	515.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
30002	-	-	-	-	-	-	435	118	-	435	118	350	465	148	400
30003	454.5	66	250	488.5	100	300	527.5	139	350	527.5	139	350	-	-	-
30004	515.5	-	-	549.5	-	-	588.5	-	-	-	-	-	-	-	-



CHPL 30000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
30002	-	-	-	-	438.5	121.5	105	65 h6	470	153	105	65 h6
30003	481.5	93	82	42 h6	523.5	-	-	-	555	-	-	-
30004	542.5	-	-	-	-	-	-	-	-	-	-	-





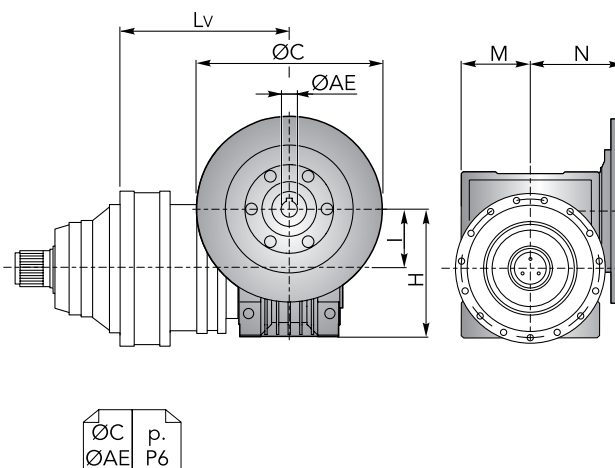
DIMENSIONI · DIMENSIONS

CHPL 30000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					-					-				
30003	514	50	110	60	80	523.5	63	135	72	95	502.5	75	161	86	112.5
30004	575					584.5					563.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					455	110	237.5	127.5	160	462	130	277.5	147.5	180
30003	512.5	90	193	103	129.5	540					547				
30004	573.5					-					-				

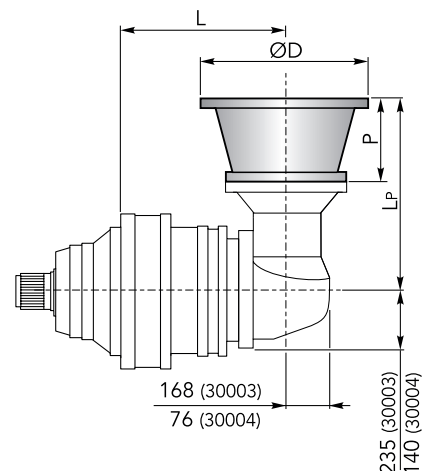
CHPL	CHM 150				
	Lv	I	H	M	N
30002	477	150	320	170	210
30003	562				
30004	-				



CHPLB 30000 CMS - Flange motori IEC | *IEC Motor flanges*

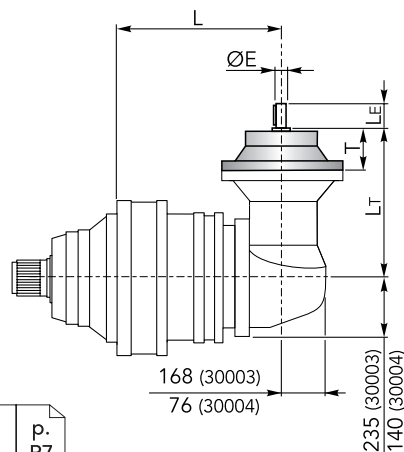
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
30003	-				-				-				-			
30004	490	276	36	140	490	276	36	160	490	296	56	200	490	296	56	200

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
30003	-				-				-				452	433	118	350	452	433	118	350
30004	490	306	66	250	490	306	66	250	490	340	100	300	490	379	139		-			

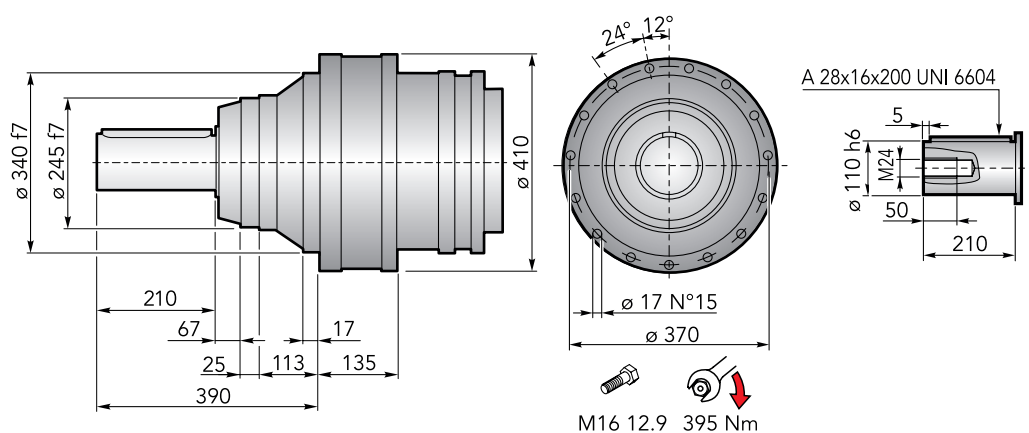


CHPLB 30000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
30003	-					452	436.5	121.5	105	65 h6	452	468	153	105	65 h6
30004	490	333	93	82	42 h6	490	377.5				490	409			



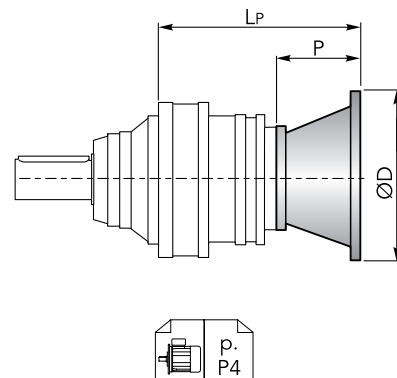
DIMENSIONI · DIMENSIONS



CHPL 30000 CMC - Flange motori IEC | IEC Motor flanges

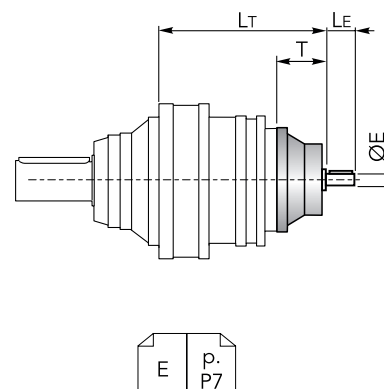
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
30002	-			-			-			-			-		
30003	424.5	36	140	424.5	36	160	444.5	56	200	444.5	56	200	454.5	66	250
30004	485.5			485.5			505.5			505.5					

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP			LP	P	ØD	LP	P	ØD
30002	-			-			435	118	350	435	118	350	465	148	400
30003	454.5	66	250	488.5	100	300	527.5	139		527.5	139		-		
30004	515.5			549.5			588.5			-	-				



CHPL 30000 CMC - Alberi maschi entrata | *Male input shafts*

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
30002	-				438.5	121.5	105	65 h6	470	153	105	65 h6
30003	481.5	93	82	42 h6	523.5				555			
30004	542.5				-				-			





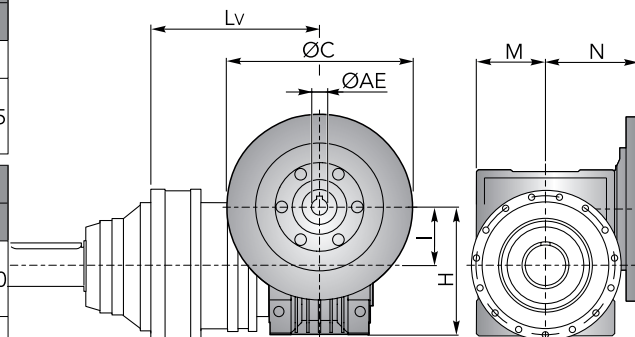
DIMENSIONI · DIMENSIONS

CHPL 30000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					-					-				
30003	514	50	110	60	80	523.5	63	135	72	95	502.5	75	161	86	112.5
30004	575					584.5					563.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					455	110	237.5	127.5	160	462	130	277.5	147.5	180
30003	512.5	90	193	103	129.5	540					547				
30004	573.5					-					-				

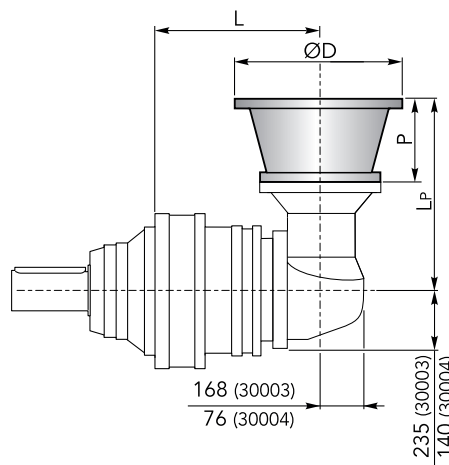
CHPL	CHM 150				
	Lv	I	H	M	N
30002	477	150	320	170	210
30003	562				
30004	-				



CHPLB 30000 CMC - Flange motori IEC | *IEC Motor flanges*

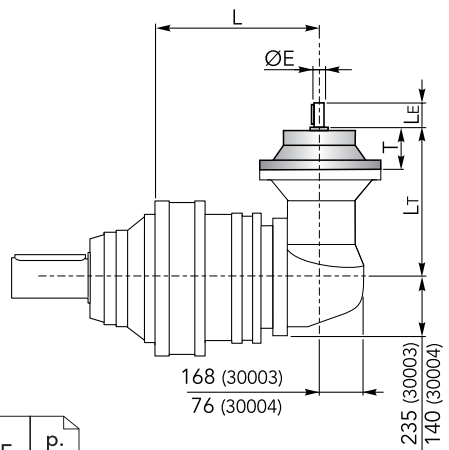
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
30003	-				-				-				-			
30004	490	276	36	140	490	276	36	160	490	296	56	200	490	296	56	200

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
30003	-				-				-				452	433	118	350	452	433	118	350
30004	490	306	66	250	490	306	66	250	490	340	100	300	490	379	139		-			

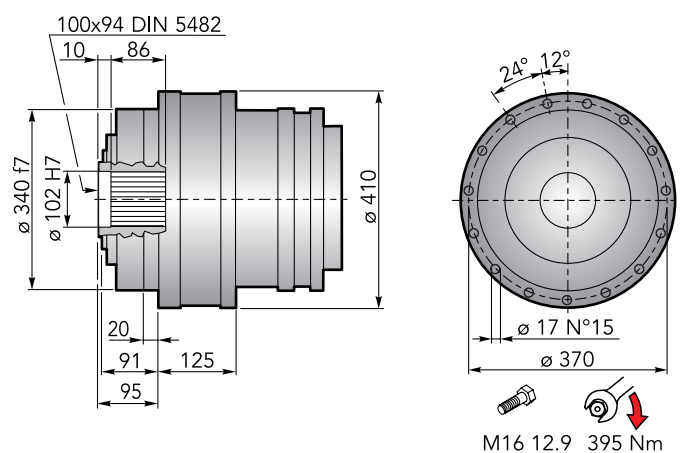


CHPLB 30000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
30003	-					452	436.5	121.5	105	65 h6	452	468	153	105	65 h6
30004	490	333	93	82	42 h6	490	377.5				490	409			



DIMENSIONI · DIMENSIONS



Accessori
Accessories

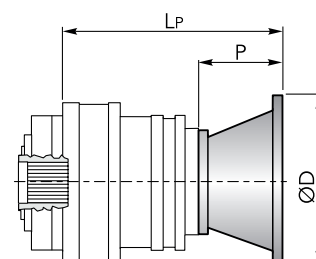
CHKB

p.
M14

CHPL 30000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
30002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30003	414.5	36	140	414.5	36	160	434.5	56	200	434.5	56	200	444.5	66	250
30004	475.5	-	-	475.5	-	-	495.5	-	-	495.5	-	-	505.5	-	-

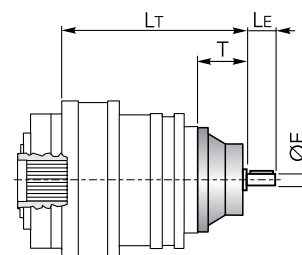
CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
30002	-	-	-	-	-	-	425	118	-	425	118	350	455	148	400
30003	444.5	66	250	478.5	100	300	517.5	139	350	517.5	139	350	-	-	-
30004	505.5	-	-	539.5	-	-	578.5	-	-	-	-	-	-	-	-



p.
P4

CHPL 30000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
30002	-	-	-	-	428.5	121.5	105	65 h6	460	153	105	65 h6
30003	471.5	93	82	42 h6	513.5	-	-	-	545	-	-	-
30004	532.5	-	-	-	-	-	-	-	-	-	-	-



E
p.
P7



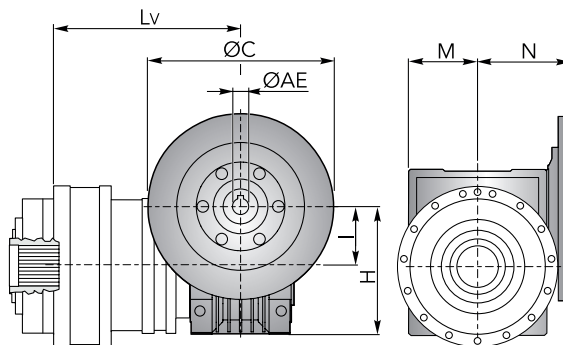
DIMENSIONI · DIMENSIONS

CHPL 30000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					-					-				
30003	504	50	110	60	80	513.5	63	135	72	95	492.5	75	161	86	112.5
30004	565					574.5					553.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					445					452				
30003	502.5	90	193	103	129.5	530	110	237.5	127.5	160	537	130	277.5	147.5	180
30004	563.5					-					-				

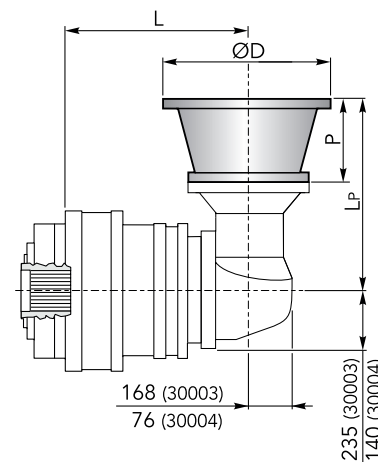
CHPL	CHM 150				
	Lv	I	H	M	N
30002	467				
30003	552	150	320	170	210
30004	-				



CHPLB 30000 CF - Flange motori IEC | *IEC Motor flanges*

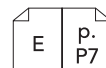
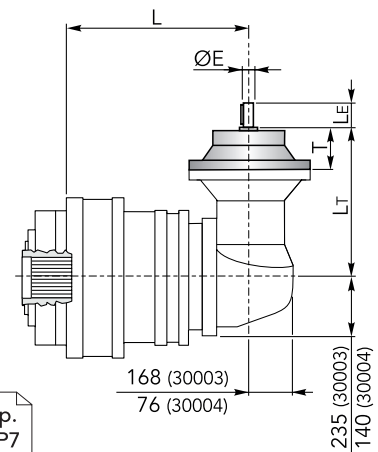
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				-			
30004	480	276	36	140	480	276	36	160	480	296	56	200	480	296	56	200

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				442	433	118	350	442	433	118	350
30004	480	306	66	250	480	306	66	250	480	340	100	300	480	379	139		-			



CHPLB 30000 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
30003	-					442	436.5	121.5	105	65 h6	442	468	153	105	65 h6
30004	480	333	93	82	42 h6	480	377.5				480	409			





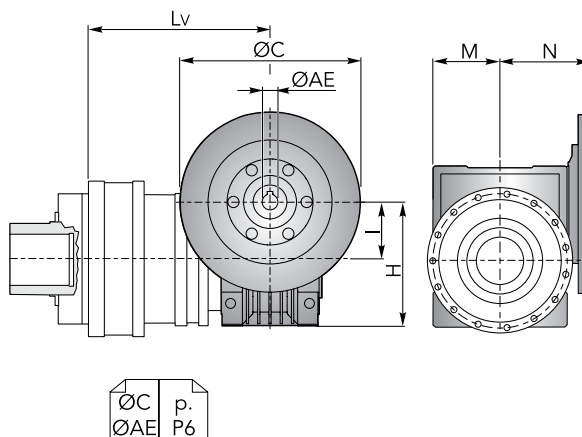
DIMENSIONI · DIMENSIONS

CHPL 30000 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					-					-				
30003	504	50	110	60	80	513.5	63	135	72	95	492.5	75	161	86	112.5
30004	565					574.5					553.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					445	110	237.5	127.5	160	452	130	277.5	147.5	180
30003	502.5	90	193	103	129.5	530					537				
30004	563.5					-					-				

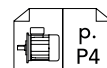
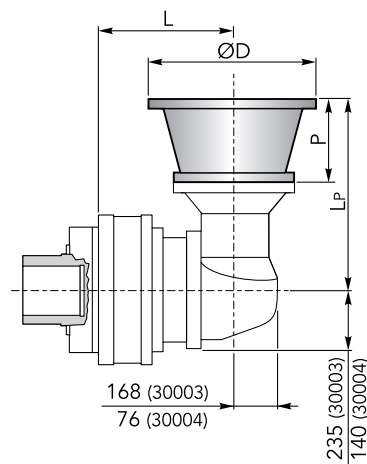
CHPL	CHM 150				
	Lv	I	H	M	N
30002	467	150	320	170	210
30003	552				
30004	-				



CHPLB 30000 CFS - Flange motori IEC | IEC Motor flanges

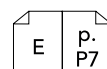
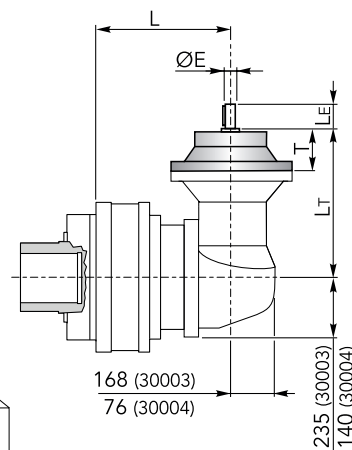
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				-			
30004	480	276	36	140	480	276	36	160	480	296	56	200	480	296	56	200

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				442	433	118	350	442	433	118	350
30004	480	306	66	250	480	306	66	250	480	340	100	300	480	379	139		-			

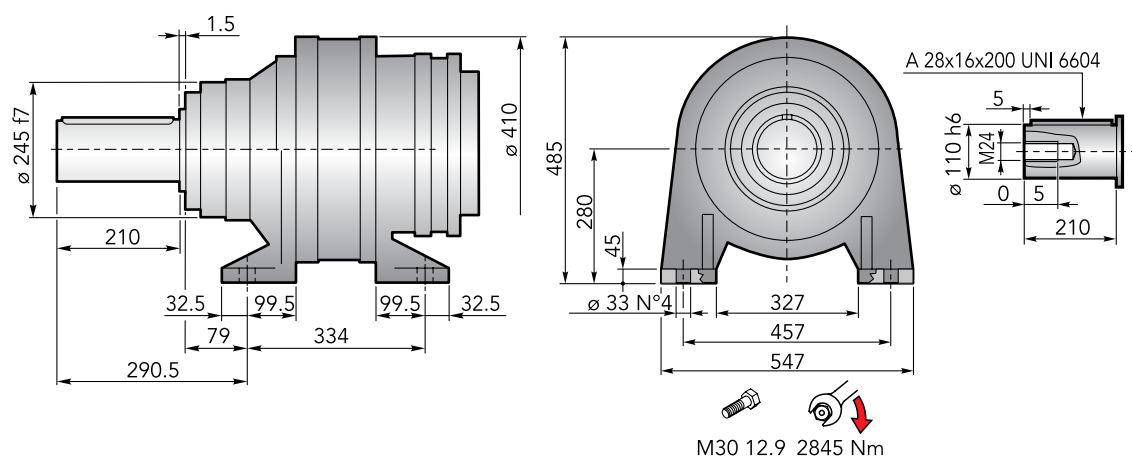


CHPLB 30000 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
30003	-					442	436.5	121.5	105	65 h6	442	468	153	105	65 h6
30004	480	333	93	82	42 h6	480	377.5				480	409			



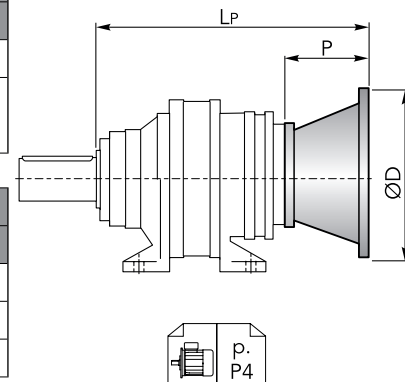
DIMENSIONI · DIMENSIONS



CHPL 30000 CCPC - Flange motori IEC | IEC Motor flanges

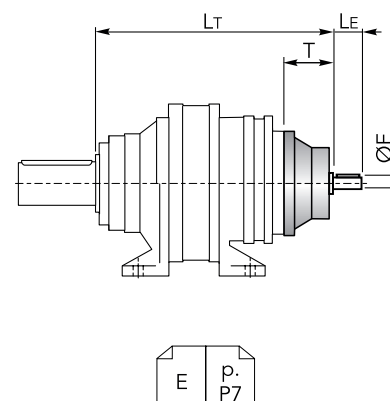
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
30002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30003	604.5	36	140	604.5	36	160	624.5	56	200	624.5	56	200	634.5	66	250
30004	665.5	-	-	665.5	-	-	685.5	-	-	685.5	-	-	695.5	-	-

CHPL	IEC 112			IEC 132			IEC 160			IEC 180			IEC 200		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
30002	-	-	-	-	-	-	615	118	-	615	118	350	645	148	400
30003	634.5	66	250	668.5	100	300	707.5	139	350	707.5	139	350	-	-	-
30004	695.5	-	-	729.5	-	-	768.5	-	-	-	-	-	-	-	-



CHPL 30000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
30002	-	-	-	-	618.5	121.5	105	65 h6	650	153	105	65 h6
30003	661.5	93	82	42 h6	703.5	-	-	-	735	-	-	-
30004	722.5	-	-	-	-	-	-	-	-	-	-	-





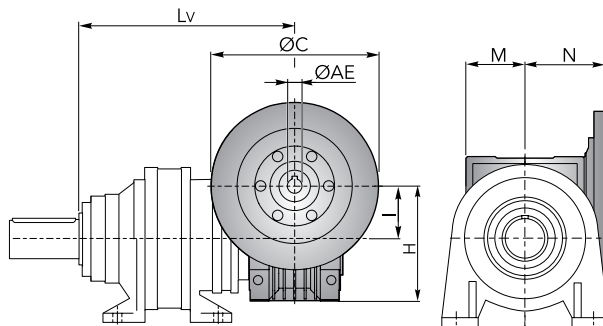
DIMENSIONI · DIMENSIONS

CHPL 30000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					-					-				
30003	694	50	110	60	80	703.5	63	135	72	95	682.5	75	161	86	112.5
30004	755					764.5					743.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
30002	-					635					642				
30003	692.5	90	193	103	129.5	720	110	237.5	127.5	160	727	130	277.5	147.5	180
30004	753.5					-					-				

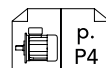
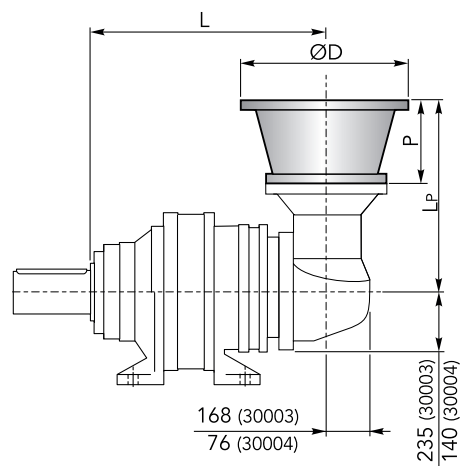
CHPL	CHM 150				
	Lv	I	H	M	N
30002	657				
30003	742	150	320	170	210
30004	-				



CHPLB 30000 CCPC - Flange motori IEC | *IEC Motor flanges*

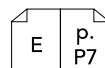
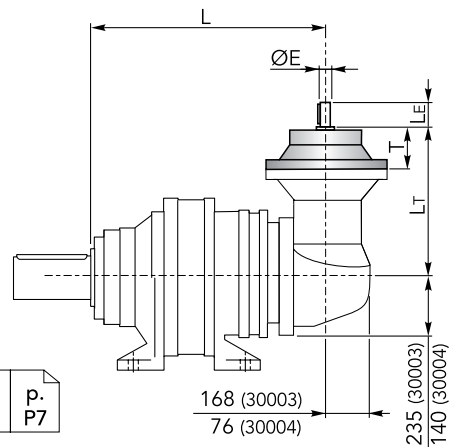
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				-			
30004	670	276	36	140	670	276	36	160	670	296	56	200	670	296	56	200

CHPLB	IEC 100				IEC 112				IEC 132				IEC 160				IEC 180			
	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD	L	LP	P	ØD
30003	-				-				-				632	433	118	350	632	433	118	350
30004	670	306	66	250	670	306	66	250	670	340	100	300	670	379	139		-			



CHPLB 30000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	LT	T	LE	ØE	L	LT	T	LE	ØE	L	LT	T	LE	ØE
30003	-					632	436.5	121.5	105	65 h6	632	468	153	105	65 h6
30004	670	333	93	82	42 h6	670	377.5				670	409			





Technical drawing of a shaft-hub assembly. The drawing shows a shaft with a diameter of $\varnothing 105 \text{ H8}$ and a length of 100×94 mm. The shaft is inserted into a hub with a diameter of $\varnothing 135_{-0.10}^0$ and a length of 105 H8 . The shaft has a central section with a diameter of $\varnothing 105 \text{ H8}$ and a length of 65 mm. The hub has a central section with a diameter of $\varnothing 135_{-0.10}^0$ and a length of 33 mm. The total length of the assembly is 110 mm. The drawing is labeled **DIN 5482**.



Coppia max: 52000 Nm⁽¹⁾
Max Torque: 52000 Nm⁽¹⁾



Technical drawing of a DIN 5482 nut. The drawing shows a cross-section of the nut with the following dimensions and features:

- Overall height: $\varnothing 254$
- Height of the upper section: $\varnothing 170 \pm 7$
- Height of the lower section: $\varnothing 135$
- Outer diameter of the upper section: $\varnothing 105 \text{ H8}$
- Outer diameter of the lower section: $\varnothing 212$
- Threaded section: 100×94
- Thread specification: $\text{n}^\circ 12 \varnothing 21$
- Dimensions of the upper section: 20, 23, 12, 65, 33, 110
- Reference: DIN 5482

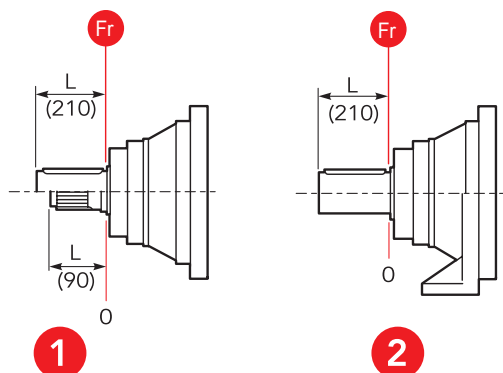
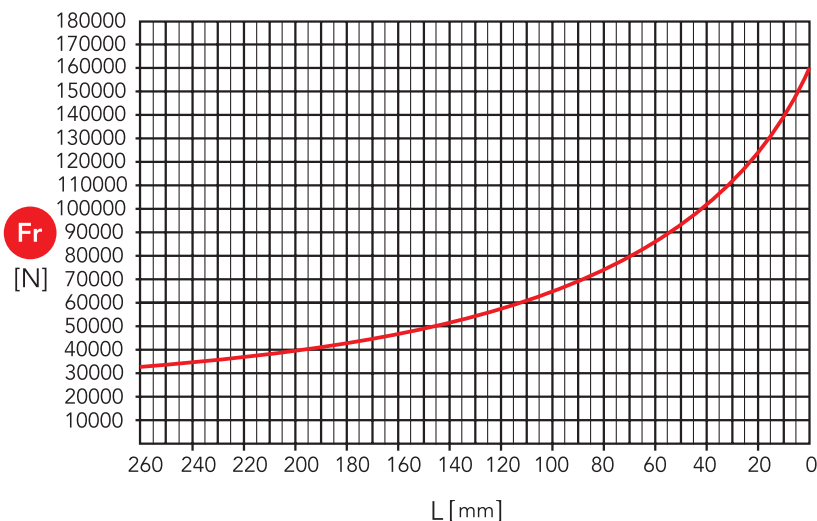
www.chiaravalli.com



CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



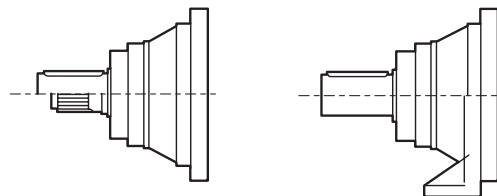
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

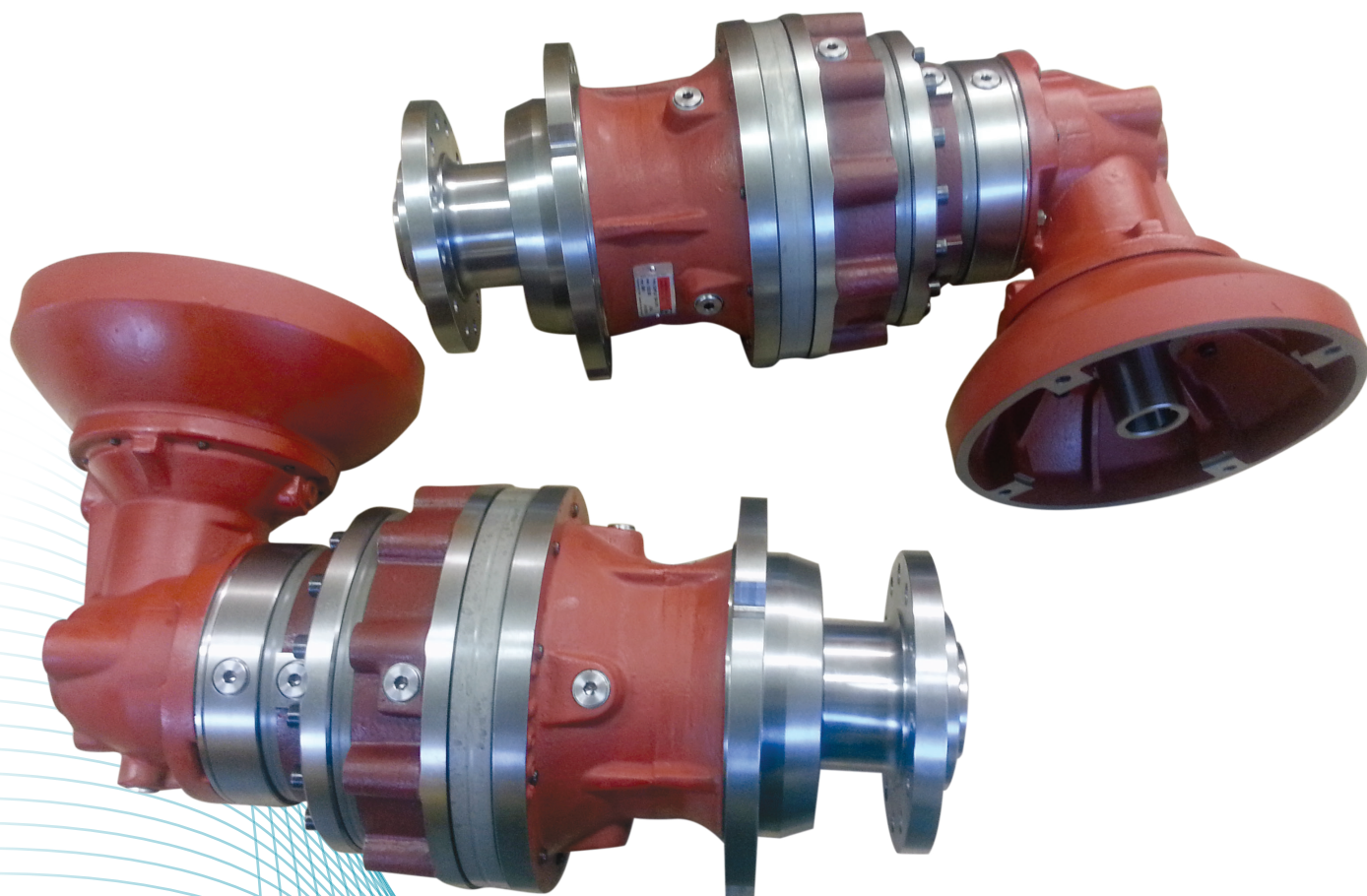
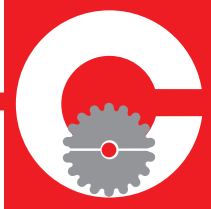
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa	75000	75000	←
[N]	95000	95000	→

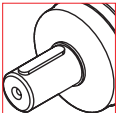
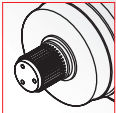
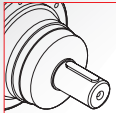
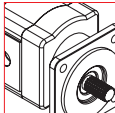
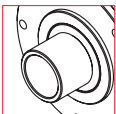
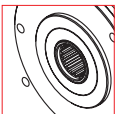
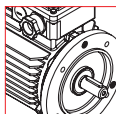
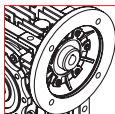
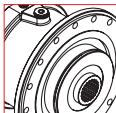


- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC

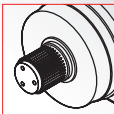
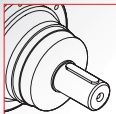
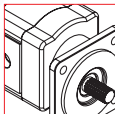
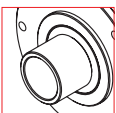
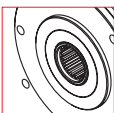
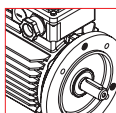
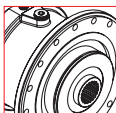




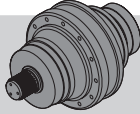
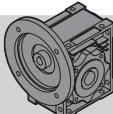
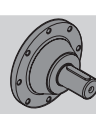
CHPL

	i		OUT	IN
35001	4.00 ÷ 4.71	1 reduction stage	 Ø120  W120x3x38x8f DIN 5480	 Ø42 Ø65  Hydraulic Motor
35002	14.2 ÷ 27.0	2 reduction stages	 Ø135  N120x5x22x9H DIN 5480	 Electric Motor  Worm gearboxes
35003	53.7 ÷ 230.3	3 reduction stages		
35004	191.0 ÷ 1289.7	4 reduction stages		 Brake

CHPLB

	i		OUT	IN
35002	12.3 ÷ 22.0	2 reduction stages	 Ø120  W120x3x38x8f DIN 5480	 Ø42 Ø65  Hydraulic Motor
35003	43.7 ÷ 123.0	3 reduction stages	 Ø135  N120x5x22x9H DIN 5480	 Electric Motor
35004	185.6 ÷ 1253.8	4 reduction stages		 Brake

DATI TECNICI · TECHNICAL DATA

 CHPL	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)		 CHM	 CM/CP
35001	4	16065	607	63112	54	160	180	-	-
	4.71	13692	440	53790		200	225		
35002	14.2	20295	225	63112	34	160 200	180	CHM 110 CHM 130 CHM 150	CM65 CP65
	17.1	20530	189	63112					
	20.2	18477	144	53790					
	22.4	21771	153	63112					
	27	18524	108	53790					
35003	53.7	23701	72	63112	23	63 80 100 132 180	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90 CHM 110 CHM 130 CHM 150	CM42 CM65 CP65
	58.7	25908	72	63112					
	64.8	25343	63.8	63112					
	70.7	25745	59.4	63112					
	83.2	22440	44	53790					
	88.6	27483	50.6	63112					
	99.6	24178	39.6	53790					
	108.7	23455	35.2	53790					
	121	24496	35.2	53790					
	136.2	25716	30.8	53790					
	158.1	25586	26.4	53790					
	164.1	26556	26.4	53790					
	191.1	25772	22	53790					
	230.3	27953	19.8	53790					
35004	191	30507	27	63112	17	63 80 100 132	71 90 112 160	CHM 50 CHM 63 CHM 75 CHM 90	CM42
	208.6	31466	25.5	63112					
	230.3	32696	24	63112					
	251.4	35692	22.5	63112					
	277.5	32010	19.5	63112					
	303.1	34963	19.5	63112					
	328.5	34978	18	63112					
	362.7	35402	16.5	63112					
	379.6	33682	15	63112					
	437.1	34906	13.5	63112					
	496	35209	12	63112					
	583.5	31757	9.2	53790					
	677.7	32070	8	53790					
	703.4	33288	8	53790					
	762.5	34280	7.6	53790					
	816.8	34789	7.2	53790					
	987	35031	6	53790					
	1067.3	35356	5.6	53790					
	1289.7	36619	4.8	53790					

n_{1max} = 2800 rpm

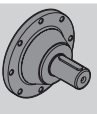
per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

Solo per / only for CHPL 35001 n_{1max} = 1500 rpmSolo per / only for CHPL 35002 n_{1max} = 2000 rpm



DATI TECNICI · TECHNICAL DATA

 CHPLB	i	T _{2n} (n ₁ = 1400 rpm) 10.000h FS=1 [Nm]	P _{1n} (n ₁ = 1400 rpm) 10.000h FS=1 [kW]	T ₂ Max [Nm]	P _t 1400 rpm [kW]	IEC (B5)	 CM
35002	12.3	18987	243	63112	34	160 180 200	CM65 CP65
	14.5	17409	189	53790			
	18.7	20313	171	63112			
	22	18867	135	53790			
35003	43.7	24109	90	63112	23	160 180	CM65 CP65
	52.7	26167	81	63112			
	66.4	25602	62.9	63112			
	80	27218	55.5	63112			
	94.1	23478	40.7	53790			
	123	25108	33.3	53790			
35004	185.6	31401	28.6	63112	17	63 71 80 90 100 112 132 160	CM42 CM65 CP65
	202.7	31655	26.4	63112			
	223.7	32024	24.2	63112			
	244.3	31793	22	63112			
	292.5	34260	19.8	63112			
	319.4	33253	17.6	63112			
	352.6	36710	17.6	63112			
	385	35619	15.7	63112			
	414.8	29347	12	53790			
	452.9	29578	11.1	53790			
	542	32447	10.2	53790			
	591.8	32207	9.2	53790			
	658.8	32268	8.3	53790			
	741.3	32275	7.4	53790			
	860.9	33611	6.6	53790			
	1037.7	37138	6.1	53790			
	1253.8	36713	5	53790			

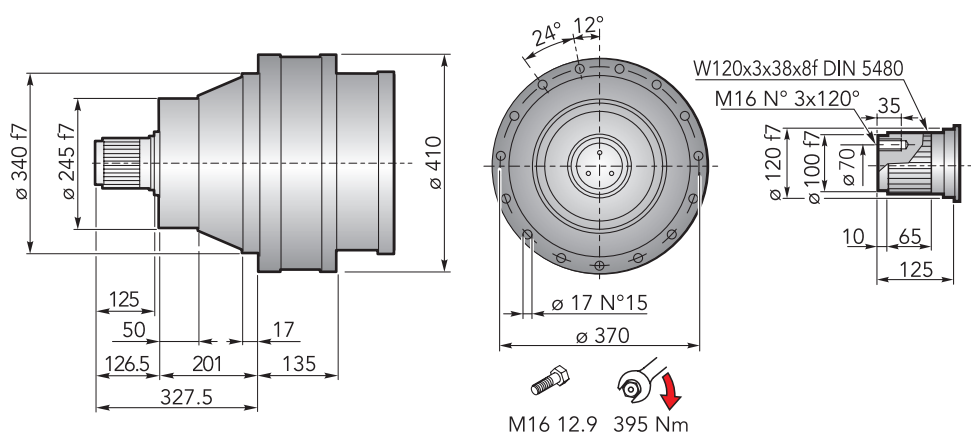
n_{1max} = 2800 rpm

per ulteriori rapporti consultare l'ufficio tecnico

for information consult the technical office

Solo per / only for CHPLB 35002 n_{1max} = 2000 rpm

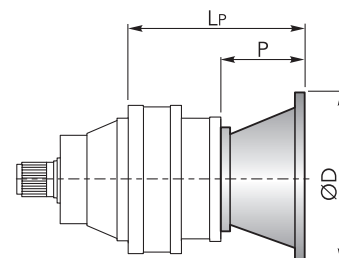
DIMENSIONI · DIMENSIONS

Accessori
Accessories

CHPL 35000 CMS - Flange motori IEC | IEC Motor flanges

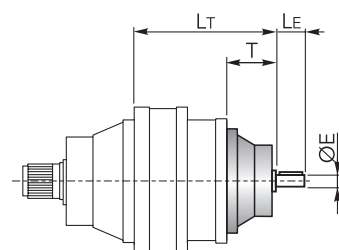
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-			-			-			-			-			-		
35002	-			-			-			-			-			-		
35003	424.5	36	140	424.5	36	160	444.5	56	200	444.5	56	200	454.5	66	250	454.5	66	250
35004	485.5			485.5			505.5			505.5			515.5			515.5		

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	LP	P	ØD	LP			LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-			380	150	350	380	150	350	380	150	400	369	139	450	369	139	550
35002	-			435	118		435	118		465	148		-			-		
35003	488.5	100	300	527.5	139		527.5	139	-			-			-			
35004	549.5			588.5			-			-			-			-		



CHPL 35000 CMS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
35001	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	438.5	121.5	105	65 h6	470	153	105	65 h6
35003	481.5	93	82	42 h6	523.5	121.5	105	65 h6	555	153	105	65 h6
35004	542.5				-				-			





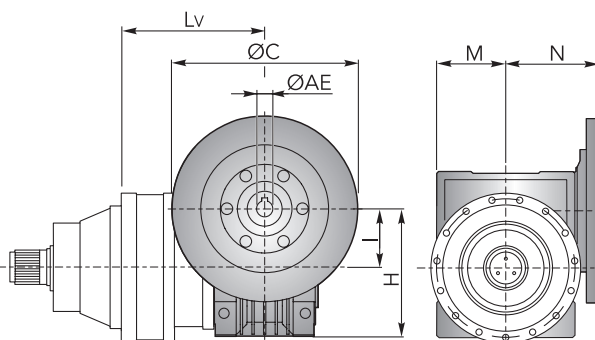
DIMENSIONI · DIMENSIONS

CHPL 35000 CMS - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					-					-				
35003	514	50	110	60	80	523.5	63	135	72	95	502.5	75	161	86	112.5
35004	575					584.5					563.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					455	110	237.5	127.5	160	462	130	277.5	147.5	180
35003	512.5	90	193	103	129.5	540					547				
35004	573.5					-					-				

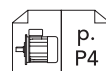
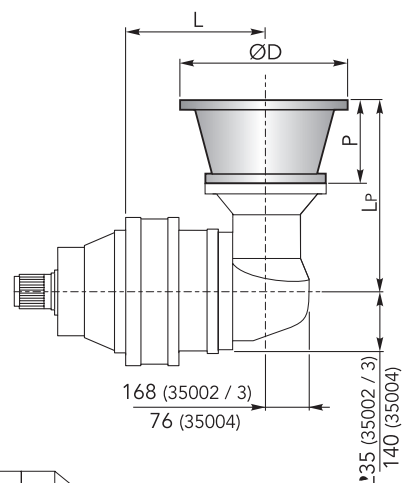
CHPL	CHM 150				
	Lv	I	H	M	N
35001	-				
35002	477	150	320	170	210
35003	562				
35004	-				



CHPLB 35000 CMS - Flange motori IEC | *IEC Motor flanges*

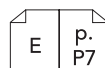
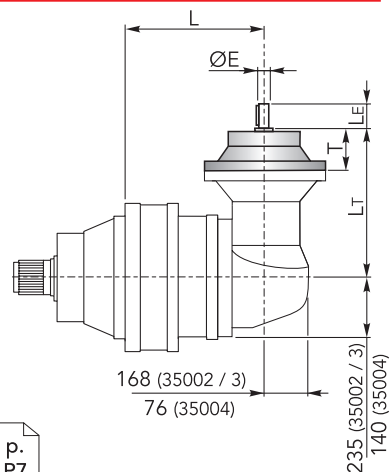
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				-				-				-			
35003	-				-				-				-				-			
35004	490	276	36	140	490	276	36	160	490	296	56	200	490	296	56	200	490	306	66	250

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				295	433	118	350	295	433	118	350	295	463	148	400
35003	-				-				452				452				-			
35004	490	306	66	250	490	340	66	300	490	379	139		-				-			

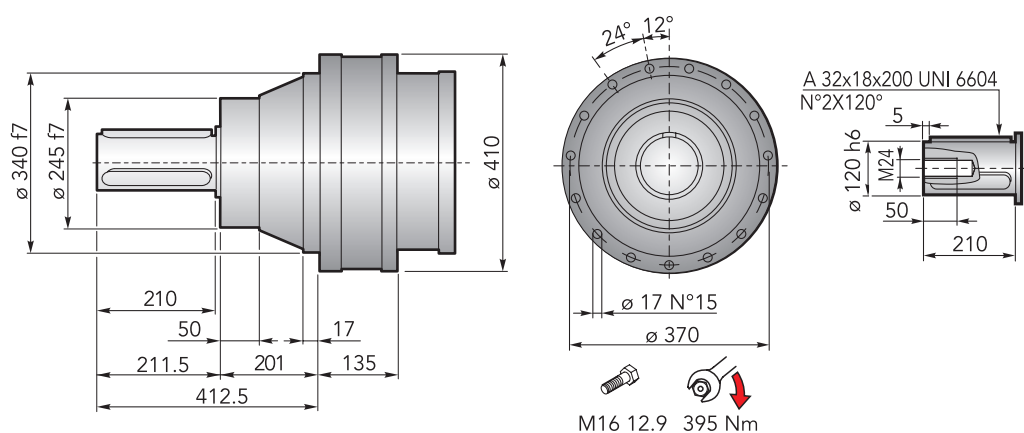


CHPLB 35000 CMS - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
35002	-					295	436.5				295	468			
35003	-					452		121.5	105	65 h6	452		153	105	65 h6
35004	490	333	93	82	42 h6	490	377.5				490	409			



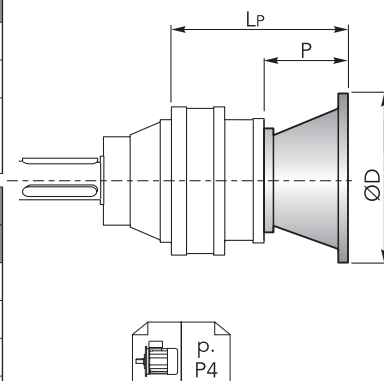
DIMENSIONI · DIMENSIONS



CHPL 35000 CMC - Flange motori IEC | IEC Motor flanges

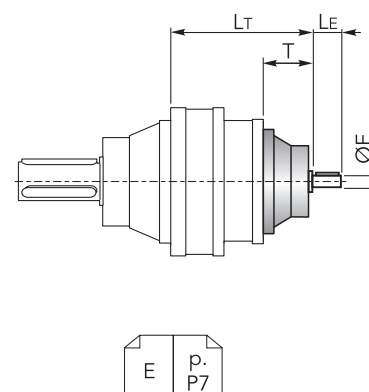
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-			-			-			-			-			-		
35002	-			-			-			-			-			-		
35003	424.5	36	140	424.5	36	160	444.5	56	200	444.5	56	200	454.5	66	250	454.5	66	250
35004	485.5			485.5			505.5			505.5			515.5			515.5		

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250			
	LP	P	ØD	LP			LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	
35001	-			380	150	350	380	150	350	380	150	400	369	139	450	369	139	550	
35002	-			435	118		435	118		465	148		-			-			
35003	488.5	100	300	527.5	139		527.5	139		-			-			-			
35004	549.5			588.5			-			-			-			-			



CHPL 35000 CMC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
35001	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	438.5	121.5	105	65 h6	470	153	105	65 h6
35003	481.5	93	82	42 h6	523.5	121.5	105	65 h6	555	153	105	65 h6
35004	542.5				-				-			





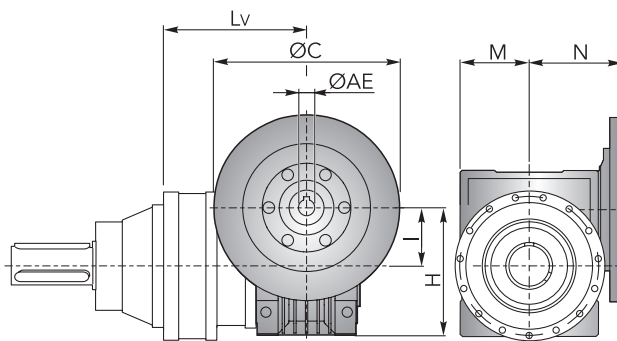
DIMENSIONI · DIMENSIONS

CHPL 35000 CMC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					-					-				
35003	514	50	110	60	80	523.5	63	135	72	95	502.5	75	161	86	112.5
35004	575					584.5					563.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					455	110	237.5	127.5	160	462	130	277.5	147.5	180
35003	512.5	90	193	103	129.5	540					547				
35004	573.5					-					-				

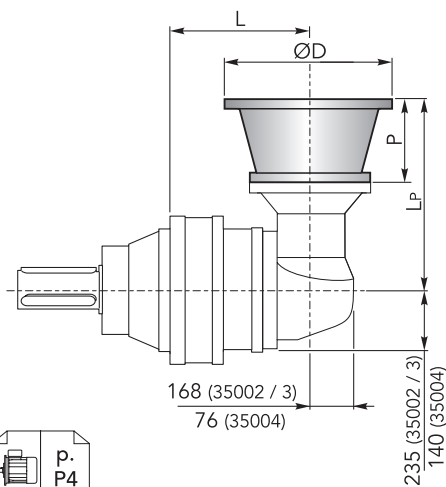
CHPL	CHM 150				
	Lv	I	H	M	N
35001	-				
35002	477	150	320	170	210
35003	562				
35004	-				



CHPLB 35000 CMC - Flange motori IEC | *IEC Motor flanges*

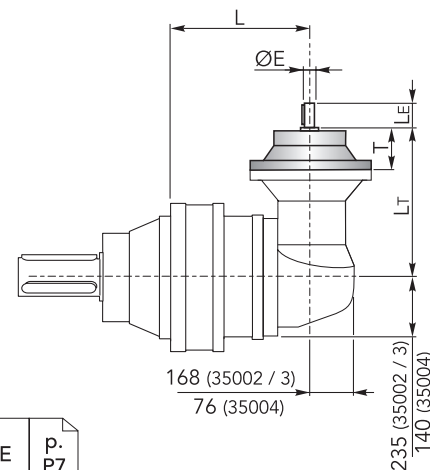
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				-				-				-			
35003	-				-				-				-				-			
35004	490	276	36	140	490	276	36	160	490	296	56	200	490	296	56	200	490	306	66	250

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				295	433	118	350	295	433	118	350	295	463	148	400
35003	-				-				452				452				-			
35004	490	306	66	250	490	340	66	300	490	379	139		-				-			

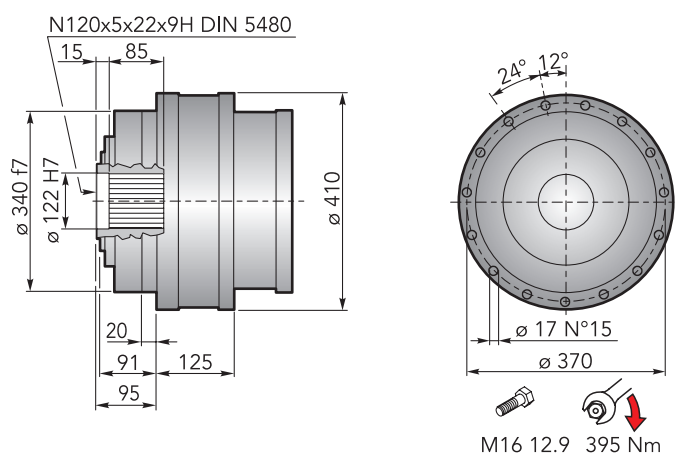


CHPLB 35000 CMC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
35002	-					295	436.5				295	468			
35003	-					452		121.5	105	65 h6	452		153	105	65 h6
35004	490	333	93	82	42 h6	490	377.5				490	409			



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Accessories

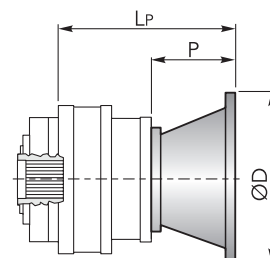
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N14

CHPL 35000 CF - Flange motori IEC | IEC Motor flanges

CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
35001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35003	414.5	36	140	414.5	36	160	434.5	56	200	434.5	56	200	444.5	66	250	444.5	66	250
35004	475.5	-	-	475.5	-	-	495.5	-	-	495.5	-	-	505.5	-	-	505.5	-	-

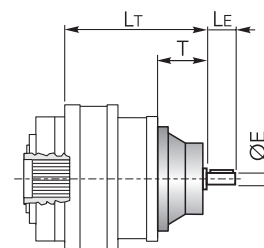
CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD	L _P	P	ØD
35001	-	-	-	370	150	-	370	150	-	370	150	400	359	139	450	359	139	550
35002	-	-	-	425	118	-	425	118	350	455	148	-	-	-	-	-	-	-
35003	478.5	100	300	517.5	139	350	517.5	139	-	-	-	-	-	-	-	-	-	-
35004	539.5	-	-	578.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



p.
P4

CHPL 35000 CF - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	L _T	T	L _E	ØE	L _T	T	L _E	ØE	L _T	T	L _E	ØE
35001	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	428.5	121.5	105	65 h6	460	153	105	65 h6
35003	471.5	93	82	42 h6	513.5	-	-	-	545	-	-	-
35004	532.5	-	-	-	-	-	-	-	-	-	-	-



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p.
P7



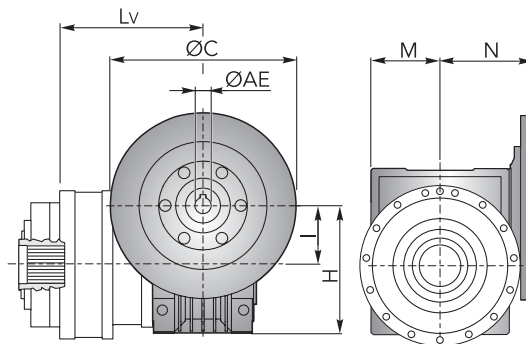
DIMENSIONI · DIMENSIONS

CHPL 35000 CF - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					-					-				
35003	504	50	110	60	80	513.5	63	135	72	95	492.5	75	161	86	112.5
35004	565					574.5					553.5				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					445	110	237.5	127.5	160	452	130	277.5	147.5	180
35003	502.5	90	193	103	129.5	530					537				
35004	563.5					-					-				

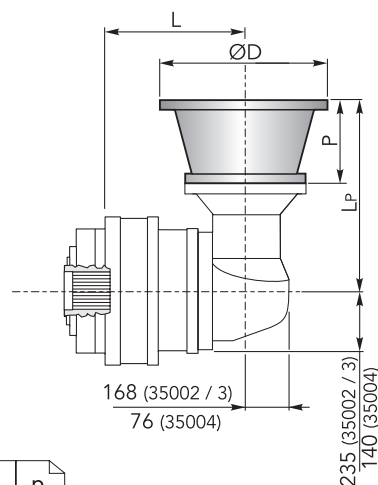
CHPL	CHM 150				
	Lv	I	H	M	N
35001	-				
35002	467	150	320	170	210
35003	552				
35004	-				



CHPLB 35000 CF - Flange motori IEC | *IEC Motor flanges*

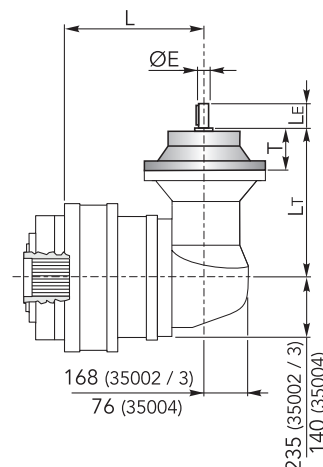
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				-				-				-			
35003	-				-				-				-				-			
35004	480	276	36	140	480	276	36	160	480	296	56	200	480	296	56	200	480	306	66	250

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				285	433	118		285	433	118	350	285	463	148	400
35003	-				-				442				442				-			
35004	480	306	66	250	480	340	66	300	480	379	139		-				-			

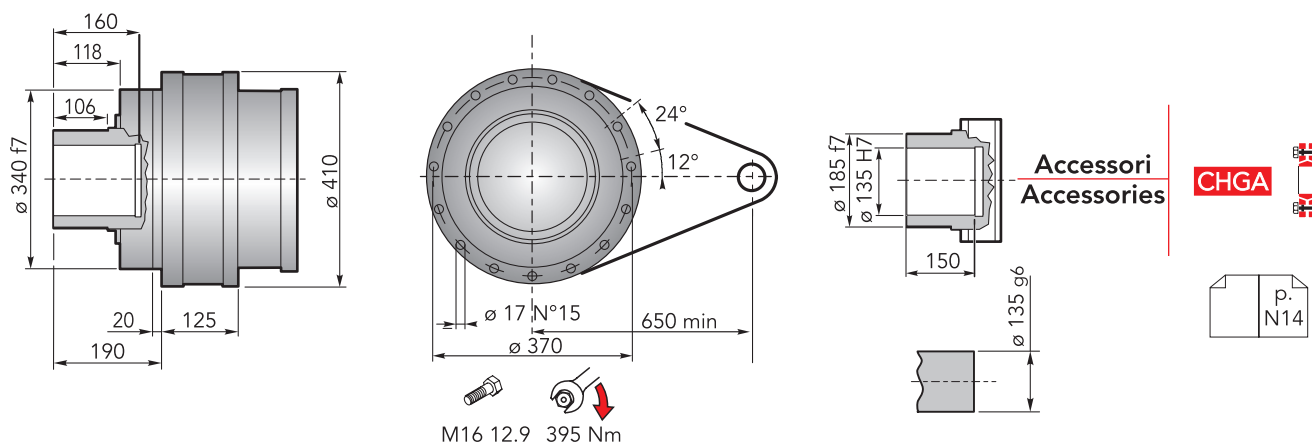


CHPLB 35000 CF - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
35002	-					285	436.5				285	468			
35003	-					442		121.5	105	65 h6	442		153	105	65 h6
35004	480	333	93	82	42 h6	480	377.5				480	409			



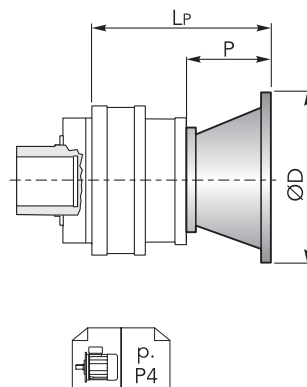
DIMENSIONI · DIMENSIONS



CHPL 35000 CFS - Flange motori IEC | IEC Motor flanges

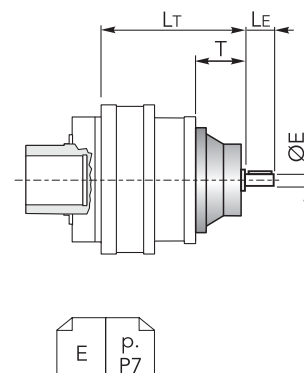
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35003	414.5	36	140	414.5	36	160	434.5	56	200	434.5	56	200	444.5	66	250	444.5	66	250
35004	475.5	-	-	475.5	-	-	495.5	-	-	495.5	-	-	505.5	-	-	505.5	-	-

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-	-	-	370	150	-	370	150	-	370	150	400	359	139	450	359	139	550
35002	-	-	-	425	118	-	425	118	350	455	148	-	-	-	-	-	-	-
35003	478.5	100	300	517.5	139	350	517.5	139	-	-	-	-	-	-	-	-	-	-
35004	539.5	-	-	578.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPL 35000 CFS - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
35001	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	428.5	121.5	105	65 h6	460	153	105	65 h6
35003	471.5	93	82	42 h6	513.5	-	-	-	545	-	-	-
35004	532.5	-	-	-	-	-	-	-	-	-	-	-





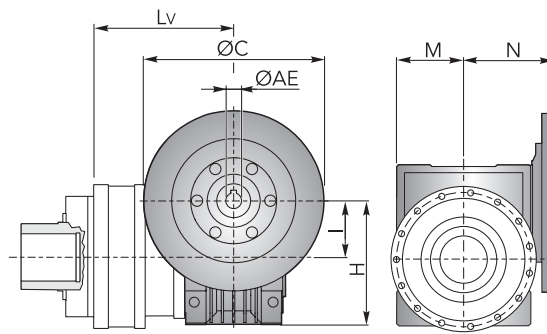
DIMENSIONI · DIMENSIONS

CHPL 35000 CFS - Riduttore a vite senza fine CHM in entrata | CHM input worm gearboxes

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35003	504	50	110	60	80	513.5	63	135	72	95	492.5	75	161	86	112.5
35004	565	-	-	-	-	574.5	-	-	-	-	553.5	-	-	-	-

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	-	445	110	237.5	127.5	160	452	130	277.5	147.5	180
35003	502.5	90	193	103	129.5	530	-	-	-	-	537	-	-	-	-
35004	563.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-

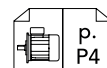
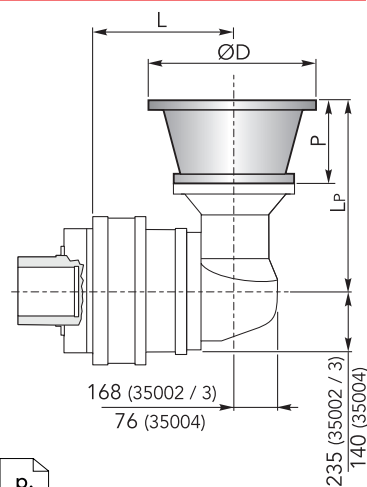
CHPL	CHM 150				
	Lv	I	H	M	N
35001	-	-	-	-	-
35002	467	150	320	170	210
35003	552	-	-	-	-
35004	-	-	-	-	-



CHPLB 35000 CFS - Flange motori IEC | IEC Motor flanges

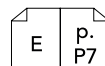
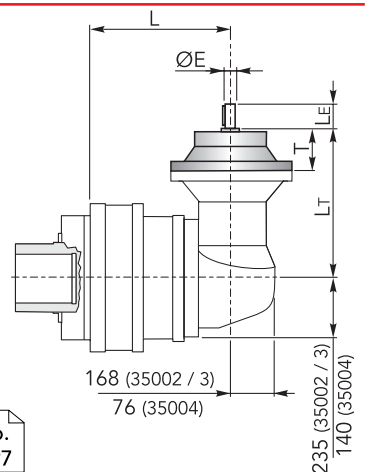
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35004	480	276	36	140	480	276	36	160	480	296	56	200	480	296	56	200	480	306	66	250

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-	-	-	-	-	-	-	-	285	433	118	-	285	433	118	350	285	463	148	400
35003	-	-	-	-	-	-	-	-	442	-	-	350	442	-	-	-	-	-	-	-
35004	480	306	66	250	480	340	66	300	480	379	139	-	-	-	-	-	-	-	-	-

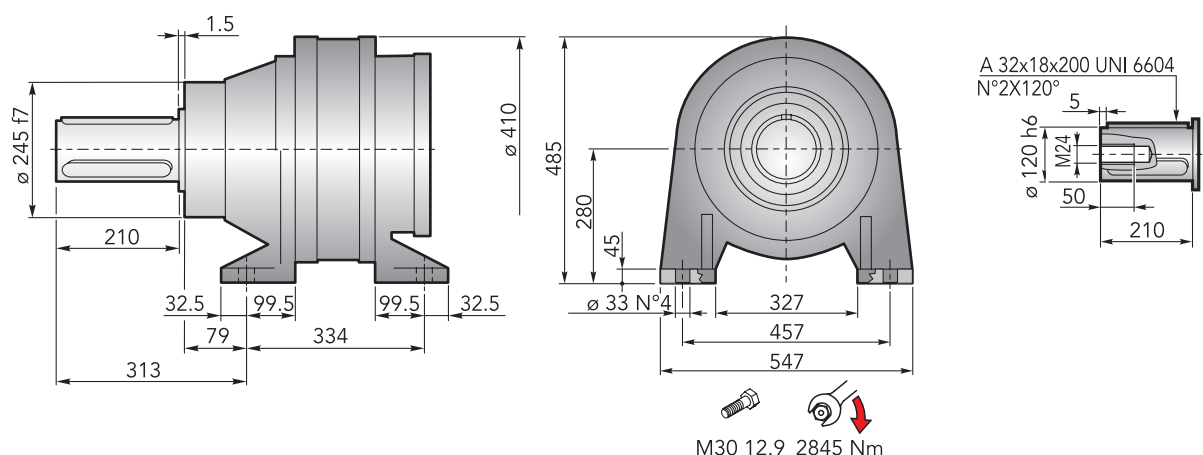


CHPLB 35000 CFS - Alberi maschi entrata | Male input shafts

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
35002	-	-	-	-	-	285	436.5	-	-	-	285	468	-	-	-
35003	-	-	-	-	-	442	-	121.5	105	65 h6	442	-	153	105	65 h6
35004	480	333	93	82	42 h6	480	377.5	-	-	-	480	409	-	-	-



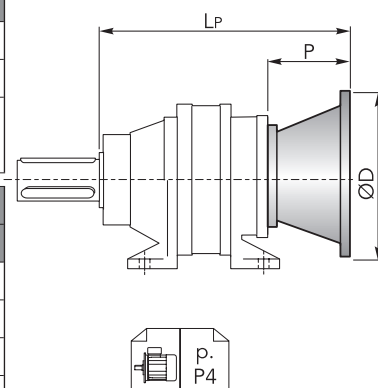
DIMENSIONI · DIMENSIONS



CHPL 35000 CCPC - Flange motori IEC | IEC Motor flanges

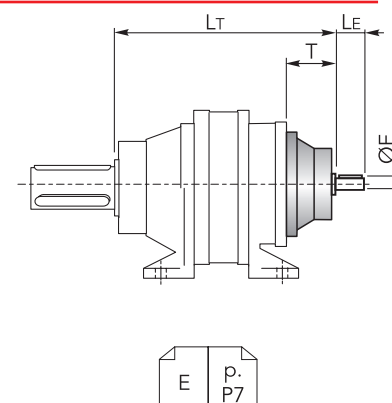
CHPL	IEC 63			IEC 71			IEC 80			IEC 90			IEC 100			IEC 112		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35003	627	36	140	627	36	160	647	56	200	647	56	200	657	66	250	657	66	250
35004	688	36	140	688	36	160	708	56	200	708	56	200	718	66	250	718	66	250

CHPL	IEC 132			IEC 160			IEC 180			IEC 200			IEC 225			IEC 250		
	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD	LP	P	ØD
35001	-	-	-	582.5	150	-	582.5	150	-	582.5	150	400	571.5	139	450	571.5	139	550
35002	-	-	-	637.5	118	-	637.5	118	350	667.5	148	-	-	-	-	-	-	-
35003	691	100	300	730	139	-	730	139	-	-	-	-	-	-	-	-	-	-
35004	752	100	300	791	139	-	-	-	-	-	-	-	-	-	-	-	-	-



CHPL 35000 CCPC - Alberi maschi entrata | Male input shafts

CHPL	CM42				CM65				CP65			
	LT	T	LE	ØE	LT	T	LE	ØE	LT	T	LE	ØE
35001	-	-	-	-	-	-	-	-	-	-	-	-
35002	-	-	-	-	641	121.5	105	65 h6	672.5	153	105	65 h6
35003	684	93	82	42 h6	726	-	-	-	757.5	-	-	-
35004	745	-	-	-	-	-	-	-	-	-	-	-





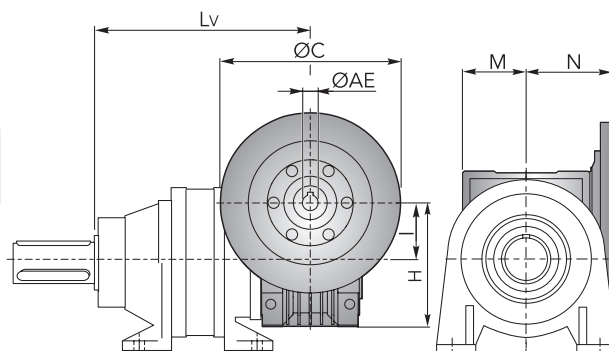
DIMENSIONI · DIMENSIONS

CHPL 35000 CCPC - Riduttore a vite senza fine CHM in entrata | *CHM input worm gearboxes*

CHPL	CHM 50					CHM 63					CHM 75				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					-					-				
35003	716.5	50	110	60	80	726	63	135	72	95	705	75	161	86	112.5
35004	777.5					787					766				

CHPL	CHM 90					CHM 110					CHM 130				
	Lv	I	H	M	N	Lv	I	H	M	N	Lv	I	H	M	N
35001	-					-					-				
35002	-					657.5	110	237.5	127.5	160	664.5	130	277.5	147.5	180
35003	715	90	193	103	129.5	742.5					749.5				
35004	776					-					-				

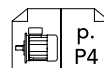
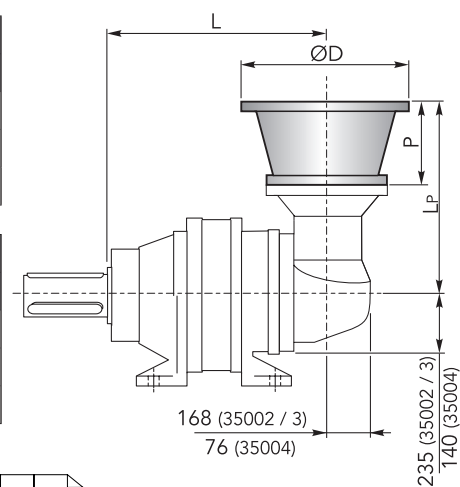
CHPL	CHM 150				
	Lv	I	H	M	N
35001	-				
35002	679.5	150	320	170	210
35003	764.5				
35004	-				



CHPLB 35000 CCPC - Flange motori IEC | *IEC Motor flanges*

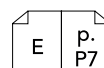
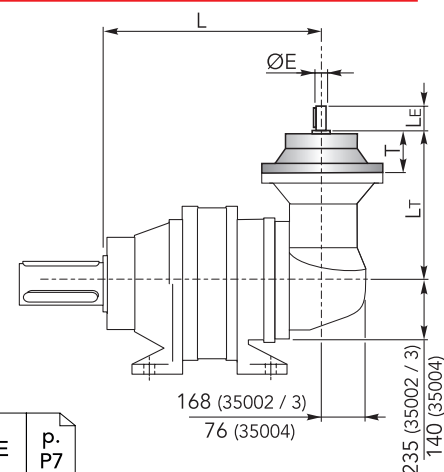
CHPLB	IEC 63				IEC 71				IEC 80				IEC 90				IEC 100			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				-				-				-			
35003	-				-				-				-				-			
35004	692.5	276	36	140	692.5	276	36	160	692.5	296	56	200	692.5	296	56	200	692.5	306	66	250

CHPLB	IEC 112				IEC 132				IEC 160				IEC 180				IEC 200			
	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD	L	Lp	P	ØD
35002	-				-				497.5	433	118	350	497.5	433	118	350	497.5	463	148	400
35003	-				-				654.5				654.5				-			
35004	692.5	306	66	250	692.5	340	66	300	692.5	379	139		-				-			

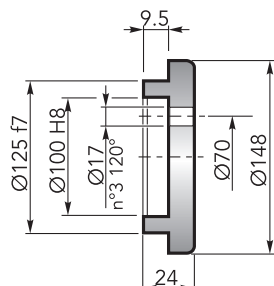
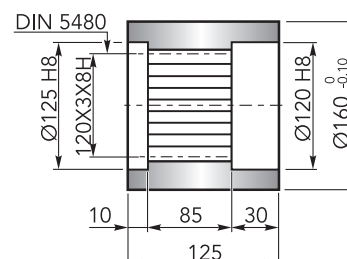
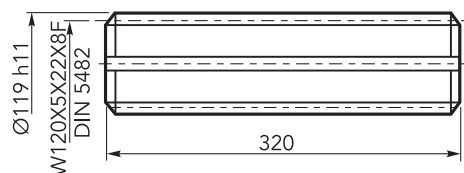
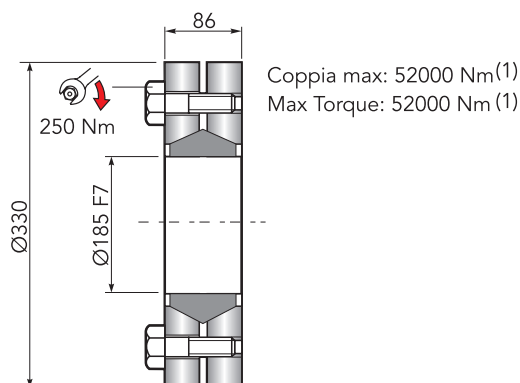


CHPLB 35000 CCPC - Alberi maschi entrata | *Male input shafts*

CHPLB	CM42					CM65					CP65				
	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE	L	Lt	T	Le	ØE
35002	-					497.5	436.5				497.5	468			
35003	-					654.5	121.5	105	65 h6	654.5		153	105	65 h6	
35004	692.5	333	93	82	42 h6	692.5	377.5				692.5	409			

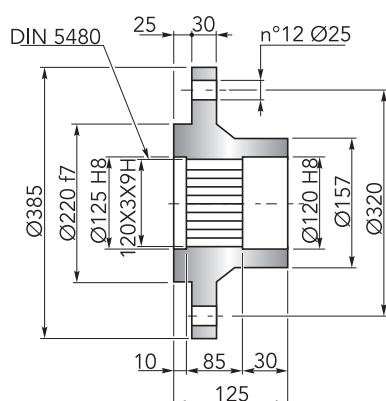


ACCESSORI · ACCESSORIES

CHFFFondello di arresto | *Stop bottom plate*Codice / Code:
1075.005.000**CHBS**Boccola scanalata | *Splined bushing*Codice / Code:
9171.104.076**CHKB**Barra scanalata | *Splined rod*Codice / Code:
3071.588.042**CHGA**Giunto di attrito | *Shrink disc*Codice / Code:
5109.185.000

(1): Coppia max indicata è valida solo con calettatori forniti da Chiaravalli S.p.A.

(1): The maximum torque indicated is valid only with shrink discs supplied by Chiaravalli S.p.A.

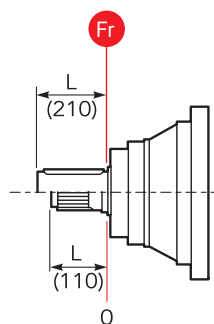
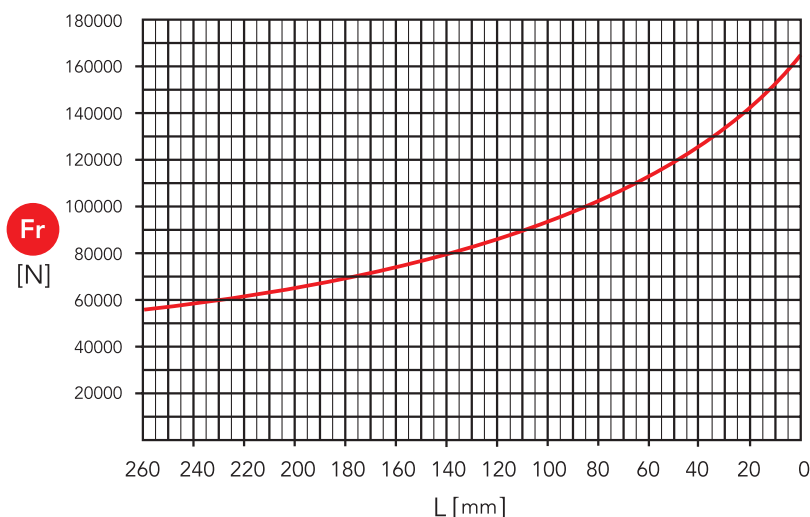
CHFLFlangia | *Flange*Codice / Code:
9171.103.098



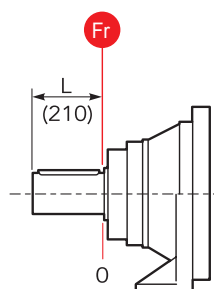
CARICHI RADIALI (Fr) · RADIAL LOADS (Fr)

Nel diagramma seguente, sono indicati i carichi radiali Fr (N) applicabili sull'albero uscita in funzione della distanza di applicazione L rispetto alla battuta dell'albero.

The hereunder table shows the allowable radial loads Fr (N) on the output shaft with reference to the distance L .



1



2

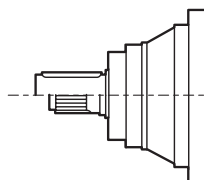
- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC

CARICHI ASSIALI (Fa) · AXIAL LOADS (Fa)

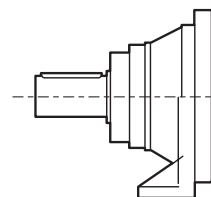
Nella tabella seguente sono indicati i carichi assiali Fa (N) applicabili sull'albero di uscita in funzione della direzione di applicazione del carico e della versione.

The hereunder table shows the allowable axial loads Fa (N) on the output shaft with reference to the load direction and the output type.

	1	2	
Fa [N]	80000	80000	←
	100000	100000	→

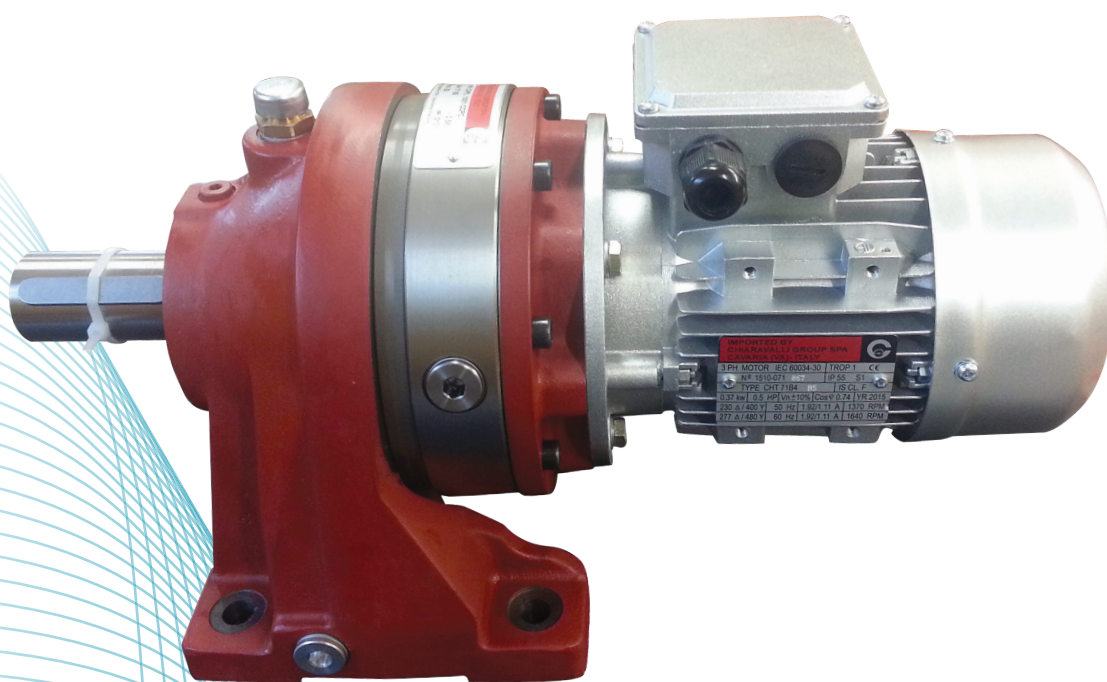
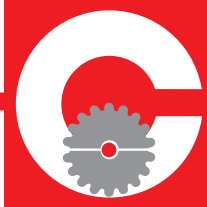


1



2

- 1 Uscita / Output: CMS, CMC
- 2 Uscita / Output: CCPC





MOTORI ELETTRICI · ELECTRIC MOTORS

CHIARAVALLI può fornire ai suoi clienti differenti motorizzazioni elettriche installabili sui riduttori epicicloidali lineari/angolari o sui combinati vite senza fine.

Tutti i nostri motori sono forniti con grado di protezione IP55, classe di isolamento F e separatore di fase per l'utilizzo sotto inverter, in questo caso possono essere forniti completi di servoventilazione.

Principali caratteristiche motori elettrici Chiaravalli

- Motori con rotore a gabbia, chiusi con ventilazione superficiale esterna.
- Progetto, costruzione e collaudo in conformità alle norme CEI2-3, norme internazionali IEC 34-1 ed alle principali norme straniere.
- Potenze-dimensioni secondo le norme IEC 72, norme nazionali UNEL-MEC.
- Classe isolamento F.
- Protezione IP55.
- Servizio continuo S1.
- Direttiva Europea ROHS 2002/95/CE.
- Separatori di fase.
- A richiesta motori da 160 a 355.
- Volt 400/690 standard da 160 a 355 a richiesta sugli altri.

CHIARAVALLI Group S.p.A. can supply different electric motorizations to its customers which can be mounted on the planetary, linear/ angular gearboxes or on double worm gearboxes. All our motors are supplied with level of protection IP55 insulation class F and phase separator to be used under frequency variator and in this case can be supplied complete with forced ventilation.

Main characteristics Chiaravalli electric motors

- Motors with cage rotor, closed with external surface ventilation/ fan cooled ventilation
- Project, manufacturing and testing in accordance with CEI2-3 regulations, IEC 34-1 international regulation and with main foreign regulation.
- Power and dimensions in accordance with IEC 72 and national UNEL-MEC regulations.
- Insulation class F
- Protection IP55
- S1 continuous service
- ROHS 2002/95/CE European Directive
- Phase separators
- Motors from 160 to 355
- Voltage 400/690 standard on motors from 160 to 355 on demand for the others

Simbologia

Symbols

n	[rpm]	Velocità di rotazione	Rotation speed
P_n	[kW]	Potenza nominale	Nominal power
M_n	[Nm]	Coppia nominale	Nominal torque
I_n	[A]	Corrente nominale	Nominal current
I_s	[A]	Corrente di spunto	Starting current
M_s	[Nm]	Coppia di spunto	Starting torque
M_{max}	[Nm]	Coppia massima	Max torque
V	[V]	Tensione	Voltage
V_p	[V]	Tensione di targa	Plate voltage
F	[Hz]	Frequenza	Frequency
CosØ		Fattore di potenza	Power factor
C	[µF]	Capacità del condensatore	Capacitor
η	[%]	Rendimento	Efficiency
Fr	[N]	Carico radiale	Radial load

MOTORI ELETTRICI · ELECTRIC MOTORS

Funzionamento a 60 Hz

I motori CHIARAVALLI possono funzionare con frequenza a 60 Hz con differenze di prestazione e grandezze elettriche applicando i coefficienti moltiplicativi indicati nella tabella.

Operation at 60 Hz

CHIARAVALLI motors can work at 60 Hz frequency with different performances and electrical size as described on the following chart.

Coefficienti di conversione per funzionamento da 50 Hz a 60 Hz / Conversion coefficient for function from 50 Hz to 60 Hz								
V _p (50 Hz) [V]	V _p (60 Hz) [V]	P _n [kW]	I _n [A]	M _n [Nm]	n [rpm]	I _s [A]	M _s [Nm]	M _{max} [Nm]
230 +/- 10%	220 +/- 5%	1	1	0.83	1.2	0.83	0.83	0.83
230 +/- 10%	230 +/- 10%	1	0.95	0.83	1.2	0.83	0.83	0.83
230 +/- 10%	254 +/- 5%	1.15	1.02	0.96	1.2	0.93	0.93	0.93
230 +/- 10%	277 +/- 5%	1.2	1	1	1.2	1	1	1
400 +/- 10%	380 +/- 5%	1	1	0.83	1.2	0.83	0.83	0.83
400 +/- 10%	400 +/- 10%	1	0.95	0.83	1.2	0.83	0.83	0.83
400 +/- 10%	440 +/- 5%	1.16	1.02	0.96	1.2	0.93	0.93	0.93
400 +/- 10%	460 +/- 10%	1.15	1	0.96	1.2	0.96	0.96	0.96
400 +/- 10%	480 +/- 5%	1.2	1	1	1.2	1	1	1

Tensione di alimentazione

I motori CHIARAVALLI sono progettati per essere utilizzati sulla rete Europea 230/400 Volt +/- 10% - 50 Hz e 400/690 +/- 10% - 50 Hz.

Questo significa che lo stesso motore può funzionare sulle seguenti reti ancora esistenti:

- 220/380 Volt +/- 5%
- 230/400 Volt +/- 10%
- 240/415 Volt +/- 5%
- 380/660 Volt +/- 5%
- 400/690 Volt +/- 10%
- 415/720 Volt +/- 5%

rispondendo ai requisiti richiesti dalle normative di numerosi paesi.

Power voltage

CHIARAVALLI motors are configured to be used all over the European net system 230/440 Volt +/-10% -50Hz and 400/690 +/-10%-50Hz

This means that the same motor can be used on the following existing network:

- 220/380 Volt +/- 5%
- 230/400 Volt +/- 10%
- 240/415 Volt +/- 5%
- 380/660 Volt +/- 5%
- 400/690 Volt +/- 10%
- 415/720 Volt +/- 5%

answering to the required standard conditions in many countries.

**IE 1**CARATTERISTICHE TECNICHE ELETTRICHE · *ELECTRIC TECHNICAL CHARACTERISTICS*

TIPO TYPE		POLI POLES	POTENZA POWER Kw	TENSIONE VOLTAGE V	CORRENTE CURRENT 400 V	COPPIA TORQUE N/m	RENDIMENTO EFFICIENCY %	FATTORE FACTOR COS.φ	PESO WEIGHT Kg.
CHT 56	B2	2	0.13	230/400	0.40	0.42	62.00	0.69	3.20
CHT 56	B4	4	0.09	230/400	0.43	0.64	50.00	0.61	3.20
CHT 63	A2	2	0.18	230/400	0.55	0.63	63.00	0.75	4.00
CHT 63	B2	2	0.25	230/400	0.71	0.88	65.00	0.78	4.40
CHT 63	C2	2	0.37	230/400	1.05	1.30	65.00	0.78	4.90
CHT 63	A4	4	0.12	230/400	0.47	0.85	57.00	0.64	3.90
CHT 63	B4	4	0.18	230/400	0.70	1.27	57.00	0.65	4.50
CHT 63	C4	4	0.22	230/400	0.92	1.77	59.00	0.67	4.80
CHT 63	B6	6	0.12	230/400	0.62	1.27	45.00	0.62	4.80
CHT 71	A2	2	0.37	230/400	0.97	1.29	70.00	0.79	5.60
CHT 71	B2	2	0.55	230/400	1.42	1.90	71.00	0.79	6.10
CHT 71	A4	4	0.25	230/400	0.84	1.77	60.00	0.62	5.60
CHT 71	B4	4	0.37	230/400	1.12	2.58	65.00	0.74	6.20
CHT 71	C4	4	0.55	230/400	1.61	3.81	66.00	0.75	7.00
CHT 71	A6	6	0.18	230/400	0.70	1.95	56.00	0.66	6.00
CHT 71	B6	6	0.25	230/400	0.87	2.65	59.00	0.70	6.50
CHT 71	C6	6	0.37	230/400	1.27	3.97	61.00	0.69	7.20
CHT 80	A4	4	0.55	230/400	1.59	3.81	67.00	0.75	8.90
CHT 80	A6	6	0.37	230/400	1.23	3.93	62.00	0.70	8.20
CHT 80	B6	6	0.55	230/400	1.65	5.80	67.00	0.72	9.90

IE 2

CHT 80	A2	2	0.75	230/400	1.75	2.51	77.40	0.80	9.10
CHT 80	B2	2	1.10	230/400	2.45	3.69	80.00	0.82	10.70
CHT 80	C2	2	1.50	230/400	3.12	4.97	82.70	0.83	13.00
CHT 80	B4	4	0.75	230/400	1.79	5.04	79.60	0.76	11.20
CHT 80	C4	4	1.10	230/400	2.72	7.39	81.40	0.71	13.50
CHT 90	S2	2	1.50	230/400	3.20	4.95	81.40	0.83	13.30
CHT 90	L2	2	2.20	230/400	4.54	7.38	83.20	0.84	16.00
CHT 90	S4	4	1.10	230/400	2.50	7.37	81.40	0.78	13.90
CHT 90	L4	4	1.50	230/400	3.31	10.09	82.80	0.79	16.20
CHT 90	M4	4	2.20	230/400	5.09	14.71	84.30	0.74	20.50
CHT 90	S6	6	0.75	230/400	2.01	7.66	76.00	0.71	13.00
CHT 90	L6	6	1.10	230/400	2.82	11.23	78.10	0.72	16.30
CHT 100	LA2	2	3.00	230/400	5.88	10.05	84.60	0.87	23.00
CHT 100	LA4	4	2.20	230/400	4.83	14.70	84.30	0.78	22.70
CHT 100	LB4	4	3.00	230/400	6.33	20.00	85.50	0.80	26.50
CHT 100	LA6	6	1.50	230/400	3.71	15.20	80.00	0.73	22.00
CHT 112	M2	2	4.00	230/400	7.56	13.13	86.00	0.89	27.00
CHT 112	M4	4	4.00	230/400	8.23	26.60	86.60	0.81	32.50
CHT 112	L4	4	5.50	230/400	11.25	36.57	87.90	0.80	39.00
CHT 112	M6	6	2.20	230/400	5.17	22.30	81.80	0.75	29.50
CHT 132	SA2	2	5.50	230/400	10.25	18.00	87.20	0.89	40.20
CHT 132	SB2	2	7.50	230/400	13.80	24.47	88.10	0.89	45.00
CHT 132	S4	4	5.50	230/400	11.00	36.22	87.90	0.83	44.00
CHT 132	M4	4	7.50	230/400	14.50	50.00	88.70	0.84	53.50
CHT 132	M6	6	4.00	230/400	8.86	40.42	84.60	0.77	45.00
CHT 132	S6	6	3.00	230/400	6.84	30.48	83.30	0.76	36.10

IE 3

TIPO TYPE	POLI POLES	POTENZA POWER Kw	TENSIONE VOLTAGE V	CORRENTE CURRENT 400 V	COPPIA TORQUE N/m	RENDIMENTO EFFICIENCY %	FATTORE FACTOR COS.φ	PESO WEIGHT Kg.
CHT 80 A2	2	0.75	230/400	1.66	2.51	80.7	0.81	8.5/8.4
CHT 80 B2	2	1.1	230/400	2.31	3.69	82.7	0.83	10.3/10.2
CHT 90 S2	2	1.5	230/400	3.14	5.02	84.2	0.82	14.4/14.3
CHT 90 L2	2	2.2	230/400	4.51	7.38	85.9	0.82	16.3/16.1
CHT 100 LA2	2	3	230/400	5.59	10.05	87.1	0.89	24.1/24.0
CHT 112 M2	2	4	230/400	7.2	13.13	88.1	0.91	30.2/30.1
CHT 132 SA2	2	5.5	230/400	10	18.08	89.2	0.89	44.2/44.00
CHT 132 SB2	2	7.5	230/400	13.4	24.61	90.1	0.90	52.0/52.8
CHT 80 B4	4	0.75	230/400	1.9	5.04	82.2	0.69	12.1/11.3
CHT 90 S4	4	1.1	230/400	2.59	7.37	84.1	0.73	15.0/15.0
CHT 90 L4	4	1.5	230/400	3.43	10.09	85.3	0.74	18.0/18.0
CHT 100 LA4	4	2.2	230/400	4.58	14.69	86.7	0.80	23.5/23.0
CHT 100 LB4	4	3	230/400	6.33	20.03	87.7	0.78	28.2/28.0
CHT 112 M4	4	4	230/400	7.95	26.62	88.6	0.82	32.3/32.0
CHT 132 S4	4	5.5	230/400	10.5	36.73	89.6	0.84	48.0/47.5
CHT 132 M4	4	7.5	230/400	14.3	50.08	90.4	0.84	58.2/58.0
CHT 90 S6	6	0.75	230/400	2.05	7.66	78.9	0.67	14.1/14.0
CHT 10 L6	6	1.1	230/400	2.93	11.23	81.0	0.67	17.8/16.2
CHT 100 LA6	6	1.5	230/400	3.75	15.24	82.5	0.70	22.2/22.0
CHT 112 M6	6	2.2	230/400	5.54	22.35	84.3	0.68	27.0/26.0
CHT 132 S6	6	3	230/400	6.84	30.48	86.8	0.74	40.0/39.0
CHT 132 MA6	6	4	230/400	8.99	40.42	86.8	0.74	47.5/47.2
CHT 132 MB6	6	5.5	230/400	12.7	55.58	88.0	0.71	55.4/54.0

MOTORI EFFICIENZA IE 3

Il 1° Gennaio 2017 è entrata in vigore la terza fase del regolamento (CE) n° 640/2009 pertanto, a partire dalla suddetta data, i motori commercializzati nello Spazio Economico Europeo a 2, 4 e 6 poli con potenza compresa tra 0,75 Kw e 375 Kw dovranno avere efficienza minima IE3, in alternativa IE2, se alimentati da convertitore di frequenza (inverter) oppure destinati a paesi non appartenenti al suddetto mercato.

Con l'entrata in vigore della terza fase sarà responsabilità dell'acquirente assicurarsi che i motori IE2, rientranti nella normativa, siano utilizzati come sopra indicato.

IE 3 EFFICIENCY MOTORS

From January 2017, the third phase of the regulation (CE) n° 640/2009 came into force, therefore, starting from this date, the electric motors sold in the European Economic Market at 2, 4 and 6 poles with power included between KW 0,75 and KW 375 Kw must have minimum efficiency IE3, alternatively IE2, if supplied with inverter or destined for countries not belonging to the aforementioned market.

With the entry into force of the third phase, it will be the responsibility of the purchaser to make sure that the IE2 motors, which are included in the regulations, are used as indicated above.

* A richiesta motori da 160 a 355

* Volt 400/690 standard da 160 a 355
a richiesta sugli altri

* A richiesta è fornibile motore marca **SIEMENS**

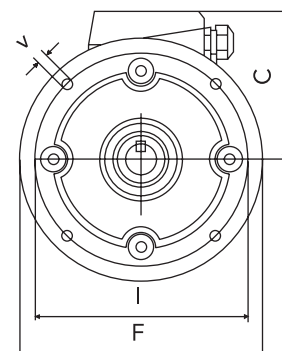
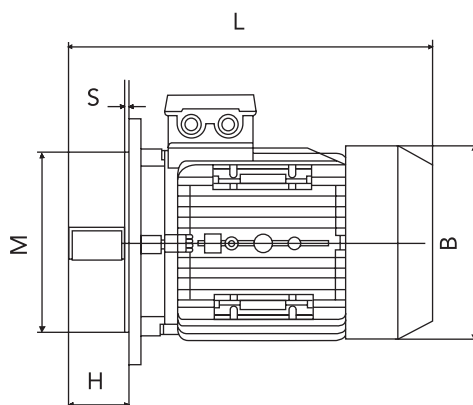
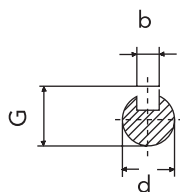
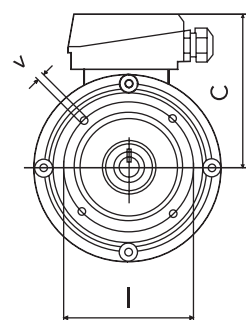
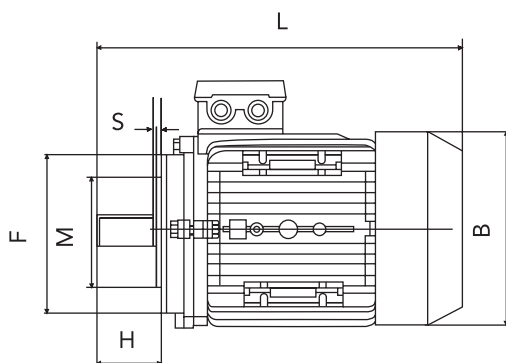
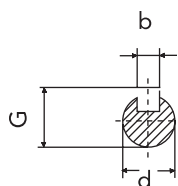
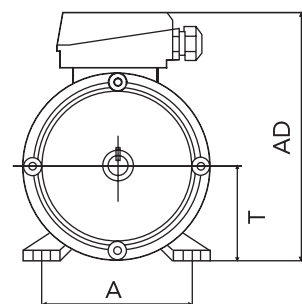
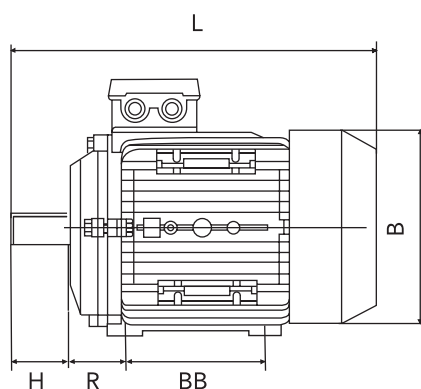
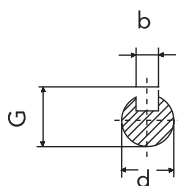
* A richiesta è fornibile motore autofrenante
marca **MGM**

* Motors size 160 up to 355 on request

* Volt 400/690 standard from 160 up to 355
on request for other sizes.

* **SIEMENS** motor available on request

* **MGM** brake motor available on request

**B5****B14****B3**

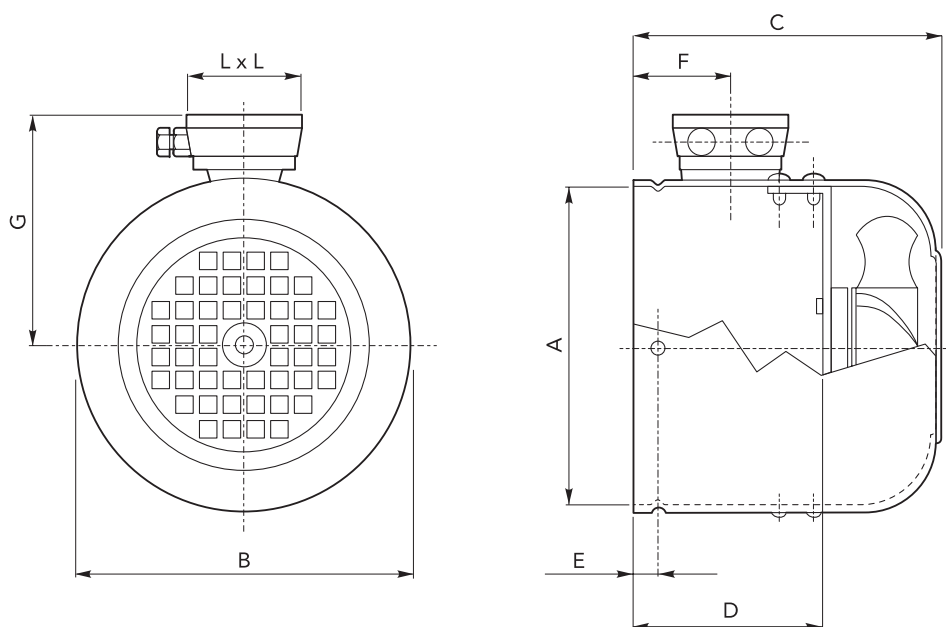
DIMENSIONI E INGOMBRI SIZES AND DIMENSIONS

TIPO TYPE	DIMENSIONI DI MONTAGGIO (mm) MOUNTING DIMENSIONS (mm)																		INGOMBRI DIMENSIONS			
	B5									B14					B3							
	d	H	b	G	I	M	F	V	S	I	M	F	V	S	R	BB	A	T	AD	B	C	L
56	9	20	3	10.2	100	80	120	7	3.0	65	50	80	M5	2.5	36	71	90	56	156	110	100	195
63	11	23	4	12.5	115	95	140	10	3.0	75	60	90	M5	2.5	40	80	100	63	173	123	110	215
71	14	30	5	16	130	110	160	10	3.5	85	70	105	M6	2.5	45	90	112	71	188	138	117	255
80	19	40	6	21.5	165	130	200	12	3.5	100	80	120	M6	3.0	50	100	125	80	217	155	137	290
90S	24	50	8	27	165	130	200	12	3.5	115	95	140	M8	3.0	56	100	140	90	235	176	145	310
90L/90LL	24	50	8	27	165	130	200	12	3.5	115	95	140	M8	3.0	56	125	140	90	235	176	145	335
100L	28	60	8	31	215	180	250	15	4.0	130	110	160	M8	3.5	63	140	160	100	252	197	152	386
112M	28	60	8	31	215	180	250	15	4.0	130	110	160	M8	3.5	70	140	190	112	292	220	180	395
132S	38	80	10	41	265	230	300	15	4.0	165	130	200	M10	4.0	89	140	216	132	325	257	195	436
132M	38	80	10	41	265	230	300	15	4.0	165	130	200	M10	4.0	89	178	216	132	325	257	195	475

Le misure sono indicative | The dimensions are indicative.

KIT SERVOVENTILATO* SERIE MONOFASE

FORCED VENTILATION KIT* SINGLE-PHASE MODELS



Ingombri monofasi con morsetteria IP55
Dimension of single phase motors with IP55 terminal board.

A richiesta fornibili in trifase 400 Vac
Forced ventilation kit three-phase models available on request.

GRAND. SIZE	VOLT VOLTAGE	HZ	VELOC. NOM. MIN/1 NOM. SPEED MIN/1	ASSORB. WATT ABSORB. WATT	CORRENT M.A. CURRENT M.A.	PORT. ARIA M 3/H AIR FLOW M 3/H
GR.63	230	50 / 60	2750	15 / 14	120 / 100	180
GR.71	230	50 / 60	2750	15 / 14	120 / 100	180
GR.80	230	50 / 60	2750	15 / 14	120 / 100	180
GR.90	230	50 / 60	2900	42 / 36	190 / 180	340
GR.100	230	50 / 60	2900	42 / 36	190 / 180	340
GR.112	230	50 / 60	2900	42 / 36	190 / 180	340
GR.132	230	50 / 60	2900	42 / 36	190 / 180	340

GRAND. SIZE	COD. IP55	A	B	C	D	E	F	G	L x L
GR.63	AS063230	121	123	102	58	6	50	104	75
GR.71	AS071230	136	138	120	70	6	50	111	75
GR.80	AS080230	153	155	130	80	6	55	125	100
GR.90	AS090230	172	176	145	75	6	60	135	100
GR.100	AS100230	195	197	158	85	8	60	150	100
GR.112	AS112230	218	220	160	100	10	60	160	100
GR.132	AS132230	255	257	180	120	8	65	175	100

* kit servoventilato serie trifase a richiesta

* forced ventilation kit three-phase models available on request

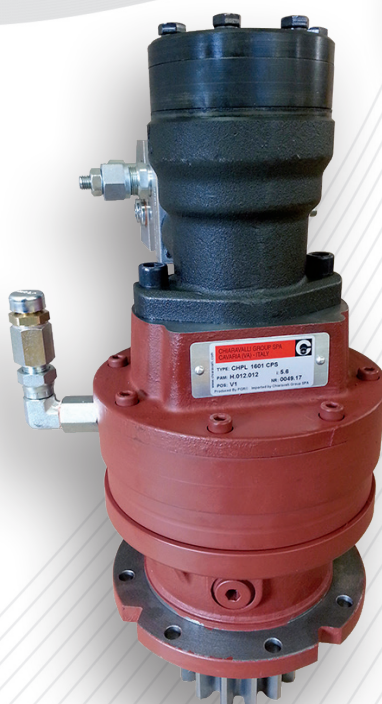
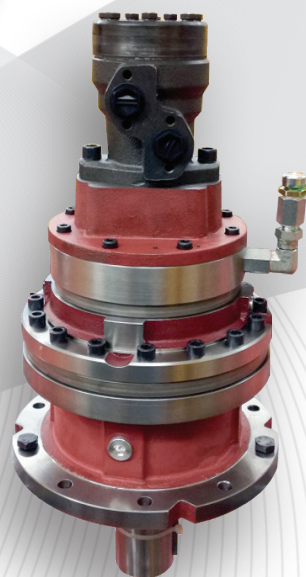
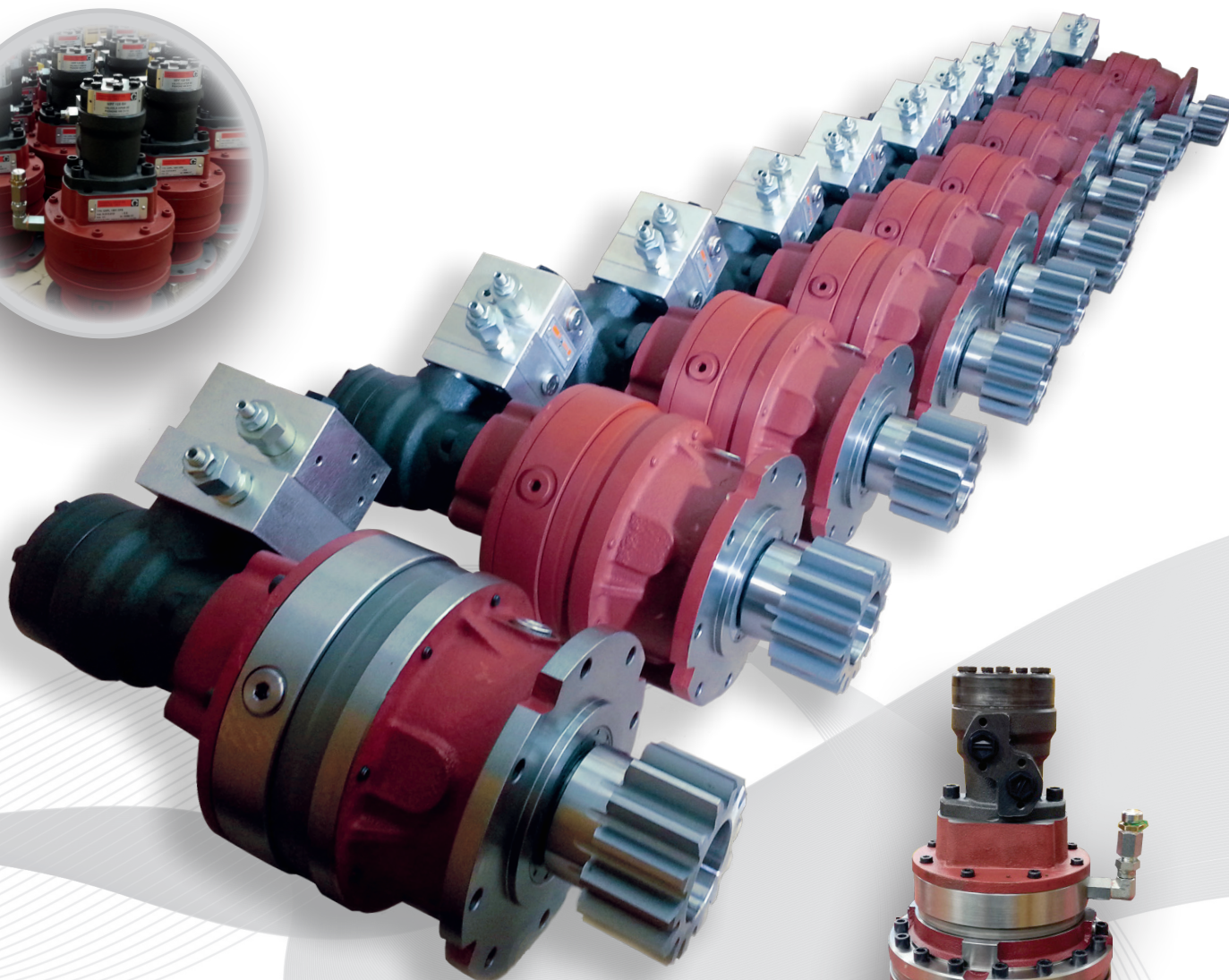


Per servoventilazione su taglie superiori alla 132, contattare il servizio tecnico CHIARAVALLI.
For forced ventilation of sizes over 132 please contact our technical service CHIARAVALLI.



FORNIBILI CON MOTORI ORBITALI AVAILABLE WITH ORBITAL MOTORS

P7



PREDISPOSIZIONI PER RIDUTTORI A VITE SENZA FINE · WORM GEAR CONNECTIONS

CHIARAVALLI può fornire ai suoi clienti riduttori epicicloidali combinati ai vite senza fine della serie CHM CHIARAVALLI. Per la selezione del riduttore a vite senza fine contattare il servizio tecnico CHIARAVALLI.

Il vite senza fine è installabile sulla versione lineare CHPL con il duplice scopo di:

- rendere l'ingresso ortogonale rispetto all'uscita dell'epicicloidale
- aumentare il rapporto di riduzione

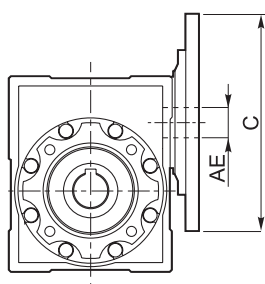
Di seguito riportiamo le diverse predisposizioni attacco motore per i vite senza fine:

CHIARAVALLI can supply combined planetary gearboxes with worm gear of CHM CHIARAVALLI series to its customers. In order to choose the correct gearbox with worm gear connections, please contact CHIARAVALLI technical service.

The worm gearbox connection can be installed on the linear version CHPL with the double aim of:

- Have an orthogonal input and an planetary output
- Increase the ratio

Here following the different input motor adaptor for worm gear connections:



IEC su riduttori a vite senza fine CHM / IEC flnges on CHM worm gearboxes													
Taglia VSF VSF size	i											ØC	ØAE
	7.5	10	15	20	25	30	40	50	60	80	100		
	IEC disponibili su vite senza fine / IEC wormgear available												
CHM 050	80	80	80	80	80	80	80	-	-	-	-	B5 200 B14 124	19
	71	71	71	71	71	71	71	71	71	71	71	B5 160 B14 105	14
	-	-	-	-	-	-	63	63	63	63	63	B5 140	11
CHM 063	90	90	90	90	90	90	-	-	-	-	-	B5 200 B14 140	24
	80	80	80	80	80	80	80	80	80	80	-	B5 200 B14 120	19
	-	-	-	-	-	-	71	71	71	71	71	B5 160 B14 105	14
CHM 075	100 112	100 112	100 112	-	-	-	-	-	-	-	-	B5 250 B14 160	28
	90	90	90	90	90	90	90	90	-	-	-	B5 200 B14 140	24
	-	-	-	80	80	80	80	80	80	80	80	B5 200 B14 120	19
	-	-	-	-	-	-	-	71	71	71	71	B5 160	14
CHM 090	100 112	100 112	100 112	100 112	100 112	100 112	-	-	-	-	-	B5 250 B14 160	28
	90	90	90	90	90	90	90	90	90	-	-	B5 200 B14 140	24
	-	-	-	-	-	-	80	80	80	80	80	B5 200 B14 120	19
CHM 110	132	132	132	132	-	-	-	-	-	-	-	B5 300 B14 200	38
	100 112	100 112	100 112	100 112	100 112	100 112	100 112	100 112	100 112	-	-	B5 250 B14 160	28
	-	-	-	-	-	-	90	90	90	90	90	B5 200	24
CHM 130	132	132	132	132	132	132	132	-	-	-	-	B5 300 B14 200	38
	-	-	-	-	-	100 112	100 112	100 112	100 112	100 112	100 112	B5 250 B14 160	28
	-	-	-	-	-	-	-	-	-	90	90	B5 200	24
CHM 150	160	160	160	160	160	-	-	-	-	-	-	B5 350	42
	-	-	-	-	-	132	132	132	132	-	-	B5 300	38
	-	-	-	-	-	-	-	-	-	100 112	100 112	B5 250	28



ALBERI MASCHIO IN ENTRATA · MALE INPUT SHAFTS

CHIARAVALLI può fornire ai suoi clienti diverse tipologie di alberi maschio in entrata.

CHIARAVALLI can supply different kind of male input shaft to its customers.

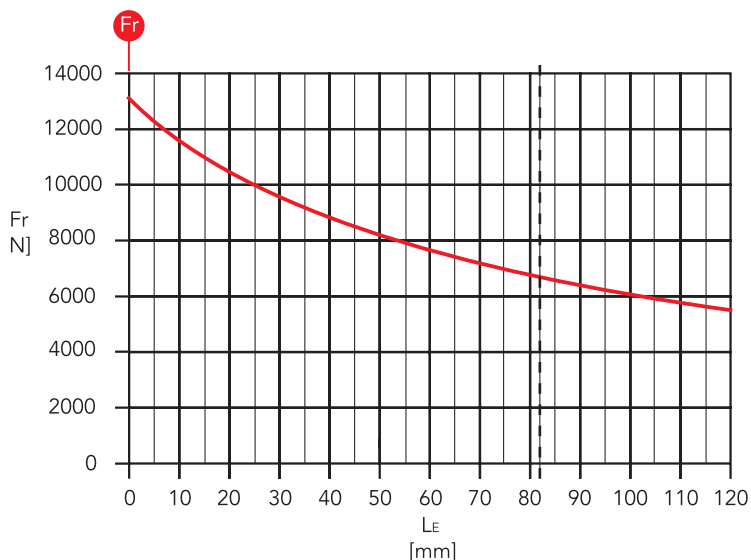
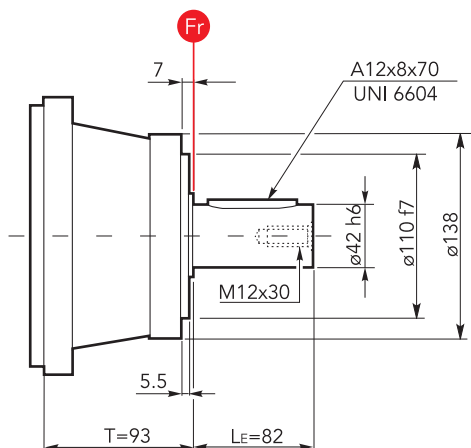
Dimensioni / Dimensions

Carichi radiali / Radial loads

CM42

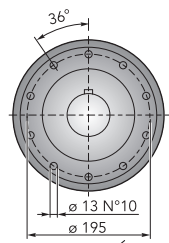
kg 9.0

NO HOLE

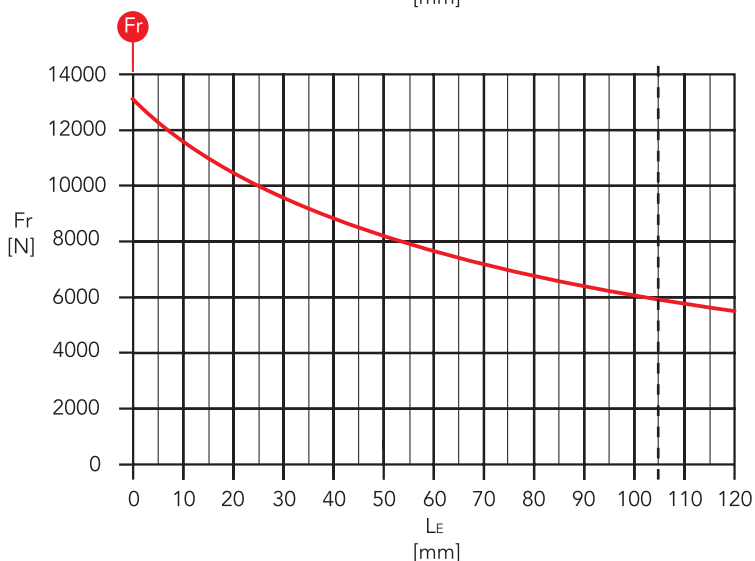
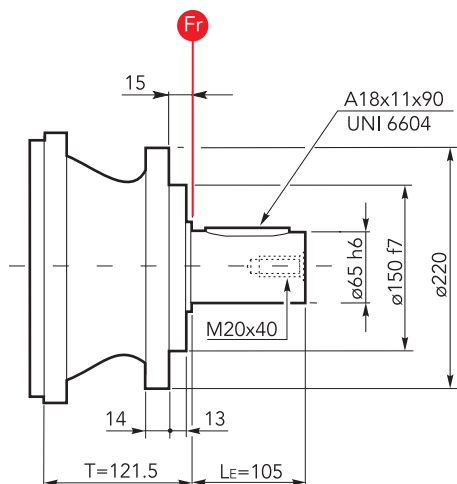


CM65

kg 17.0

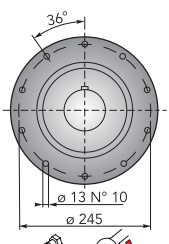


M12 10.9 119 Nm

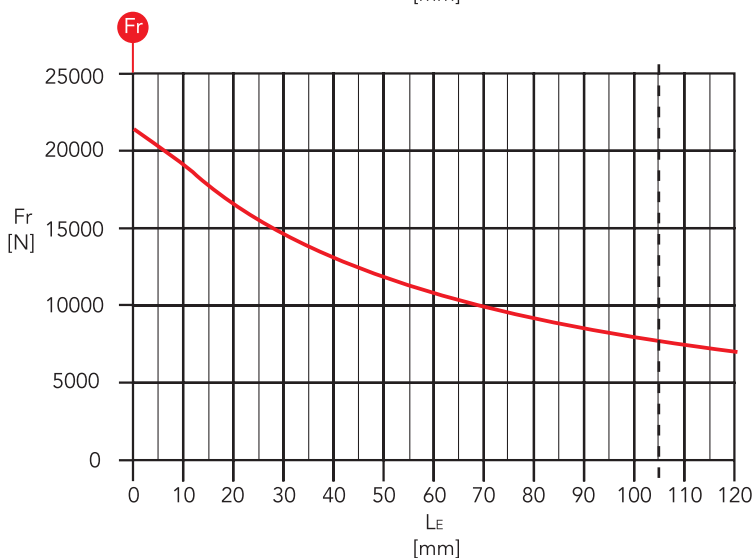
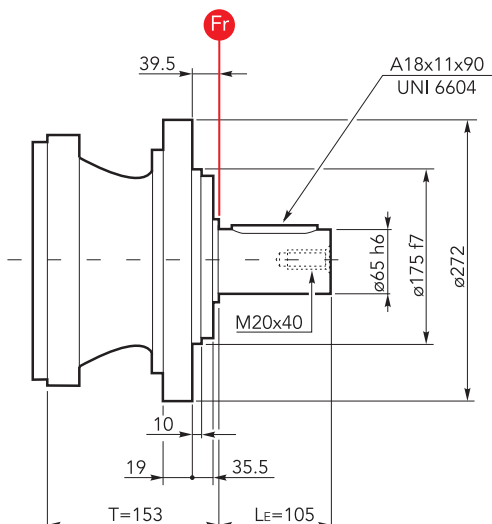


CP65

kg 26.0



M12 8.8 96.9 Nm



PREDISPOSIZIONI PER MOTORI IDRAULICI · HYDRAULIC MOTORS CONNECTION

CHIARAVALLI può offrire ai suoi clienti le predisposizioni per i più diffusi motori idraulici.

Di seguito riportiamo gli ingressi disponibili.

Per ogni altra necessità non in tabella contattare il Servizio Tecnico CHIARAVALLI.

CHIARAVALLI can offer input motor adaptor for the most hydraulic motor.

Following the available input adaptor. For any other requirement not listed in the chart here following, please contact technical service CHIARAVALLI.

	Tipo motore / Motor type	Codice / Code
DINAMIC OIL	AH100/BH150/BH175/BH200 28x34 UNI 8953	2074.013.024
	PH800 46x50 UNI 8953	2074.053.020
	PH250/PH300 32x38 UNI 8953	2074.053.016
	CH250/DH300/DH 350 32x38 UNI 8953	2074.053.003
	PH800/PH1250/MH1000 46x50 UNI 8953	2074.073.001
	PH800/PH1250/MH1000 46x50 UNI 8953	2074.083.001
EATON (CHAR-LYNN) SERIE 2000	A-H-S ø 25	2074.012.012
	A-H-S ø 25.4	2074.012.014
	A-H-S SAE 1"6B	2074.013.013
	BEARINGLESS	2074.013.033
	ø 31.75 CH7.96	2074.012.017
	ø 32 CH10	2074.012.019
	12/24 DP TH14	2074.013.038
	BEARINGLESS	2074.013.045
	ø 40 CH12	2074.012.027
	ø 31.75 CH7.96	2074.012.020
	12/24 DP TH17	2074.013.016
	12/24 DP TH14	2074.013.038
EATON SERIE 4000	ø 40 CH12	2074.012.027
EATON SERIE 6000	12/24 DP TH14	2074.013.038
	ø 40 CH12	2074.012.027
EATON	MF-MV25 16/32 DP TH13	2074.013.001
	MF-MV25 16/32 DP TH15	2074.013.003
	MF-MV25 0 22.22 CH6.25	2074.012.001
	MF-MV (33/39/46) 16/32 DP TH21	2074.013.017
	MF-MV54 16/32 DP TH23	2074.013.018
	MF-MV (33/39/46/54) 12/24 DP TH14	2074.013.015
EATON (VICHERS)	25M 16/32 DP TH13	2074.013.001
	MVE-MFE19 16/32 DP TH15	2074.013.003
	35M-45M 12/24 DP TH14	2074.013.015
	35M-45M 0 31.75	2074.012.020
HAGGLUNDS ABEX DENISON	M1C/M4C/M4SC 16/32 DP TH13	2074.013.001
	M3B/M3B1/TM3B 16/32 DP TH9	2074.013.010
	M4C/M4SC 0 22.22 CH4/75	2074.012.003
	M3D/M1D/M4E/12/24 DP TH14	2074.013.015

	Tipo motore / Motor type	Codice / Code
INTERMOT	NHM 100/150 26x32 UNI 8953	2074.013.052
	NHM 700/800/900/1000/1100 46x50 UNI 8953	2074.053.020
	NHM 200/250/300 32x38 UNI 8953	2074.053.016
	NHM 400/450/500/600 36x42 UNI 8953	2074.053.017
	NHM 700/800/900/1000/1100 46x50 UNI 8953	2074.073.002
	NHM 700/800/900/1000/1100 46x50 UNI 8953	2074.083.002
	NHM 1400/1600/1800/2000 62x72 UNI 8953	2074.073.003
	NHM 1400/1600/1800/2000 62x72 UNI 8953	2074.083.003
	NHM 1400/1600/1800/2000 62x72 UNI 8953	2074.053.021
	NHM 1400/1600/1800/2000 62x72 UNI 8953	2074.053.021
LINDE	MF43M 16/32 DP TH15	2074.013.003
	MF63M 12/24 DP TH14	2074.013.015
	BMF35 25x22 DIN 5482 TH14	2074.013.070
	BMF50 30x27 DIN 5482 TH16	2074.013.060
	BMF 105 40x36 DIN 5482 TH20	2074.013.068
	BMF75 35x31 DIN 5482 TH18	2074.013.061
PARKER (VOLVO)	F11/10 (C-T) W20x1.25 DIN 5480 TH14	2074.013.046
	F11/19 (M-C-D) W25x1.25 DIN 5480 TH18	2074.013.068
	F12/40 (M-F-D) W32x2 DIN 5480 TH14	2074.013.020
	V11 (60/80) (M-S-S) 12/24 DP TH14	2074.013.015
	V12/60 (M-I-C) W30x2 DIN 5480 TH14	2074.013.019
	V12/60 (M-I-D) W35x2 DIN 5480 TH16	2074.013.021
	F11/10 (M-C-K) 0 20 CH6	2074.012.065
	F12/30 (M-F-Z) W25x1.25 DIN 5480 TH18	2074.013.062
	F11/39/58 (M-C-D) W30x2 DIN 5480 TH14	2074.013.030
	F12/80 (M-I-D) W40x2 DIN 5480 TH18	2074.013.064
	F11/78 (M-C-D) W40x2 DIN 5480 TH18	2074.013.065
	F11/110 (M-C-D) W40x2 DIN 5480 TH18	2074.013.034
	F11/110 (M-C-D) W40x2 DIN 5480 TH18	2074.053.018
	V12-110 (U-S) S8/16 DP TH13	2074.053.005
	V12/110 (M-I-D) W45x2 DIN 5480 TH21	2074.053.006
PARKER (TRW TORQMOTOR)	MF/MAC/MAF/MAB 0 25 CH8	2074.012.012
	MF/MAC/MAF/MAB 0 25.4 CH6.35	2074.013.014
	MF/MAC/MAF/MAB SAE 1"6B	2074.013.013
	MAB/MAE 0 31.75 CH7.96	2074.012.016
	ME 12/24 DP TH14	2074.013.047

Per una corretta scelta della predisposizione per motore idraulico contattare il Servizio Tecnico CHIARAVALLI.

For a correct choice of the input hydraulic motor adaptor, please contact CHIARAVALLI technical service.



	Tipo motore / Motor type	Codice / Code
REXROTH BOSCH GROUP (HYDROMATIK)	A2FM (10/12/16) W25x1.25 DIN 5480 TH18	2074.013.009
	A2FM (23/28/32) W25x1.25 DIN 5480 TH18	2074.013.062
	A2FM (23/28/32) W30x2 DIN 5480 TH14	2074.013.063
	A2FM (45/56) W30x2 DIN 5480 TH14	2074.013.019
	A2FM 45 W32x2 DIN 5480 TH14	2074.013.020
	A2FM (56/83) W35x2 DIN 5480 TH16	2074.013.021
	A2FM 80 W35x2 DIN 5480 TH16	2074.013.071
	A2FM (80/90) W40x2 DIN 5480 TH18	2074.013.064
	A2FM 107 W40x2 DIN 5480 TH18	2074.013.065
	A2FM 107 W40x2 DIN 5480 TH18	2074.053.007
	A2FM (107/125) W45x2 DIN 5480 TH21	2074.053.006
	A2FM 160 W45x2 DIN 5480 TH21	2074.053.009
	A2FM (160/180) W50x2 DIN 5480 TH24	2074.053.008
	A6VM55 W35x2 DIN 5480 TH16	2074.013.021
	A6VM55 W30x2 DIN 5480 TH14	2074.013.019
	A6VM80 W35x2 DIN 5480 TH16	2074.013.071
	A6VM80 W40x2 DIN 5480 TH18	2074.013.064
	A6VM107 W40x2 DIN 5480 TH18	2074.013.065
	A6VM107 W40x2 DIN 5480 TH18	2074.053.007
	A6VM107 W45x2 DIN 5480 TH21	2074.053.006
	A6VM160 W45x2 DIN 5480 TH21	2074.053.009
SAI	SAI M05 28x34 UNI 8953	2074.013.041
	SAI M05 35x2 DIN 5480 TH16	2074.013.044
	SAI M1 28x34 UNI 8953	2074.013.022
	SAI M1 35x2 DIN 5480 TH16	2074.013.040
	SAI M2 36x40 UNI 8953	2074.013.066
	SAI M2/M3 36x40 UNI 8953	2074.053.010
	SAI M4 56x65 UNI 8953	2074.053.025
SAE J744C	SAE A 16/32 DP TH9	2074.013.010
	SAE B 16/32 DP TH13	2074.013.001
	SAE BB 16/32 DP TH15	2074.013.003
	SAE C 12/24 DP TH14	2074.013.015
	SAE CC 12/24 DP TH17	2074.013.016
	SAE D 8/16 DP TH13	2074.053.005
STAFFA	HMC 030	2074.052.001

Per una corretta scelta della predisposizione per motore idraulico contattare il Servizio Tecnico CHIARAVALLI.

	Tipo motore / Motor type	Codice / Code
SAMHYDRAULIC	AG/AR 0 25 CH8	2074.012.012
	AG/AR 0 25.4 CH6.35	2074.012.014
	AG/AR 0 25x22 DIN 5482 TH14	2074.013.011
	AG/AR SAE 1"6B	2074.013.013
	AGS/ARS 0 25 CH8	2074.012.026
	AGS/ARS 0 32 CH10	2074.012.019
	AGS/ARS SAE 1"6B	2074.013.012
	HPR 0 32 CH10	2074.012.019
	HPRC	2074.013.006
SAUER-DANFOSS (SAUER-SUNSTRAND)	SERIE 90 (FLANGE SAE)	
	90M032/042 16/32 DP TH13	2074.013.001
	90M032/042 16/32 DP TH15	2074.013.003
	90M055 16/32 DP TH21	2074.013.017
	90M075/100 16/32 DP TH23	2074.013.018
	90M130 16/32 DP TH27	2074.053.012
	SERIE 40 (FLANGE SAE)	
	MMF025 16/32 DP TH13	2074.013.001
	MMF035/MMV035 16/32 DP TH15	2074.013.003
	MMF046/MMV046 16/32 DP TH13	2074.013.001
	MMF046/MMV046 16/32 DP TH15	2074.013.003
	SERIE 51 (FLANGE SAE)	
	51V060 (C6) 13/32 DP TH21	2074.013.017
	51V060 (S1) 12/24 DP TH14	2074.013.015
	51V080 (C7) 16/32 DP TH23	2074.013.018
	51V080 (S1) 12/24 DP TH14	2074.013.015
	51V110 (C8) 16/32 DP TH27	2074.053.012
	51V110 (F1) 8/16 DP TH13	2074.053.005
WHITE	OMF/SMF18 16/32 DP TH13	2074.013.001
	OMV/SMV 16/32 DP TH13	2074.013.067
	SMF2 (033/052/070) 16/32 DP TH21	2074.013.017
	SMF3 (049/066) 16/32 DP TH21	2074.013.017
	HS-RS 0 25	2074.012.012
	HS-RS 0 1"6B	2074.013.013
	RE 0 32	2074.012.019
	RE 0 31.75	2074.012.016

For a correct choice of the input hydraulic motor adaptor, please contact CHIARAVALLI technical service.

FRENI IDRAULICI · HYDRAULIC BRAKES

I riduttori epicicloidali CHIARAVALLI possono essere dotati di freni idraulici.

Tali freni vengono adottati come **freni di stazionamento del riduttore e quindi idonei ad assolvere alla sola frenatura statica**. I freni hanno lubrificazione separata da quella del riduttore epicicloidale; prima della messa in servizio è quindi necessario provvedere al loro riempimento con idoneo olio idraulico.

Di seguito vengono riportate le caratteristiche principali dei freni idraulici disponibili:

T_{br} = Coppia frenante

p_{brMin} = Pressione minima di esercizio

p_{brMax} = Pressione massima di esercizio

CHIARAVALLI planetary gearboxes can be equipped with hydraulic brakes.

These brakes are used as **parking brakes for the gearbox, act to discharge a statics braking only**.

Brakes have separate lubrication from the planetary gearbox; before the start up, brakes need to be fulfilled by hydraulic oil.

Main characteristic for available hydraulic brakes are following:

T_{br} = Braking torque

p_{brMin} = Minimum operating pressure

p_{brMax} = Maximum operating pressure

T _{br} [Nm]	Applicabilità <i>Applicability</i>	P _{brMin} [bar]	P _{brMax} [bar]	 [l]		 Kg	Codice / Code
				Pos. di montaggio / Mount. position			
				V	B		
90		17	300	0.4	0.2	14	6074.000.500
140		23	300	0.4	0.2	14	6074.001.500
220		19	300	0.4	0.2	14	6074.002.500
250		22	300	0.6	0.3	21	5074.300.500
330		23	300	0.4	0.2	14	6074.003.500
400		35	300	0.6	0.3	21	5074.301.500
430		33	300	0.4	0.2	14	6074.004.500
550		39	300	0.4	0.2	14	6074.006.500
650		50	300	0.6	0.3	21	5074.302.500
800		38	300	0.6	0.3	21	5074.303.500
1000		45	300	0.6	0.3	21	5074.304.500
1250		45	300	0.6	0.3	21	5074.305.500
1500		45	300	0.6	0.3	21	5074.306.500
1700		50	300	0.6	0.3	21	5074.307.500

Applicabilità / Applicability				
Taglia / Size	CHPL		CHPLB	
	stadi / stage		stadi / stage	
1000	1-2-3-4	-	2-3-4	-
1600	1-2-3-4	-	2-3-4	-
2500	1-2-3-4	1	2-3-4	-
5000	1-2-3-4	1	2-3-4	-
7000	2-3-4	1-2	2-3-4	-
10000	2-3-4	1-2	2-3-4	-
16000	2-3-4	1-2	2-3-4	-
18000	3-4	2-3	3-4	2
25000	3-4	2-3	3-4	2
30000	3-4	2-3	3-4	-
35000	3-4	2-3	3-4	2-3

Per una corretta scelta del freno idraulico contattare il Servizio tecnico CHIARAVALLI.

For a correct choice of hydraulic brake, please contact CHIARAVALLI technical service.



CONDIZIONI GENERALI DI VENDITA

1) ORDINI - Gli ordini per materiale standard e speciale devono essere sempre riferiti alle offerte della CHIARAVALLI GROUP S.p.A. Le ordinazioni sono impegnative per il cliente. Una volta iniziata la lavorazione non si accettano annullamenti o riduzioni dell'ordine salvo il risarcimento da parte del cliente dei costi di materiale e di lavorazione sostenuti fino al momento della sospensione. La quantità spedita può variare del $\pm 5\%$ rispetto alla quantità ordinata.

2) PREZZI - Si intendono quelli in vigore alla data dell'ordine. Tutti i prezzi sono per merce resa franco Premezzo, imballo escluso. Qualora nel corso della fornitura si verificassero aumenti nel materiale o negli altri costi di produzione è facoltà della CHIARAVALLI GROUP S.p.A. di adeguare i prezzi, anche per gli ordini in corso, agli aumenti verificatisi.

3) TERMINI DI CONSEGNA - Sono da considerarsi validi solo i termini di consegna indicati dalla CHIARAVALLI GROUP S.p.A. Essi sono da considerarsi comunque solo indicativi. Nei casi di difficoltà nell'approvvigionamento dei materiali, di sciopero o comunque in tutti i casi di forza maggiore, i termini di consegna vengono automaticamente prorogati senza che la CHIARAVALLI GROUP S.p.A. sia tenuta a corrispondere indennizzi di sorta. Il cliente ha in ogni caso l'obbligo del ritiro del materiale speciale ordinato all'approntamento.

4) SPEDIZIONI - Le spedizioni si intendono a carico del committente ed eseguite a suo rischio e pericolo. I reclami per gli eventuali ammanchi devono presentarsi entro 8 gg. dal ricevimento della merce. Qualora venga pattuito che il costo del trasporto sia a carico, anche solo in parte, della CHIARAVALLI GROUP S.p.A., questa si riserva il diritto di scegliere il mezzo di spedizione più economico.

5) IMBALLO - L'imballo è fatturato al prezzo di costo.

6) RESI - Non si accettano ritorni di merce per qualsiasi causa se non preventivamente autorizzati e con imballi, eventuale sdoganamento e resa a totale carico dell'acquirente. A copertura degli oneri di magazzino ed amministrativi sarà emessa nota di addebito in ragione del 15% del valore della merce resa.

7) GARANZIA - La ditta CHIARAVALLI GROUP S.p.A. si impegna a riparare o sostituire gratuitamente quei pezzi da essa riconosciuti difettosi. La merce contestata dev'essere resa alla sede della CHIARAVALLI GROUP S.p.A., franco di ogni spesa. La garanzia decade qualora i pezzi resi come difettosi siano stati riparati o manomessi. Le riparazioni di pezzi difettosi eseguite dal committente saranno riconosciute solamente dietro autorizzazione dalla CHIARAVALLI GROUP S.p.A. e dopo approvazione di essa del preventivo di spesa. La CHIARAVALLI GROUP S.p.A. non assume responsabilità né riconosce indennizzi di sorta per danni che si verificassero durante l'impiego dei suoi prodotti anche se difettosi. Non viene riconosciuta la garanzia per perdita di lubrificante determinata da normale usura degli anelli di tenuta.

8) RESPONSABILITÀ - La ditta CHIARAVALLI GROUP S.p.A. non assume responsabilità né riconosce indennizzi di sorta per danni che si verificassero durante l'impiego dei suoi prodotti anche se difettosi. La CHIARAVALLI GROUP S.p.A. declina ogni responsabilità nell'esecuzione di particolari su disegno del cliente sottostanti ad eventuali brevetti.

9) PAGAMENTI - Saranno riconosciuti validi solo i pagamenti effettuati nei modi e nei termini pattuiti. Trascorso il termine di pagamento la CHIARAVALLI GROUP S.p.A. conteggerà gli interessi di mora al tasso del 3% superiore a quello legale, fermo il diritto di esigere il pagamento. In caso di ritardo o mancato pagamento da parte del committente la ditta CHIARAVALLI GROUP S.p.A. si riserva il diritto di sospendere le consegne degli ordini in corso o di pretendere il pagamento anticipato senza riconoscere al committente indennizzi di sorta o risarcimenti. Qualsiasi contestazione dei materiali in corso di fabbricazione o già in possesso del committente non libera quest'ultimo dall'effettuare il pagamento alla scadenza stabilita e per l'intero ammontare della fattura senza alcuna detrazione.

10) PROPRIETÀ - Tutta la merce spedita rimane sempre di proprietà della Ditta CHIARAVALLI GROUP S.p.A. fino al pagamento completo delle sue fatture.

11) FORO COMPETENTE - Qualsiasi controversia inerente ai rapporti commerciali con la CHIARAVALLI GROUP S.p.A. sarà di competenza del Tribunale di Busto Arsizio.

1) ORDERS - Orders for special and standard material must always refer to offers made by CHIARAVALLI GROUP S.p.A. The orders are binding for the client. Once work has commenced no cancellations or order reductions will be accepted unless the client reimburses the costs of the material and the work carried out up to the moment in which the order was suspended. The quantity despatched can vary by $\pm 5\%$ compared to the quantity ordered.

2) PRICES - The prices are those in force at the date of order. All prices are for goods delivered ex-works Premezzo, packing excluded. If there should be any increase in production and material costs over the duration of the supply, CHIARAVALLI GROUP S.p.A. reserves the right to adapt the prices accordingly, even for orders in course.

3) TERMS OF DELIVERY - Only the terms of delivery indicated by CHIARAVALLI GROUP SpA are to be considered valid. However, they must only be considered as indicative. In the event of difficulty in the procurement of materials, strikes or in any event in all cases of force majeure, the terms of delivery will be automatically extended without CHIARAVALLI GROUP S.p.A. having to pay any reimbursement for damages. The client is obligated to collect special material ordered when ready.

4) DELIVERIES - Deliveries are the responsibility of the purchaser and are carried out at his own risk and peril. Any claims for shortages must be presented within 8 days of receipt of the goods. If it is agreed that the cost of transport is to be paid, even if only in part, by CHIARAVALLI GROUP S.p.A., the latter reserves the right to choose the most economical means of transport.

5) PACKING - Packing will be invoiced at cost.

6) RETURNS - No returns for any reason will be accepted unless previously authorised and with packing, any customs clearance and the return paid for by the purchaser. To cover warehouse and administrative expenses a debit note will be issued for approx. 15% of the value of the goods returned.

7) WARRANTY - CHIARAVALLI GROUP S.p.A. promises to repair or substitute free of charge any parts that they recognise as being defective. The questioned goods must be returned to the factory of CHIARAVALLI GROUP S.p.A., free of all expenses. The warranty will be considered cancelled in the event that the parts returned as defective have been repaired or tampered with. The repair of defective parts carried out by the purchaser will only be accepted after authorisation from CHIARAVALLI GROUP S.p.A. and after their approval of the cost estimate. CHIARAVALLI GROUP S.p.A. does not accept responsibility or pay any reimbursement for damages that occur during the use of their products, even if defective. Warranty is excluded for leakage of lubricant caused by wear of the oil seals.

8) RESPONSIBILITY - CHIARAVALLI GROUP S.p.A. does not accept responsibility or pay any reimbursement for damages that occur during the use of their products, even if defective. CHIARAVALLI GROUP S.p.A. declines all responsibility in the execution of parts to a client's design under any patents.

9) PAYMENTS - Only payments carried out in the manner and terms agreed will be considered valid. Once the due date of payment has passed, CHIARAVALLI GROUP S.p.A. will calculate the interest on delayed payment at a rate that is 3% higher than the legal one, retaining the right to demand payment. In the event of delayed or missing payment by the purchaser, the company CHIARAVALLI GROUP S.p.A. reserves the right to suspend deliveries of the orders in course or to demand advance payment without having to pay any reimbursement or compensation to the purchaser. Any dispute regarding materials in manufacture or already possessed by the purchaser does not free the latter from the commitment of making the payment by the agreed date and for the whole amount of the invoice without making any deductions.

10) OWNERSHIP - All of the goods despatched remain the property of CHIARAVALLI GROUP S.p.A. until the invoice is fully paid.

11) COMPETENT COURT - Any controversy concerning business relations with CHIARAVALLI GROUP SpA will be dealt with under the jurisdiction of the Court of Busto Arsizio.

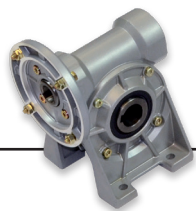
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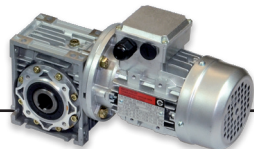
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CHIARAVALLI GEARSBOXES RANGE



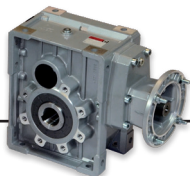
WORM GEARBOXES CH LINE ALUMINIUM FRAME

SIZE	03	04	05	06	07	08								
SHAFT Ø	14 mm	18 mm	25 mm	25 mm	30 mm	35 mm								
TORQUE	18 Nm	37 Nm	73 Nm	155 Nm	276 Nm	340 Nm								



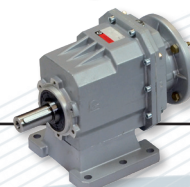
WORM GEARBOXES CHM LINE ALUMINIUM FRAME

SIZE	25	30	40	50	63	75	90	110	130	150				
SHAFT Ø	11 mm	14 mm	18 mm	25 mm	25 mm	28 mm	35 mm	42 mm	45 mm	50 mm				
TORQUE	14 Nm	20 Nm	42 Nm	80 Nm	165 Nm	232 Nm	431 Nm	710 Nm	980 Nm	992 Nm				



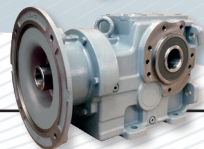
BEVEL GEARBOXES CHO LINE ALUMINIUM FRAME

SIZE	52/53	62/63	72/73	82/83										
SHAFT Ø	25 mm	25 mm	30 mm	35 mm										
TORQUE	130 Nm	200 Nm	350 Nm	500 Nm										



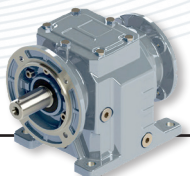
HELICAL GEARBOXES CHC LINE ALUMINIUM FRAME

SIZE	16/20	25	30	35/40										
SHAFT Ø	16/20 mm	25 mm	30 mm	35/40 mm										
TORQUE	120 Nm	200 Nm	300 Nm	500 Nm										



BEVEL GEARBOXES CH-G K LINE CAST IRON FRAME

SIZE	35390	40390	50390	60390	70390	90390	100390							
SHAFT Ø	35 mm	40/45 mm	50 mm	60 mm	70 mm	90 mm	100 mm							
TORQUE	600 Nm	850 Nm	1800 Nm	3500 Nm	5000 Nm	8000 Nm	13000 Nm							



HELICAL GEARBOXES CH-G A/F LINE CAST IRON FRAME

SIZE	352/353	402/403	502/503	602/603	702/703	902/903								
SHAFT Ø	35 mm	40 mm	50 mm	60 mm	70 mm	90 mm								
TORQUE	500 Nm	850 Nm	1800 Nm	3500 Nm	5000 Nm	8000 Nm								



PARALLEL AXIS GEARBOXES CH-G D/M LINE CAST IRON FRAME

SIZE	352/353	402/403	502/503	602/603										
SHAFT Ø	35 mm	40 mm	50 mm	60 mm										
TORQUE	500 Nm	850 Nm	1800 Nm	3500 Nm										



SHAFT MOUNTED GEARBOXES CHA LINE CAST IRON FRAME

SIZE	30/30	35/35	40/40	40/45	45/45	45/50	45/55	50/50	50/55	50/60	60/60	60/70	70/70	80/80
SHAFT Ø	30 mm	35 mm	40 mm	45 mm	45 mm	50 mm	55 mm	50 mm	55 mm	60 mm	60 mm	70 mm	70 mm	80 mm
TORQUE	170 Nm	420 Nm	920 Nm	920 Nm	1400 Nm	1400 Nm	1400 Nm	2300 Nm	2300 Nm	2300 Nm	3500 Nm	3500 Nm	4900 Nm	6600 Nm



PLANETARY GEARBOXES CAST IRON FRAME CHPL/CHPLB SERIES

SIZE	1000	1600	2500	5000	7000	10000	16000	18000	25000	30000	35000			
SHAFT Ø	42 mm	42 mm	65 mm	65 mm	80 mm	90 mm	100 mm	100 mm	110 mm	110 mm	120 mm			
TORQUE	1000 Nm	1600 Nm	2500 Nm	5000 Nm	7000 Nm	10000 Nm	16000 Nm	18000 Nm	25000 Nm	30000 Nm	35000 Nm			

ATTENZIONE: i dati prestazionali e dimensionali sono indicativi, verificare i cataloghi.
ATTENTION: the performance and dimensional data are only indicative, please look at the catalogues

SHIPPING SERVICES



B2B

*Chiaravalli Group SpA
E-commerce service*

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**FAST
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PRIORITY TRACK SERVICE

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YOUR SINGLE NEED IS OUR PRIORITY

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