

TWIN POWER

DOUBLE SIDED RUBBER SYNCHRONOUS BELT



DRIVEN BY POSSIBILITY™

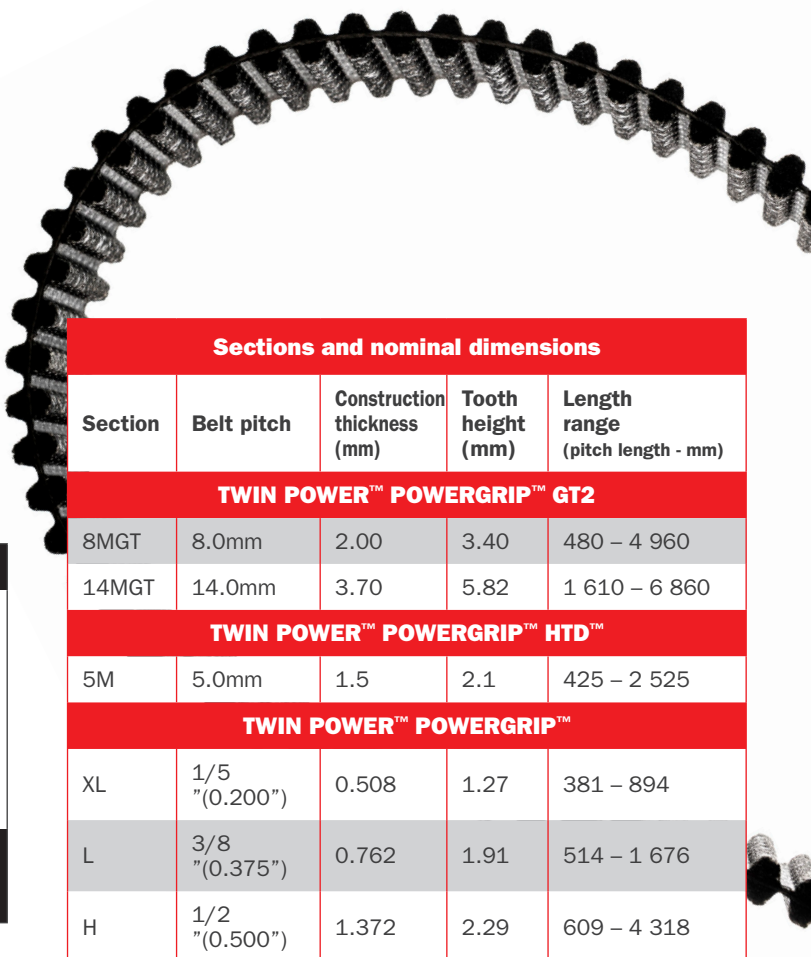
Featuring teeth on both sides placed directly opposite to each other, Twin Power™ synchronous belts ensure high loading capacity on contra-rotating drives and ensure smooth running and high flexibility. They are available with the classical trapezoidal tooth profile and also with the unique GT tooth profile. A Twin Power™ GT2 belt has twice the power rating of a Twin Power™ HTD™ belt. It is characterised by extraordinary load-carrying capacity and high tooth jump resistance ensuring a positive non-slip drive. In addition, the belt runs at very low noise. Twin Power™ is available in PowerGrip™ GT2 8MGT and 14MGT, HTD™ 5M and PowerGrip™ XL, L and H pitches.

CONSTRUCTION

- Similar in construction to PowerGrip™ classical synchronous and PowerGrip™ GT2 belts: high-strength fibre glass tensile member precision formed elastomeric teeth and body.
- Wear resistant nylon fabric on both tooth sides.
- Standard widths for belt pitch in mm and belt width code:
- Twin Power™ PowerGrip™ GT2
 - 8MGT: 20, 30, 50, 85mm
 - 14MGT: 40, 55, 85, 115, 170mm
- Twin Power™ PowerGrip™ HTD™
 - 5M: 9, 15, 25mm
- Twin Power™ PowerGrip™:
 - XL:
 - 6.4mm (code 025), 7.9mm (code 031), 9.5mm (code 037)
 - L:
 - 12.7mm (code 050), 19.1mm (code 075), 25.4mm (code 100)
 - H:
 - 19.1mm (code 075), 25.4mm (code 100), 38.1mm (code 150), 50.8mm (code 200), 76.2mm (code 300)
 - Other widths available on request.

BENEFITS

- High load-carrying capacity.
- Twin Power™ can transmit up to 100% of its maximum rated load from either side of the belt; alternatively, it can transmit a load on both sides - provided the sum of the loads does not exceed the maximum capacity.
- Non-slipping.
- Low noise operation.
- Lubrication and maintenance free.
- Temperature range: -30°C to +100°C.



Ordering code
TP-1120-8MGT2-20
TP - Twin Power
1120 - Datum length (mm)
8MGT2 - Pitch 8mm
20 - Belt width (mm)
NOTE: For correct design and tensioning of the belt please consult with our application engineering team.
Identification
Durable white marking indicating the belt type and belt dimensions.

Sections and nominal dimensions				
Section	Belt pitch	Construction thickness (mm)	Tooth height (mm)	Length range (pitch length - mm)
TWIN POWER™ POWERGRIP™ GT2				
8MGT	8.0mm	2.00	3.40	480 – 4 960
14MGT	14.0mm	3.70	5.82	1 610 – 6 860
TWIN POWER™ POWERGRIP™ HTD™				
5M	5.0mm	1.5	2.1	425 – 2 525
TWIN POWER™ POWERGRIP™				
XL	1/5 "(0.200")	0.508	1.27	381 – 894
L	3/8 "(0.375")	0.762	1.91	514 – 1 676
H	1/2 "(0.500")	1.372	2.29	609 – 4 318



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XL

Description	Datum length	No. of teeth
	mm	
TP-150-XL	381.00	75
TP-160-XL	406.40	80
TP-170-XL	431.80	85
TP-180-XL	457.20	90
TP-190-XL	482.60	95
TP-200-XL	508.00	100
TP-210-XL	533.40	105
TP-220-XL	558.80	110
TP-230-XL	584.20	115
TP-240-XL	609.60	120
TP-250-XL	635.00	125
TP-260-XL	660.40	130
TP-280-XL	711.20	140
TP-290-XL	736.60	145
TP-300-XL	762.00	150
TP-310-XL	787.40	155
TP-348-XL	883.92	174
TP-352-XL	894.08	176

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

* Other widths available on request.

L

Description	Datum length	No. of teeth
	mm	
TP-202-L	514.35	54
TP-210-L	533.40	56
TP-225-L	571.50	60
TP-240-L	609.60	64
TP-255-L	647.70	68
TP-270-L	685.80	72
TP-285-L	723.90	76
TP-300-L	762.00	80
TP-322-L	819.15	86
TP-345-L	876.30	92
TP-367-L	933.45	98
TP-390-L	990.60	104
TP-420-L	1 066.80	112
TP-450-L	1 143.00	120
TP-480-L	1 219.20	128
TP-510-L	1 295.40	136
TP-540-L	1 371.60	144
TP-600-L	1 524.00	160
TP-630-L	1 600.20	168
TP-660-L	1 676.40	176

Standard widths*	
mm	code
12.7	050
19.1	075
25.4	100

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H

Description	Datum length	No. of teeth
	mm	
TP-240-H	609.60	48
TP-270-H	685.80	54
TP-300-H	762.00	60
TP-330-H	838.20	66
TP-360-H	914.40	72
TP-390-H	990.60	78
TP-420-H	1 066.80	84
TP-450-H	1 143.00	90
TP-480-H	1 219.20	96
TP-510-H	1 295.40	102
TP-540-H	1 371.60	108
TP-570-H	1 447.80	114
TP-600-H	1 524.00	120
TP-630-H	1 600.20	126
TP-660-H	1 676.40	132
TP-700-H	1 778.00	140
TP-750-H	1 905.00	150
TP-800-H	2 032.00	160
TP-850-H	2 159.00	170
TP-900-H	2 286.00	180
TP-1000-H	2 540.00	200
TP-1100-H	2 794.00	220
TP-1250-H	3 175.00	250
TP-1400-H	3 556.00	280
TP-1700-H	4 318.00	340

Standard widths*	
mm	code
19.1	075
25.4	100
38.1	150
50.8	200
76.2	300

* Other widths available on request.



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POWERGRIP™ HTD™ 5M

Description	Datum length	No. of teeth
	mm	
TP-HTD-425-5M	425	85
TP-HTD-475-5M	475	95
TP-HTD-500-5M	500	100
TP-HTD-600-5M	600	120
TP-HTD-615-5M	615	123
TP-HTD-640-5M	640	128
TP-HTD-670-5M	670	134
TP-HTD-700-5M	700	140
TP-HTD-755-5M	755	151
TP-HTD-800-5M	800	160
TP-HTD-835-5M	835	167
TP-HTD-890-5M	890	178
TP-HTD-925-5M	925	185
TP-HTD-935-5M	935	187
TP-HTD-1100-5M	1 100	220
TP-HTD-1200-5M	1 200	240
TP-HTD-1270-5M	1 270	254
TP-HTD-1420-5M	1 420	284
TP-HTD-1595-5M	1 595	319
TP-HTD-1690-5M	1 690	338
TP-HTD-1870-5M	1 870	374
TP-HTD-1945-5M	1 945	389
TP-HTD-2000-5M	2 000	400
TP-HTD-2100-5M	2 100	420
TP-HTD-2250-5M	2 250	450
TP-HTD-2350-5M	2 350	470
TP-HTD-2525-5M	2 525	505

Standard widths*
mm
9.0
15.0
25.0

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POWERGRIP™ GT2 8MGT

Description	Datum length	No. of teeth
	mm	
TP-GT2-480-8MGT	480	60
TP-GT2-560-8MGT	560	70
TP-GT2-600-8MGT	600	75
TP-GT2-640-8MGT	640	80
TP-GT2-720-8MGT	720	90
TP-GT2-800-8MGT	800	100
TP-GT2-880-8MGT	880	110
TP-GT2-960-8MGT	960	120
TP-GT2-1040-8MGT	1 040	130
TP-GT2-1120-8MGT	1 120	140
TP-GT2-1200-8MGT	1 200	150
TP-GT2-1280-8MGT	1 280	160
TP-GT2-1360-8MGT	1 360	170
TP-GT2-1440-8MGT	1 440	180
TP-GT2-1600-8MGT	1 600	200
TP-GT2-1760-8MGT	1 760	220
TP-GT2-1800-8MGT	1 800	225
TP-GT2-2000-8MGT	2 000	250
TP-GT2-2200-8MGT	2 200	275
TP-GT2-2400-8MGT	2 400	300
TP-GT2-2600-8MGT	2 600	325
TP-GT2-2800-8MGT	2 800	350
TP-GT2-3048-8MGT	3 048	381
TP-GT2-3280-8MGT	3 280	410
TP-GT2-3600-8MGT	3 600	450
TP-GT2-4400-8MGT	4 400	550
TP-GT2-4960-8MGT	4 960	620

Standard widths*
mm
20
30
50
85

* Other widths available on request.

POWERGRIP™ GT2 14MGT

Description	Datum length	No. of teeth
	mm	
TP-GT2-1610-14MGT	1 610	115
TP-GT2-1778-14MGT	1 778	127
TP-GT2-1890-14MGT	1 890	135
TP-GT2-2100-14MGT	2 100	150
TP-GT2-2310-14MGT	2 310	165
TP-GT2-2450-14MGT	2 450	175
TP-GT2-2590-14MGT	2 590	185
TP-GT2-2800-14MGT	2 800	200
TP-GT2-3150-14MGT	3 150	225
TP-GT2-3360-14MGT	3 360	240
TP-GT2-3500-14MGT	3 500	250
TP-GT2-3850-14MGT	3 850	275
TP-GT2-4326-14MGT	4 326	309
TP-GT2-4578-14MGT	4 578	327
TP-GT2-4956-14MGT	4 956	354
TP-GT2-5320-14MGT	5 320	380
TP-GT2-5740-14MGT	5 740	410
TP-GT2-6160-14MGT	6 160	440
TP-GT2-6860-14MGT	6 860	490

Standard widths*
mm
40
55
85
115
170

* Other widths available on request.