



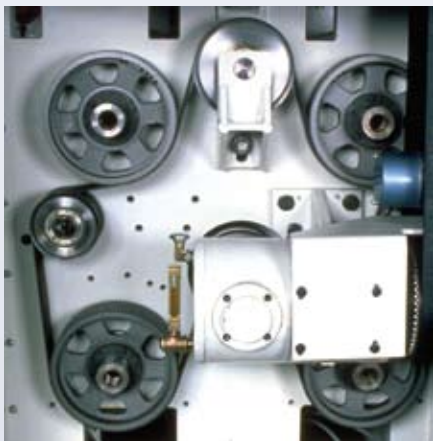
## DOUBLE-SIDED SYNCHRONOUS BELTS FOR CONTRA-ROTATING DRIVES



# TWIN POWER®

Double-sided synchronous belt

Due to its double and directly opposite teeth, 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 but also with the unique GT tooth profile. The Twin Power® GT2 belt has twice the power rating of Twin Power® HTD® belts. It is characterised by extraordinary load-carrying power and high tooth jump resistance, thus ensuring a positive non-slip drive. In addition, it runs at very low noise. Twin Power® is available in PowerGrip® GT2 8MGT and 14MGT, HTD® 5M and PowerGrip® XL, L and H pitches.



### Identification

Three part number on the back of the belt indicating pitch length, tooth pitch and belt width in millimeters.

### Construction

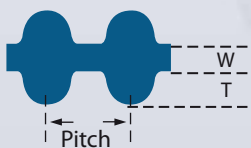
- Similar in construction to PowerGrip® classical synchronous and PowerGrip® GT2 belts: strong tensile member, precision-formed elastomeric teeth and body.
- Wear resistant nylon fabric on both tooth sides.

### Advantages

- High loading 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-slip positive drive.
- Running at low noise.
- Free of lubrication and maintenance.

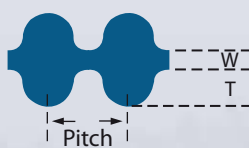
## Sections and nominal dimensions

### PowerGrip® GT2



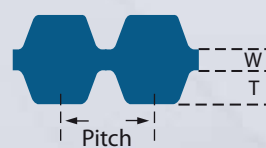
	Pitch mm	W mm	T mm
<b>8MGT</b>	8.0	2.00	3.40
<b>14MGT</b>	14.0	3.70	5.82

### PowerGrip® HTD®



	Pitch mm	W mm	T mm
<b>5M</b>	5.0	1.5	2.1

### PowerGrip® CTB



	Pitch inch	W mm	T mm
<b>XL</b>	1/5	0.508	1.27
<b>L</b>	3/8	0.762	1.91
<b>H</b>	1/2	1.372	2.29



TP 8MGT		
Pitch: 8 mm		
Description	Pitch length mm	Number of teeth
TP-480-8MGT <sup>1</sup>	480	60
TP-560-8MGT <sup>1</sup>	560	70
TP-600-8MGT <sup>1</sup>	600	75
TP-640-8MGT <sup>1</sup>	640	80
TP-720-8MGT <sup>1</sup>	720	90
TP-800-8MGT <sup>1</sup>	800	100
TP-880-8MGT <sup>1</sup>	880	110
TP-960-8MGT <sup>1</sup>	960	120
TP-1040-8MGT <sup>1</sup>	1040	130
TP-1120-8MGT <sup>2</sup>	1120	140
TP-1200-8MGT <sup>2</sup>	1200	150
TP-1280-8MGT <sup>2</sup>	1280	160
TP-1440-8MGT <sup>2</sup>	1440	180
TP-1600-8MGT <sup>2</sup>	1600	200
TP-1760-8MGT <sup>2</sup>	1760	220
TP-1800-8MGT <sup>2</sup>	1800	225
TP-2000-8MGT <sup>2</sup>	2000	250
TP-2400-8MGT <sup>2</sup>	2400	300
TP-2600-8MGT <sup>2</sup>	2600	325
TP-2800-8MGT <sup>2</sup>	2800	350
TP-3048-8MGT <sup>2</sup>	3048	381
TP-3280-8MGT <sup>2</sup>	3280	410
TP-3600-8MGT <sup>2</sup>	3600	450
TP-4400-8MGT <sup>2</sup>	4400	550
TP-4960-8MGT <sup>2</sup>	4960	620

Available in widths of 20 mm, 30 mm, 50 mm and 85 mm.

TP 14MGT		
Pitch: 14 mm		
Description	Pitch length mm	Number of teeth
TP-1610-14MGT <sup>2</sup>	1610	115
TP-1778-14MGT <sup>2</sup>	1778	127
TP-1890-14MGT <sup>2</sup>	1890	135
TP-2100-14MGT <sup>2</sup>	2100	150
TP-2310-14MGT <sup>2</sup>	2310	165
TP-2450-14MGT <sup>2</sup>	2450	175
TP-2590-14MGT <sup>2</sup>	2590	185
TP-2800-14MGT <sup>2</sup>	2800	200
TP-3150-14MGT <sup>2</sup>	3150	225
TP-3360-14MGT <sup>2</sup>	3360	240
TP-3500-14MGT <sup>2</sup>	3500	250
TP-3850-14MGT <sup>2</sup>	3850	275
TP-4326-14MGT <sup>2</sup>	4326	309
TP-4578-14MGT <sup>2</sup>	4578	327
TP-4956-14MGT <sup>2</sup>	4956	354
TP-5320-14MGT <sup>2</sup>	5320	380
TP-5740-14MGT <sup>2</sup>	5740	410
TP-6160-14MGT <sup>2</sup>	6160	440
TP-6860-14MGT <sup>2</sup>	6860	490

Available in widths of 40 mm, 55 mm, 85 mm, 115 mm and 170 mm.

TP 5M		
Pitch: 5 mm		
Description	Pitch length mm	Number of teeth
TP-425-5M <sup>3</sup>	425	85
TP-475-5M <sup>3</sup>	475	95
TP-500-5M <sup>1</sup>	500	100
TP-600-5M <sup>1</sup>	600	120
TP-615-5M <sup>1</sup>	615	123
TP-640-5M <sup>1</sup>	640	128
TP-670-5M <sup>1</sup>	670	134
TP-700-5M <sup>1</sup>	700	140
TP-755-5M <sup>1</sup>	755	151
TP-800-5M <sup>1</sup>	800	160
TP-835-5M <sup>1</sup>	835	167
TP-890-5M <sup>1</sup>	890	178
TP-935-5M <sup>4</sup>	935	187
TP-1100-5M <sup>4</sup>	1100	220
TP-1200-5M <sup>4</sup>	1200	240
TP-1270-5M <sup>3</sup>	1270	254
TP-1420-5M <sup>3</sup>	1420	284
TP-1595-5M <sup>4</sup>	1595	319
TP-1690-5M <sup>3</sup>	1690	338
TP-1870-5M <sup>4</sup>	1870	374
TP-1945-5M <sup>3</sup>	1945	389
TP-2000-5M <sup>3</sup>	2000	400
TP-2100-5M <sup>4</sup>	2100	420
TP-2250-5M <sup>3</sup>	2250	450
TP-2350-5M <sup>4</sup>	2350	470
TP-2525-5M <sup>3</sup>	2525	505

Available in widths of 9 mm, 15 mm and 25 mm.

TP L		
Pitch: 3/8" (9.525 mm)		
Description	Pitch length mm ISO	Number of teeth
TP-202-L <sup>1</sup>	514.4	54
TP-210-L <sup>1</sup>	533.4	56
TP-225-L <sup>1</sup>	571.5	60
TP-240-L <sup>1</sup>	609.6	64
TP-255-L <sup>1</sup>	647.7	68
TP-270-L <sup>1</sup>	685.8	72
TP-285-L <sup>1</sup>	723.9	76
TP-300-L <sup>1</sup>	762.0	80
TP-322-L <sup>1</sup>	819.2	86
TP-345-L <sup>1</sup>	876.3	92
TP-367-L <sup>1</sup>	933.5	98
TP-390-L <sup>4</sup>	990.6	104
TP-420-L <sup>4</sup>	1066.8	112
TP-450-L <sup>4</sup>	1143.0	120
TP-480-L <sup>4</sup>	1219.2	128
TP-510-L <sup>4</sup>	1295.4	136
TP-540-L <sup>4</sup>	1371.6	144
TP-600-L <sup>4</sup>	1524.0	160
TP-630-L <sup>4</sup>	1600.2	168
TP-660-L <sup>4</sup>	1676.4	176

Available in widths of 12.7 mm (code 050), 19.1 mm (code 075) and 25.4 mm (code 100).

Twin Power® ordering code is composed as follows:	
<b>TP-1120-8MGT2-20</b>	
<b>TP</b>	- Twin Power
<b>1120</b>	- Pitch length (mm)
<b>8MGT2</b>	- Pitch 8 mm
<b>20</b>	- Belt width (mm)

TP XL		
Pitch: 1/5" (5.080 mm)		
Description	Pitch length mm ISO	Number of teeth
TP-150-XL <sup>4</sup>	381.0	75
TP-160-XL <sup>4</sup>	406.4	80
TP-170-XL <sup>4</sup>	431.8	85
TP-180-XL <sup>4</sup>	457.2	90
TP-190-XL <sup>1</sup>	482.6	95
TP-200-XL <sup>1</sup>	508.0	100
TP-210-XL <sup>1</sup>	533.4	105
TP-220-XL <sup>1</sup>	558.8	110
TP-230-XL <sup>1</sup>	584.2	115
TP-240-XL <sup>1</sup>	609.6	120
TP-250-XL <sup>1</sup>	635.0	125
TP-260-XL <sup>1</sup>	660.4	130
TP-280-XL <sup>1</sup>	711.2	140
TP-290-XL <sup>1</sup>	736.6	145
TP-300-XL <sup>1</sup>	762.0	150
TP-310-XL <sup>1</sup>	787.4	155
TP-348-XL <sup>1</sup>	883.9	174
TP-352-XL <sup>1</sup>	894.1	176

Available in widths of 6.4 mm (code 025), 7.9 mm (code 031) and 9.5 mm (code 037).

Available in slabs of:  
1 = 100 mm / 2 = 330 mm / 3 = 150 mm / 4 = 130 mm

Dimensions in bold are available from stock.

TP H		
Pitch: 1/2" (12.700 mm)		
Description	Pitch length mm ISO	Number of teeth
TP-240-H <sup>1</sup>	609.6	48
TP-270-H <sup>1</sup>	685.8	54
TP-300-H <sup>1</sup>	762.0	60
TP-330-H <sup>1</sup>	838.2	66
TP-360-H <sup>1</sup>	914.4	72
TP-390-H <sup>2</sup>	990.6	78
TP-420-H <sup>2</sup>	1066.8	84
TP-450-H <sup>2</sup>	1143.0	90
TP-480-H <sup>2</sup>	1219.2	96
TP-510-H <sup>2</sup>	1295.4	102
TP-540-H <sup>2</sup>	1371.6	108
TP-570-H <sup>2</sup>	1447.8	114
TP-600-H <sup>2</sup>	1524.0	120
TP-630-H <sup>2</sup>	1600.2	126
TP-660-H <sup>2</sup>	1676.4	132
TP-700-H <sup>2</sup>	1778.0	140
TP-750-H <sup>2</sup>	1905.0	150
TP-800-H <sup>2</sup>	2032.0	160
TP-850-H <sup>2</sup>	2159.0	170
TP-900-H <sup>2</sup>	2286.0	180
TP-1000-H <sup>2</sup>	2540.0	200
TP-1100-H <sup>2</sup>	2794.0	220
TP-1250-H <sup>2</sup>	3175.0	250
TP-1400-H <sup>2</sup>	3556.0	280
TP-1700-H <sup>2</sup>	4318.0	340

Available in widths of 19.1 mm (code 075), 25.4 mm (code 100), 38.1 mm (code 150), 50.8 mm (code 200) and 76.2 mm (code 300).