



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

BENEFITS

- 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.
- Temperature range: -30 °C to + 100 °C.



| Ordering code |
|---|
| TP-1120-8MGT2-20 TP - Twin Power 1120 - Pitch length (mm) 8MGT2 - Pitch 8 mm 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 | Pitch | Web gauge (mm) | Tooth height (mm) | Length range (pitch length - mm) |
| TWIN POWER® POWERGRIP® GT2 | | | | |
| 8MGT | 8.0 mm | 2.00 | 3.40 | 480 - 4960 |
| 14MGT | 14.0 mm | 3.70 | 5.82 | 1610 - 6860 |
| TWIN POWER® POWERGRIP® HTD® | | | | |
| 5M | 5.0 mm | 1.5 | 2.1 | 425 - 2525 |
| TWIN POWER® POWERGRIP® | | | | |
| XL | 1/5" (0.200") | 0.508 | 1.27 | 381 - 894 |
| L | 3/8" (0.375") | 0.762 | 1.91 | 514 - 1676 |
| H | 1/2" (0.500") | 1.372 | 2.29 | 609 - 4318 |