

23 POWERGRIP GT3 2MGT, 3MGT & 5MGT

PREMIUM RUBBER SYNCHRONOUS BELT WITH OPTIMISED GT TOOTH PROFILE

This technically advanced belt covers a very wide range of industrial applications. The PowerGrip GT3 belt transmits up to 50% more power than the previous generations of PowerGrip belts. This entire belt range is suited both for new drive designs as well as for replacements on existing drives without any adaptation of the system. The 2MGT, 3MGT and 5MGT pitches are ideal for compact drives on hand tools, business machines, domestic appliances, high precision servomotor drives and multiaxis applications.

CONSTRUCTION

- **Elastomeric** backing protects the cords from environmental pollution and frictional wear.
- Helically wound **fibre glass tensile** member gives enormous strength, flex life and elongation resistance.
- Low friction **nylon facing** protects the tooth surface against wear.
- **Precision-formed** and accurately spaced elastomeric **teeth**.
- 5MGT pitch is on demand available in PowerPaint construction, to eliminate paint contamination risk (see p. 40).
- Standard widths of 3, 6, 9mm (2MGT); 6, 9, 15mm (3MGT); and 9, 15, 25mm (5MGT). Other widths available on request.

BENEFITS

- Substantially increased power ratings.
- Compact drives and less weight.
- High positioning accuracy.
- Improved tooth jump resistance.
- Reduced noise levels.
- Cost-effective, long-lasting and virtually maintenance-free.
- Temperature range: -30 °C to +100 °C.
- Compatible with and used on GT type sprockets.
- Replaces previous generation PowerGrip GT 2MR, 3MR, 5MR products.
- Drop-in equivalent and compatible with Unitta 2GT, 3GT and 5GT profile.

ORDERING CODE

285-5MGT3-9

285 - Pitch length (mm)

5MGT3 - Pitch 5mm

9 - Belt width (mm)

NOTE: For correct design and tensioning of the belt please use Gates Design Power software, available on www.gates.com

Identification

Durable white marking indicating the belt type and belt dimensions.

PLEASE REFER TO P. 186 FOR SIZE LIST.

SECTIONS AND NOMINAL DIMENSIONS

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
2MGT	2.0	0.71	1.52	74 - 1830
3MGT	3.0	1.12	2.41	105 - 1692
5MGT	5.0	1.92	3.81	200 - 2440

