

24 POWERGRIP GT4 8MGT & 14MGT

PREMIUM EPDM RUBBER SYNCHRONOUS BELT WITH OPTIMISED GT TOOTH PROFILE

Engineered with the latest in advanced technology and materials science expertise, Gates PowerGrip GT4 delivers the highest power-carrying capacity of any belt in its class. Utilising all new advanced materials, Gates designed an ethylene elastomer belt with increased power capacity and wider temperature range capability. The NEW PowerGrip GT4 belt delivers improved performance over a wide range of industrial applications. The 8MGT and 14MGT pitches are the optimum choice for high performance drives in the machine tool, paper and textile industries where durability and low maintenance are required.

CONSTRUCTION

- Newly engineered **EPDM rubber** 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**.
- Standard widths of 20, 30, 50, 85mm (8MGT); 40, 55, 85, 115, 170mm (14MGT). Other widths available on request.
- **Static conductive** (ISO 9563) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.

BENEFITS

- Substantially increased power ratings: up to 25% more than previous PowerGrip GT3 construction.
- Reduced maintenance costs thanks to longer service life.
- Compact, light-weight and cost-effective drives.
- High tooth jump resistance.
- No lubrication needed.
- On demand available in PowerPaint construction, to eliminate paint contamination risk (see p. 40).
- Temperature range: -40°C to +140°C (for intermittent use).
- Halogen-free: environmentally friendly.
- Perfect fit on HTD profile sprockets.



ORDERING CODE

1760-8MGT4-30
1760 - Pitch length (mm)
8MGT4 - Pitch 8mm
30 - 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. 179 FOR SIZE LIST.

SECTIONS AND NOMINAL DIMENSIONS

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.2	5.6	384 - 4400
14MGT	14.0	5.7	9.9	966 - 6860

