

21 POLY CHAIN GT2

POLYURETHANE SYNCHRONOUS BELT WITH OPTIMISED CURVILINEAR GT TOOTH PROFILE

Poly Chain GT2 has been designed for optimum performance on high torque, low speed drives in any industrial application. This lightweight belt features increased power ratings of up to 40% higher than previous constructions while maintaining the same long service life. Poly Chain GT2 operates on Poly Chain GT sprockets. These belts make an excellent alternative to roller chains, requiring neither re-tensioning nor lubrication. Space-saving, weight-saving and money-saving, Poly Chain GT2 drives offer a long and reliable service life.

CONSTRUCTION

- Teeth and body are made of a lightweight **polyurethane compound**, specially blended for adhesion to the cords and fabric. This uniquely formulated polyurethane makes the belt tough and virtually immune to abrasion and chemicals.
- The **aramid tensile cords** provide extraordinary power-carrying capacity.
- The **fabric** covering the teeth is highly resistant to oil, chemicals, pollutants, corrosion and abrasion. It is exceptionally durable and remains fully operational.
- Standard widths of 12, 21, 36, 62mm (8MGT); and 20, 37, 68, 90, 125mm (14MGT).

BENEFITS

- Substantially increased power rating.
- High efficiency positive drive.
- Maintenance-free: no lubrication or re-tensioning needed.
- Savings in space, weight and money.
- Temperatures range: -54 °C to +85 °C.
- Perfect fit on Poly Chain GT profile sprockets.

ORDERING CODE

8MGT-640-12

8MGT - Pitch 8mm
640 - Pitch length (mm)
12 - 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. 163 FOR SIZE LIST.

SECTIONS AND NOMINAL DIMENSIONS

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.4	5.9	640 - 4480
14MGT	14.0	6.0	10.2	994 - 4410

8 mm pitch
14 mm pitch
Tooth height - C
Belt height - B
Pitch - A

For Poly Chain GT 8MGT and 14MGT sprocket range refer to p. 49, 51, 52, 53.