

17 POLY CHAIN CARBON VOLT

ANTI-STATIC POLYURETHANE SYNCHRONOUS BELT WITH OPTIMISED CURVILINEAR GT TOOTH

THE POWER YOU WANT, THE SAFETY YOU NEVER HAD

Antistatic power transmission belts are a must in ATEX environments. To ensure the highest safety standards, their capacity to safely dissipate static electricity should meet the required levels over the lifetime of the belt - and not only when new. The Poly Chain Carbon VOLT belt is the only belt in the market that meets the ISO 9563 standard over the complete lifespan of the belt. Its patented static-conductive jacket construction transfers static electricity safely to carbon tensile cords, away from the driven side of the application – making it your safest and strongest option for applications in ATEX environments.

CONSTRUCTION

- **Static conductive** (ISO 9563) and can as such be used in the conditions described in the directive 2014/34/EU- ATEX.
- Chemically resistant **polyurethane compound** that ensures optimum adhesion with the carbon tensile cords.
- **Carbon cord reinforcement** for high strength and length stability.
- **Nylon fabric facing** that acts as a wear resistant surface, protecting the teeth and keeping frictional losses to a minimum.
- **Curvilinear tooth profile** for improved stress distribution and higher overall loading.
- Standard widths of 12, 21, 36, 62mm (8MGT) and 20, 37, 68, 90, 125mm (14MGT). Other widths available on request.

ORDERING CODE

14MGTV-1890-37

14MGT - Pitch 14mm

V - Carbon VOLT version

1890 - Pitch length (mm)

37 - 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.

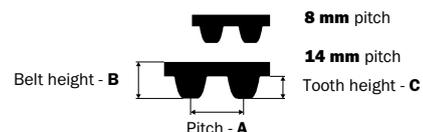
PLEASE REFER TO P. 155 FOR SIZE LIST.

BENEFITS

- Maintains static conductivity over belt lifetime.
- 25% greater power over previous generation Poly Chain GT2.
- 5% energy savings over V-belts.
- 99% efficiency for life of the drive.
- Reduced maintenance and downtime.
- Reduce weight and overhung loads.
- Inert to most acids, chemicals and water.
- Temperature range: -54 °C to + 85 °C.
- Perfect fit on Poly Chain GT profile sprockets.

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



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