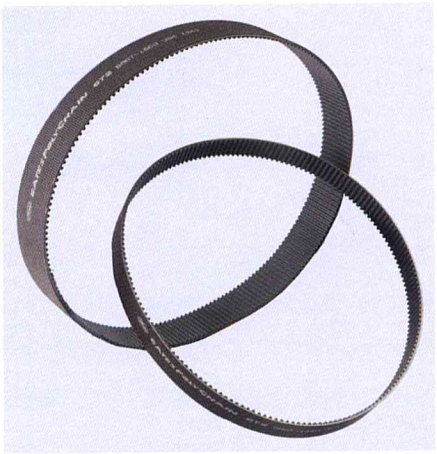
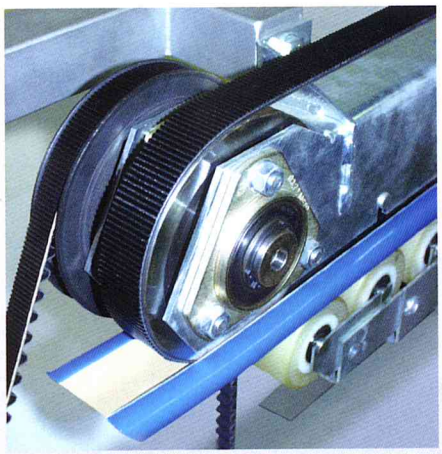


POLY CHAIN® GT2

Polyurethane synchronous belt

Poly Chain® GT2 has been designed for optimum performance also 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 (Poly Chain® GT), while maintaining the same long service life. Poly Chain® GT2 operates on Poly Chain® GT pulleys. Its construction is based on innovative state-of-the-art design. The body and teeth of the belt are made of a unique polyurethane compound, making the belt tough and virtually immune to abrasion and chemical attack. Poly Chain® GT2 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.





Identification

Three part number on the back of the belt indicating tooth pitch, pitch length and belt width in millimeters.

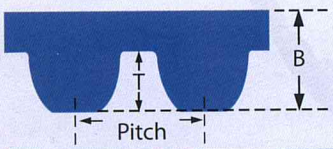
Construction

- 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.
- Flex fatigue life of aramid is exceptional, and its high impact strength withstands shocks and surge loading.
- The fabric covering the teeth is highly resistant to oil, chemicals, pollutants, corrosion and abrasion. It is exceptionally durable and remains fully operational under extreme temperatures from -54°C up to +85°C.
- The fabric facing reduces friction with the pulley, thereby minimising temperature build-up.

Advantages

- Substantially increased power rating.
- High efficiency positive drive.
- Maintenance-free: no lubrication or re-tensioning needed.
- Savings in space, weight and money.

Sections and nominal dimensions



	Pitch mm	T mm	B mm
8MGT	8.0	3.4	5.9
14MGT	14.0	6.0	10.2

NOTE
For correct usage of the belt, please request Gates' Poly Chain® GT2 Drive Design Manual (E2/20109).