



Gates classical synchronous PowerGrip® belt offers a maintenance-free and economical alternative to conventional drives such as chains and gears. Its application range extends from minimum drives (computer printers) to heavy-duty machinery (oil pumps, etc).

CONSTRUCTION

- Trapezoidal tooth form.
- Precisely formed and accurately spaced elastomeric teeth ensure correct engagement with the pulley grooves.
- Fibre glass tensile cords.
- Nylon fabric cover protects the tooth surfaces.
- Standard widths per belt pitch in mm and belt width code:
 - MXL: 3.2 mm (code 012), 4.8 mm (code 019), 6.4 mm (code 025)
 - XL: 6.4 mm (code 025), 7.9 mm (code 031), 9.5 mm (code 037)
 - L: 12.7 mm (code 050), 19.1 mm (code 075), 25.4 mm (code 100)
 - H: 19.1 mm (code 075), 25.4 mm (code 100), 38.1 mm (code 150), 50.8 mm (code 200), 76.2 mm (code 300)
 - XH/XXH: 50.8 mm (code 200), 76.2 mm (code 300), 101.6 mm (code 400), 127 mm (code 500)
- Other widths available on request.
- Belts conform to ISO19347:2015.

BENEFITS

- Power transmission of up to 150 kW and speeds of up to 10,000 rpm.
- Peripheral speed up to 80 m/s.
- Positive slip-proof engagement.
- Constant angular velocity.
- Efficiencies up to 99%.
- Low bearing load because of freedom of high tension.
- Maintenance-free continuity of operation.
- Wide range of load capacities and speed ratios.
- Compact design.
- Economical operation.
- Temperature range: -30 °C to + 100 °C.



Sections and nominal dimensions

Section	Pitch (inch)	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
MXL	2/25 (0.080")	2.032	0.51	1.14	73 - 592
XL	1/5 (0.200")	5.08	1.27	2.3	116 - 1956
L	3/8 (0.375")	9.525	1.91	3.5	314 - 1676
H	1/2 (0.500")	12.7	2.29	4.0	609 - 4318
XH	7/8 (0.875")	22.225	6.36	11.4	1289 - 4445
XXH	1.1/4 (1.250")	31.75	9.53	15.2	1778 - 4572

Ordering code

507-XH-200
 507 - Pitch length in 1/10 inch
 XH - Pitch 7/8" (22.225 mm)
 200 - Belt width 2.0" (50.8 mm)

288-MXL-019
 288 - Pitch length in 1/100 inch
 MXL - Pitch 0.08" (2.032 mm)
 019 - Belt width 0.19" (4.8 mm)

NOTE: For correct design and tensioning of the belt please use Gates DesignFlex® Pro™ Drive design software, available on www.Gates.com/Europe.

Identification

Durable white marking indicating the belt type and belt dimensions.