

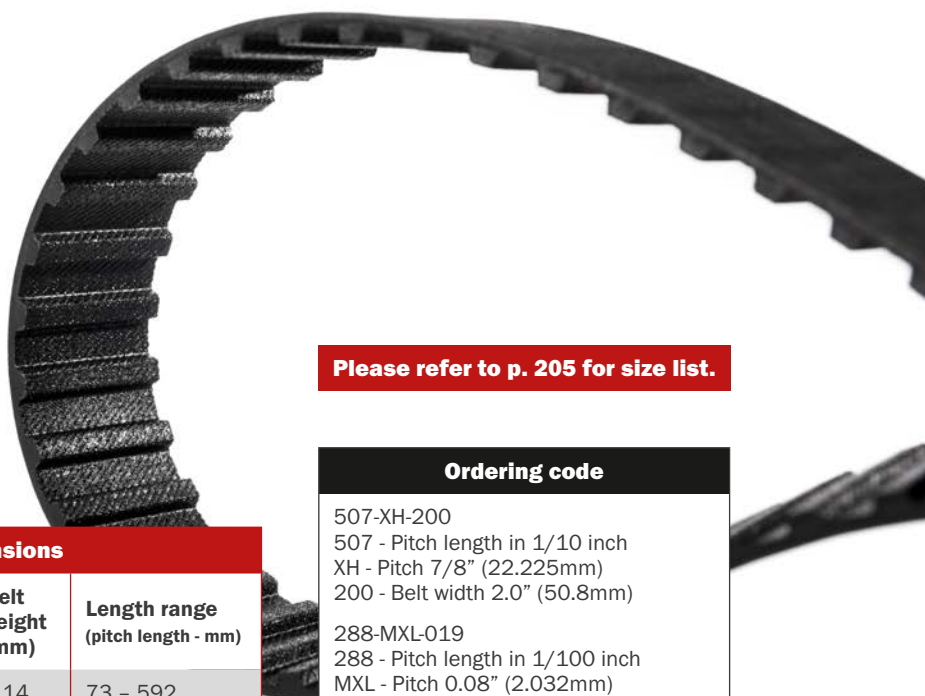
Gates classical synchronous PowerGrip™ belt offers a maintenance-free and economical alternative to conventional drives such as chains and gears. Its application range extends from minimum drives (computer printers) to heavy-duty machinery (oil pumps, etc).

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: 3.2mm (code 012), 4.8mm (code 019), 6.4mm (code 025)
 - XL: 6.4mm (code 025), 7.9mm (code 031), 9.5mm (code 037)
 - L: 12.7mm (code 050), 19.1mm (code 075), 25.4mm (code 100)
 - H: 19.1mm (code 075), 25.4mm (code 100), 38.1mm (code 150), 50.8mm (code 200), 76.2mm (code 300)
 - XH/XXH: 50.8mm (code 200), 76.2mm (code 300), 101.6mm (code 400), 127mm (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 80m/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.



Please refer to p. 205 for size list.

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" (22.225mm)
200 - Belt width 2.0" (50.8mm)

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

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

Identification

Durable white marking indicating the belt type and belt dimensions.

MXL (CONTINUED)

Description	Pitch length	nr of teeth	Stock	New size
mm				
1000-MXL	254.00	125		
1008-MXL	256.03	126		
1016-MXL	258.06	127		
1032-MXL	262.13	129		
1040-MXL	264.16	130	●	
1056-MXL	268.22	132	●	
1072-MXL	272.29	134		
1112-MXL	282.45	139	●	
1120-MXL	284.48	140	●	
1144-MXL	290.58	143		
1160-MXL	294.64	145	●	
1200-MXL	304.80	150	●	
1240-MXL	314.96	155		
1264-MXL	321.06	158		
1280-MXL	325.12	160	●	
1320-MXL	335.28	165		
1400-MXL	355.60	175	●	
1472-MXL	373.89	184	●	
1520-MXL	386.08	190		
1560-MXL	396.24	195		
1600-MXL	406.40	200	●	
1680-MXL	426.72	210	●	
1768-MXL	449.07	221	●	
1800-MXL	457.20	225		
1832-MXL	465.33	229		
1856-MXL	471.42	232		
1880-MXL	477.52	235	●	
1960-MXL	497.84	245		
1984-MXL	503.94	248		
1992-MXL	505.97	249		
2048-MXL	520.19	256		
2136-MXL	542.54	267		
2240-MXL	568.96	280		
2360-MXL	599.44	295		
2384-MXL	605.54	298		
2400-MXL	609.60	300		
2520-MXL	640.08	315	●	
2544-MXL	646.18	318		
2776-MXL	705.10	347		
2880-MXL	731.52	360		
2976-MXL	755.90	372		
3120-MXL	792.48	390		
3200-MXL	812.80	400		
3264-MXL	829.06	408		
3296-MXL	837.18	412	●	
3360-MXL	853.44	420		
3392-MXL	861.57	424		
3472-MXL	881.89	434		
3800-MXL	965.20	475		
3904-MXL	991.62	488		
3984-MXL	1011.94	498		
4000-MXL	1016.00	500		
4368-MXL	1109.47	546		
4736-MXL	1202.94	592	●	

Standard widths*	
mm	code
3.2	012
4.8	019
6.4	025

* Other widths available on request.