

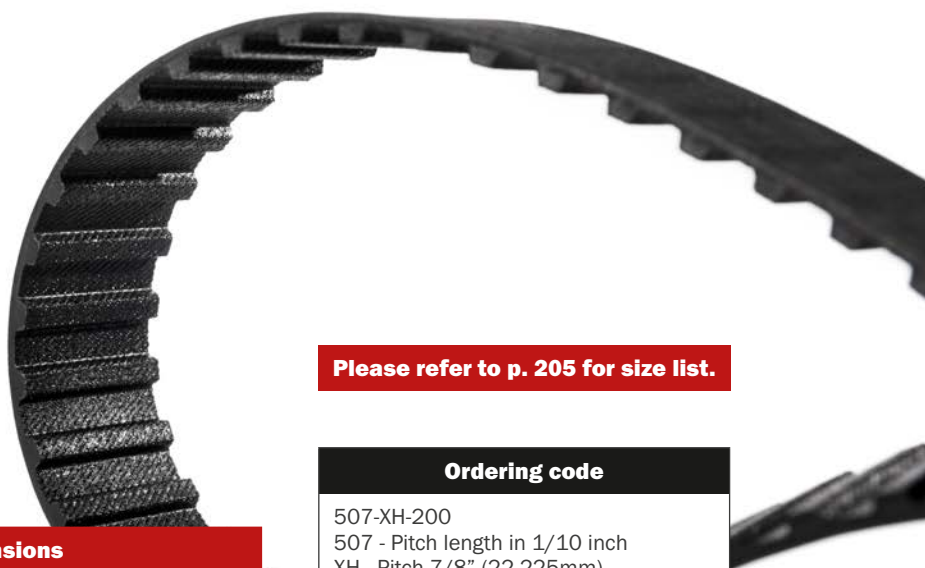
Gates classical synchronous PowerGrip™ belt offers a maintenance-free and economical alternative to conventional drives such as chains and gears. Its application range extends from minimum drives (computer printers) to heavy-duty machinery (oil pumps, etc).

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

Description	Pitch length	nr of teeth	Stock	New size
	mm			
288-MXL	73.15	36		
296-MXL	75.18	37		
320-MXL	81.28	40		
360-MXL	91.44	45		
400-MXL	101.60	50		
424-MXL	107.70	53		
432-MXL	109.73	54		
440-MXL	111.76	55		
448-MXL	113.79	56		
456-MXL	115.82	57		
464-MXL	117.86	58		
472-MXL	119.89	59		
480-MXL	121.92	60	●	
488-MXL	123.95	61		
504-MXL	128.02	63		
520-MXL	132.08	65		
536-MXL	136.14	67	●	
544-MXL	138.18	68		
552-MXL	140.21	69		
560-MXL	142.24	70		
568-MXL	144.27	71		
576-MXL	146.30	72	●	
584-MXL	148.34	73	●	
592-MXL	150.37	74		
600-MXL	152.40	75	●	
608-MXL	154.43	76	●	
616-MXL	156.46	77		
632-MXL	160.53	79		
640-MXL	162.56	80	●	
648-MXL	164.59	81		
656-MXL	166.62	82	●	
664-MXL	168.66	83		
672-MXL	170.69	84		
680-MXL	172.72	85		
696-MXL	176.78	87		
704-MXL	178.82	88		
720-MXL	182.88	90		
736-MXL	186.94	92		
752-MXL	191.01	94	●	
760-MXL	193.04	95		
776-MXL	197.10	97		
800-MXL	203.20	100		
808-MXL	205.23	101		
824-MXL	209.30	103		
840-MXL	213.36	105	●	
848-MXL	215.39	106		
856-MXL	217.42	107		
872-MXL	221.49	109		
880-MXL	223.52	110	●	
912-MXL	231.65	114		
944-MXL	239.78	118		
960-MXL	243.84	120		
976-MXL	247.90	122		
984-MXL	249.94	123		

Standard widths*	
mm	code
3.2	012
4.8	019
6.4	025

* Other widths available on request.