

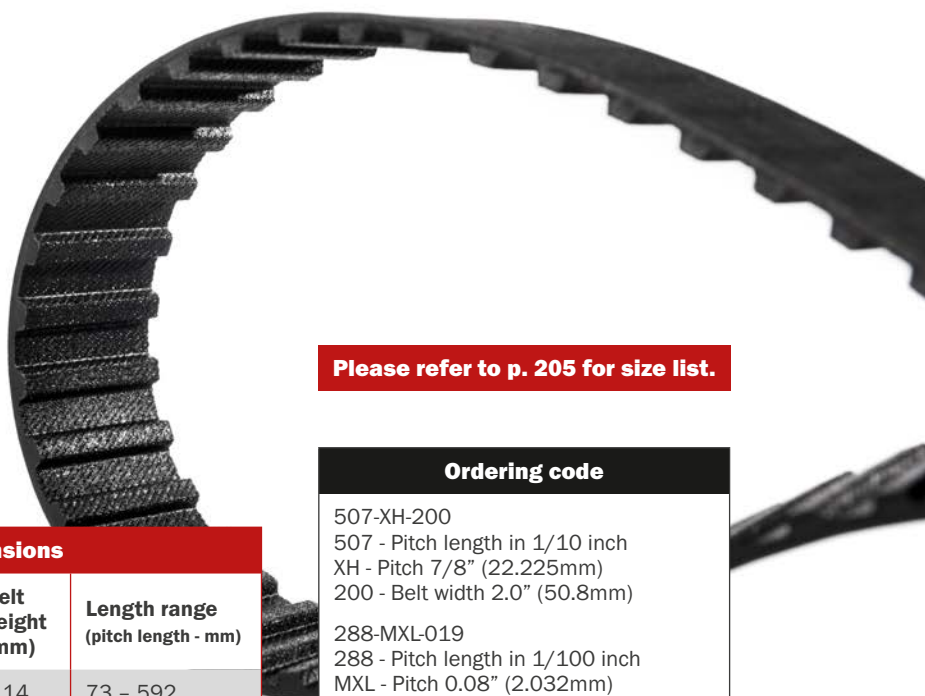
Gates classical synchronous PowerGrip™ belt offers a maintenance-free and economical alternative to conventional drives such as chains and gears. Its application range extends from minimum drives (computer printers) to heavy-duty machinery (oil pumps, etc).

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.

**XL (CONTINUED)**

Description	Pitch length	nr of teeth	Stock	New size
mm				
182-XL	462.28	91	●	
184-XL	467.36	92		
188-XL	477.52	94		
190-XL	482.60	95	●	
192-XL	487.68	96		
194-XL	492.76	97		
196-XL	497.84	98		
198-XL	502.92	99		
200-XL	508.00	100	●	
202-XL	513.08	101		
204-XL	518.16	102		
208-XL	528.32	104		
210-XL	533.40	105	●	
212-XL	538.48	106		
214-XL	543.56	107		
220-XL	558.80	110	●	
228-XL	579.12	114		
230-XL	584.20	115	●	
232-XL	589.28	116		
234-XL	594.36	117		
240-XL	609.60	120	●	
250-XL	635.00	125	●	
260-XL	660.40	130	●	
264-XL	670.56	132		
270-XL	685.80	135	●	
274-XL	695.96	137		
280-XL	711.20	140	●	
284-XL	721.36	142		
286-XL	726.44	143		
290-XL	736.60	145	●	
296-XL	751.84	148		
300-XL	762.00	150	●	
306-XL	777.24	153		
310-XL	787.40	155	●	
316-XL	802.64	158	●	
322-XL	817.88	161		
330-XL	838.20	165	●	
340-XL	863.60	170	●	
344-XL	873.76	172		
348-XL	883.92	174		
350-XL	889.00	175		
352-XL	894.08	176		
362-XL	919.48	181	●	
372-XL	944.88	186		
380-XL	965.20	190		
382-XL	970.28	191		
384-XL	975.36	192		
390-XL	990.60	195	●	
392-XL	995.68	196		
404-XL	1026.16	202		
412-XL	1046.48	206		
424-XL	1076.96	212	●	

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

* Other widths available on request.