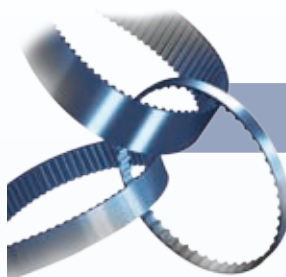




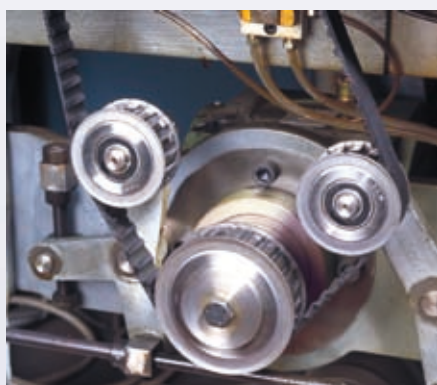
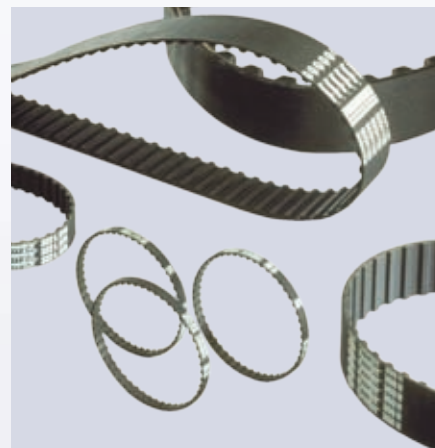
SYNCHRONOUS BELTS FOR A WIDE VARIETY OF APPLICATIONS



POWERGRIP® XL, L, H, XH & XXH

Classical synchronous belt

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



Identification

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

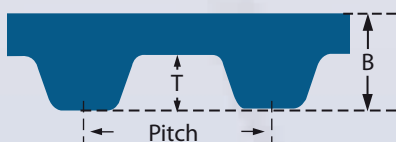
Construction

- Trapezoidal tooth form.
- Precisely formed and accurately spaced elastomeric teeth ensure correct engagement with the pulley grooves.
- Fibreglass tensile cords.
- Nylon fabric cover protects the tooth surfaces.
- Available in standard pitches according to ISO 5296: MXL, XL, L, H, XH, XXH. For MXL sizes and description, see chapter on PowerGrip® MXL on pages 54-55.

Advantages

- 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.

Sections and nominal dimensions



	Pitch inch	T mm	B mm
XL	1/5	1.27	2.3
L	3/8	1.91	3.5
H	1/2	2.29	4.0
XH	7/8	6.36	11.4
XXH	1.1/4	9.53	15.2

NOTE

For correct usage of the belt please request Gates' Synchronous Belt Drive Design Manual (E2/20099).



MXL

Pitch: 0.08" (2.032 mm)

Description	Pitch length mm	Number of teeth	Description	Pitch length mm	Number of teeth
288-MXL	73.15	36	1264-MXL	321.05	158
296-MXL	75.18	37	1280-MXL	325.12	160
320-MXL	81.28	40	1320-MXL	335.28	165
360-MXL	91.44	45	1400-MXL	355.60	175
400-MXL	101.60	50	1472-MXL	373.88	184
424-MXL	107.69	53	1520-MXL	386.08	190
432-MXL	109.72	54	1560-MXL	396.24	195
440-MXL	111.76	55	1600-MXL	406.40	200
448-MXL	113.79	56	1680-MXL	426.72	210
456-MXL	115.82	57	1768-MXL	449.07	221
464-MXL	117.86	58	1800-MXL	457.20	225
472-MXL	119.89	59	1832-MXL	465.33	229
480-MXL	121.92	60	1856-MXL	471.42	232
488-MXL	123.95	61	1880-MXL	477.52	235
504-MXL	128.01	63	1960-MXL	497.84	245
520-MXL	132.08	65	1984-MXL	503.93	248
536-MXL	136.14	67	1992-MXL	505.96	249
544-MXL	138.17	68	2048-MXL	520.19	256
552-MXL	140.20	69	2136-MXL	542.54	267
560-MXL	142.24	70	2240-MXL	568.96	280
568-MXL	144.27	71	2360-MXL	599.44	295
576-MXL	146.30	72	2384-MXL	605.53	298
584-MXL	148.33	73	2400-MXL	609.60	300
592-MXL	150.36	74	2520-MXL	640.08	315
600-MXL	152.40	75	2544-MXL	646.17	318
608-MXL	154.43	76	2608-MXL	662.43	326
616-MXL	156.46	77	2776-MXL	705.10	347
632-MXL	160.52	79	2864-MXL	727.45	358
640-MXL	162.56	80	2880-MXL	731.52	360
648-MXL	164.59	81	2968-MXL	753.87	371
656-MXL	166.62	82	2976-MXL	755.90	372
664-MXL	168.65	83	3120-MXL	792.48	390
672-MXL	170.68	84	3200-MXL	812.80	400
680-MXL	172.72	85	3264-MXL	829.05	408
696-MXL	176.78	87	3296-MXL	837.18	412
704-MXL	178.81	88	3360-MXL	853.44	420
720-MXL	182.88	90	3392-MXL	861.56	424
736-MXL	186.94	92	3448-MXL	875.79	431
752-MXL	191.00	94	3472-MXL	881.88	434
760-MXL	193.04	95	3704-MXL	940.81	463
776-MXL	197.10	97	3800-MXL	965.20	475
800-MXL	203.20	100	3904-MXL	991.61	488
808-MXL	205.23	101	3984-MXL	1011.93	498
824-MXL	209.29	103	4000-MXL	1016.00	500
840-MXL	213.36	105	4040-MXL	1026.16	505
848-MXL	215.39	106	4368-MXL	1109.47	546
856-MXL	217.42	107	4736-MXL	1202.94	592
864-MXL	219.45	108	4896-MXL	1243.58	612
872-MXL	221.48	109	5448-MXL	1383.79	681
880-MXL	223.52	110	Available in widths of 3.2 mm (code 012), 4.8 mm (code 019) and 6.4 mm (code 025).		
912-MXL	231.64	114			
944-MXL	239.77	118			
960-MXL	243.84	120			
976-MXL	247.90	122			
984-MXL	249.93	123			
1000-MXL	254.00	125			
1008-MXL	256.03	126			
1016-MXL	258.06	127			
1032-MXL	262.12	129			
1040-MXL	264.16	130			
1056-MXL	268.22	132			
1072-MXL	272.28	134			
1112-MXL	282.44	139			
1120-MXL	284.48	140			
1144-MXL	290.57	143			
1160-MXL	294.64	145			
1200-MXL	304.80	150			
1240-MXL	314.96	155			

PowerGrip® MXL ordering code is composed as follows:

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)

Dimensions in bold are available from stock.