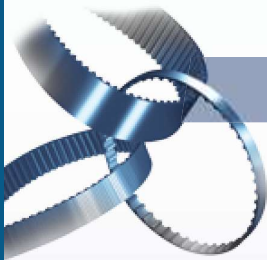




HIGH PRECISION SYNCHRONOUS BELTS



POWERGRIP® MXL *Classical synchronous belt*

The PowerGrip® MXL belt is a classical synchronous belt with a pitch of 0.08" (2.032 mm). It is recommended for applications where maximum synchronisation, small package and high speed are required. Space-saving and highly stable, this belt is the ideal solution to precision drives such as office machines and computers.



Identification

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

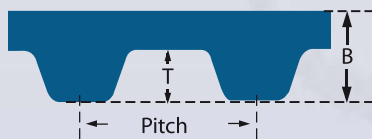
Construction

- Trapezoidal tooth form.
- Elastomeric backing and teeth combine durability and light weight.
- Nylon facing protects and reinforces the tooth surfaces.
- Fibreglass cords provide length stability and flexibility.

Advantages

- Power transmission of up to 0.8 kW and speeds of up to 20,000 rpm.
- MXL belts allow small pulley diameters (from 6 mm diameter) with a maximum number of teeth in mesh.
- Highly suitable for stepper motors.
- Accurate positioning.
- Very stable.

Sections and nominal dimensions



	Pitch inch	T mm	B mm
MXL	0.08	0.51	1.14

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.