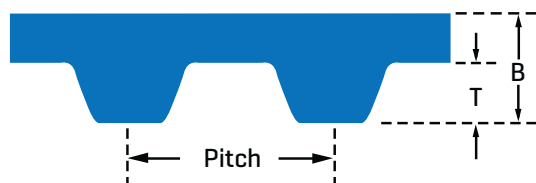


POWERGRIP® - XL, L, H, XH AND XXH

Rubber, classical pitch, synchronous belt with fibreglass cords



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].



SECTIONS & NOMINAL DIMENSIONS:

	Pitch (inch)	T (mm)	B (mm)
XL	1/5 [5.080mm]	1.27	2.3
L	3/8 [9.525mm]	1.91	3.5
H	1/2 [12.7mm]	2.29	4.0
XH	7/8 [22.225mm]	6.35	11.4
XXH	1.1/4 [31.75mm]	9.53	15.2

Construction

- > Trapezoidal tooth form.
- > Precisely formed and accurately spaced elastomeric teeth ensure correct engagement in the pulley grooves.
- > Fibreglass tensile cords.
- > Tough nylon facing protects and reinforces the tooth surface.
- > For MXL sizes and description, see pages 109.

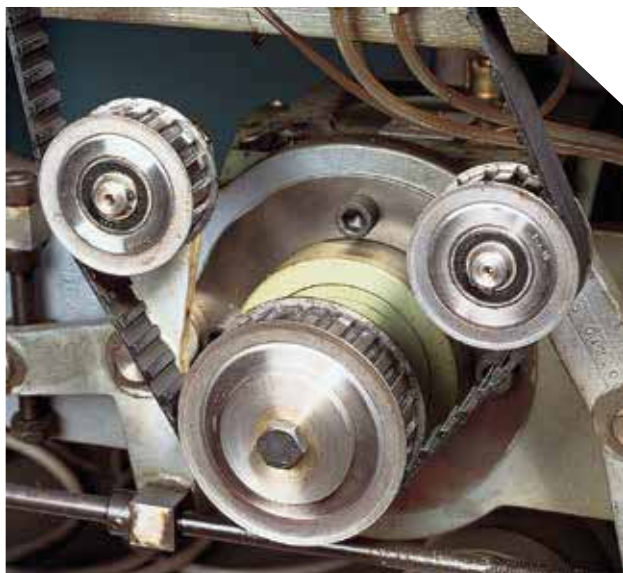
Advantages

- > Power transmission of up to 150kW 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%.
- > Maintenance free.
- > Wide range of load capacities and speed ratios.
- > Back idlers can be used.

Temperature Range

-30°C to +100°C

Synchronous
Belts



POWERGRIP® ORDERING CODE IS COMPOSED AS FOLLOWS:

507XH200

507	- Pitch length [1/10 inch]
XH	- Pitch 7/8" [22.225mm]
200	- Belt width code - 2.00"

POWERGRIP®

Synchronous Belts

XL		
Pitch: 1/5" [5.080 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
42XL	106.68	21
46XL	116.84	23
50XL	127.00	25
54XL	137.16	27
56XL	142.24	28
58XL	147.32	29
60XL	152.40	30
62XL	157.48	31
64XL	162.56	32
66XL	167.64	33
68XL	172.72	34
70XL	177.80	35
72XL	182.88	36
74XL	187.96	37
76XL	193.04	38
78XL	198.12	39
80XL	203.20	40
82XL	208.28	41
84XL	213.36	42
86XL	218.44	43
88XL	223.52	44
90XL	228.60	45
92XL	233.68	46
94XL	238.76	47
96XL	243.84	48
98XL	248.92	49
100XL	254.00	50
102XL	259.08	51
104XL	264.16	52
106XL	269.24	53
108XL	274.32	54
110XL	279.40	55
112XL	284.48	56
114XL	289.56	57
116XL	294.64	58
118XL	299.72	59
120XL	304.80	60
122XL	309.88	61
124XL	314.96	62
126XL	320.04	63
128XL	325.12	64
130XL	330.20	65
132XL	335.28	66
134XL	340.36	67
136XL	345.44	68
138XL	350.52	69
140XL	355.60	70
142XL	360.68	71
144XL	365.76	72
146XL	370.84	73

XL Cont.		
Pitch: 1/5" [5.080 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
148XL	375.92	74
150XL	381.00	75
152XL	386.08	76
154XL	391.16	77
156XL	396.24	78
158XL	401.32	79
160XL	406.40	80
162XL	411.48	81
164XL	416.56	82
166XL	421.64	83
168XL	426.72	84
170XL	431.80	85
172XL	436.88	86
174XL	441.96	87
176XL	447.04	88
178XL	452.12	89
180XL	457.20	90
182XL	462.28	91
184XL	467.36	92
186XL	472.44	93
188XL	477.52	94
190XL	482.60	95
192XL	487.68	96
194XL	492.76	97
196XL	497.84	98
198XL	502.92	99
200XL	508.00	100
202XL	513.08	101
204XL	518.16	102
206XL	523.24	103
208XL	528.32	104
210XL	533.40	105
212XL	538.48	106
214XL	543.56	107
218XL	553.72	109
220XL	558.80	110
222XL	563.88	111
224XL	568.96	112
226XL	574.04	113
228XL	579.12	114
230XL	584.20	115
232XL	589.28	116
234XL	594.36	117
236XL	599.44	118
240XL	609.60	120
244XL	619.76	122
246XL	624.84	123
248XL	629.92	124
250XL	635.00	125
254XL	645.16	127

XL Cont.		
Pitch: 1/5" [5.080 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
258XL	655.32	129
260XL	660.40	130
262XL	665.48	131
264XL	670.56	132
266XL	675.64	133
268XL	680.72	134
270XL	685.80	135
274XL	695.96	137
276XL	701.04	138
278XL	706.12	139
280XL	711.20	140
284XL	721.36	142
286XL	726.44	143
290XL	736.60	145
296XL	751.84	148
298XL	756.92	149
300XL	762.00	150
302XL	767.08	151
306XL	777.24	153
310XL	787.40	155
316XL	802.64	158
320XL	812.80	160
322XL	817.88	161
330XL	838.20	165
332XL	843.28	166
338XL	858.52	169
340XL	863.60	170
344XL	873.76	172
348XL	883.92	174
350XL	889.00	175
352XL	894.08	176
356XL	904.24	178
360XL	914.40	180
362XL	919.48	181
364XL	924.56	182
370XL	939.80	185
372XL	944.88	186
376XL	955.04	188
380XL	965.20	190
382XL	970.28	191
384XL	975.36	192
386XL	980.44	193
390XL	990.60	195
392XL	995.68	196
396XL	1005.84	198
400XL	1016.00	200
404XL	1026.16	202
412XL	1046.48	206
420XL	1066.80	210
424XL	1076.96	212