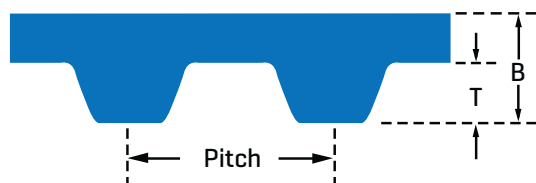


POWERGRIP® - XL, L, H, XH AND XXH

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.

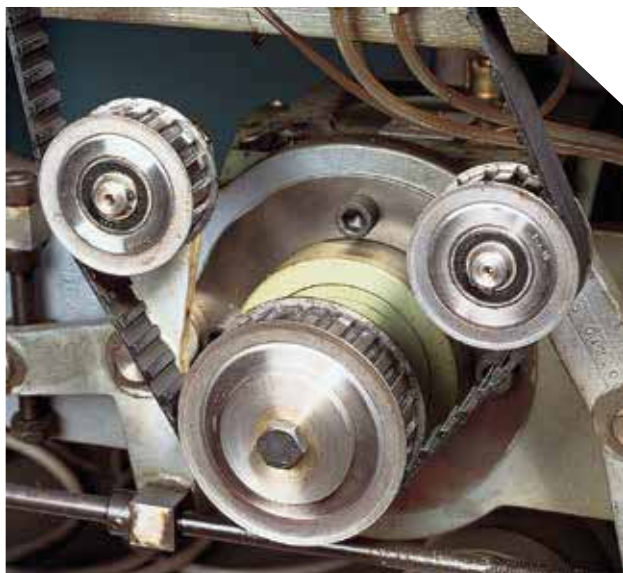
Advantages

- > 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®

XL Cont.		
Pitch: 1/5" [5.080 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
432XL	1097.28	216
434XL	1102.36	217
438XL	1112.52	219
444XL	1127.76	222
450XL	1143.00	225
454XL	1153.16	227
460XL	1168.40	230
468XL	1188.72	234
470XL	1193.80	235
480XL	1219.20	240
490XL	1244.60	245
492XL	1249.68	246
498XL	1264.92	249
500XL	1270.00	250
506XL	1285.24	253
522XL	1325.88	261
524XL	1330.96	262
532XL	1351.28	266
540XL	1371.60	270
554XL	1407.16	277
560XL	1422.40	280
564XL	1432.56	282
570XL	1447.80	285
580XL	1473.20	290
592XL	1503.68	296
612XL	1554.48	306
630XL	1600.20	315
648XL	1645.92	324
670XL	1701.80	335
672XL	1706.88	336
690XL	1752.60	345
736XL	1869.44	368
770XL	1955.80	385
788XL	2001.52	394
810XL	2057.40	405
850XL	2159.00	425
860XL	2184.40	430
888XL	2255.52	444

Available in widths of
6.4mm [code 025], 7.9mm [code 031] and 9.5mm [code 037].

L		
Pitch: 3/8" [9.525 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
98L	247.65	26
109L	276.23	29
124L	314.33	33
131L	333.38	35
135L	342.90	36
150L	381.00	40
154L	390.53	41
158L	400.05	42
165L	419.10	44
169L	428.63	45
173L	438.15	46
176L	447.68	47
187L	476.25	50
195L	495.30	52
199L	504.83	53
203L	514.35	54
206L	523.88	55
210L	533.40	56
218L	552.45	58
225L	571.50	60
236L	600.08	63
240L	609.60	64
244L	619.13	65
248L	628.65	66
251L	638.18	67
255L	647.70	68
259L	657.23	69
263L	666.75	70
270L	685.80	72
277L	704.85	74
285L	723.90	76
300L	762.00	80
315L	800.10	84
319L	809.63	85
322L	819.15	86
334L	847.73	89
345L	876.30	92
360L	914.40	96
367L	933.45	98
375L	952.50	100
390L	990.60	104
394L	1000.13	105
405L	1028.70	108
420L	1066.80	112
427L	1085.85	114
435L	1104.90	116
446L	1133.48	119
450L	1143.00	120
461L	1171.58	123
465L	1181.10	124

L Cont.		
Pitch: 3/8" [9.525 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
480L	1219.20	128
510L	1295.40	136
525L	1333.50	140
540L	1371.60	144
566L	1438.28	151
570L	1447.80	152
578L	1466.85	154
581L	1476.38	155
600L	1524.00	160
619L	1571.63	165
630L	1600.20	168
660L	1676.40	176
720L	1828.80	192
731L	1857.38	195
817L	2076.45	218
863L	2190.75	230
900L	2286.00	240
915L	2324.10	244
945L	2400.30	252

Available in widths of
12.7mm [code 050], 19.1mm [code 075] and 25.4mm [code 100].