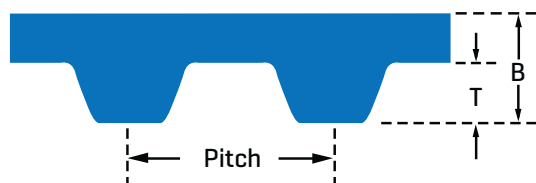


POWERGRIP® - XL, L, H, XH AND XXH

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.

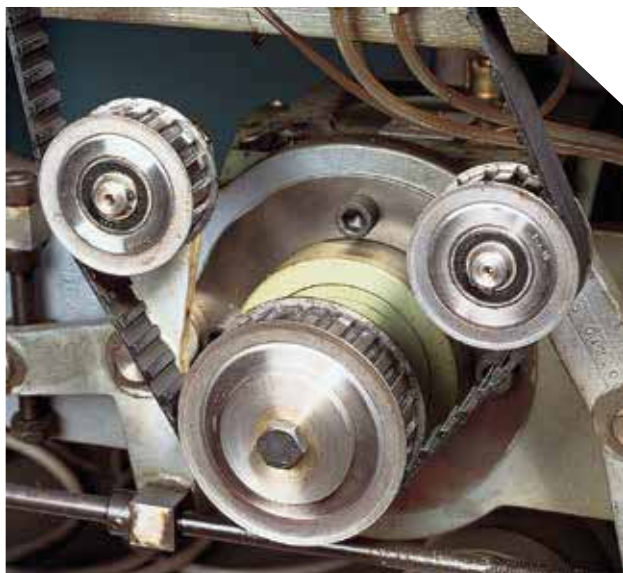
Advantages

- > 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®

H		
Pitch: 1/2" [12.7 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
210H	533.40	42
220H	558.80	44
225H	571.50	45
230H	584.20	46
240H	609.60	48
255H	647.70	51
270H	685.80	54
280H	711.20	56
300H	762.00	60
310H	787.40	62
315H	800.10	63
320H	812.80	64
330H	838.20	66
340H	863.60	68
350H	889.00	70
360H	914.40	72
370H	939.80	74
375H	952.50	75
390H	990.60	78
400H	1016.00	80
410H	1041.40	82
415H	1054.10	83
420H	1066.80	84
430H	1092.20	86
440H	1117.60	88
445H	1130.30	89
450H	1143.00	90
455H	1155.70	91
465H	1181.10	93
480H	1219.20	96
485H	1231.90	97
490H	1244.60	98
495H	1257.30	99
510H	1295.40	102
520H	1320.80	104
525H	1333.50	105
540H	1371.60	108
555H	1409.70	111
560H	1422.40	112
570H	1447.80	114
580H	1473.20	116
585H	1485.90	117
600H	1524.00	120
605H	1536.70	121
615H	1562.10	123
630H	1600.20	126
640H	1625.60	128
645H	1638.30	129
655H	1663.70	131
660H	1676.40	132

H Cont.		
Pitch: 1/2" [12.7 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
670H	1701.80	134
680H	1727.20	136
700H	1778.00	140
730H	1854.20	146
750H	1905.00	150
775H	1968.50	155
780H	1981.20	156
800H	2032.00	160
810H	2057.40	162
820H	2082.80	164
840H	2133.60	168
850H	2159.00	170
885H	2247.90	177
900H	2286.00	180
905H	2298.70	181
950H	2413.00	190
960H	2438.40	192
1000H	2540.00	200
1100H	2794.00	220
1120H	2844.80	224
1130H	2870.20	226
1140H	2895.60	228
1180H	2997.20	236
1250H	3175.00	250
1325H	3365.50	265
1345H	3416.30	269
1350H	3429.00	270
1365H	3467.10	273
1400H	3556.00	280
1460H	3708.40	292
1510H	3835.40	302
1550H	3937.00	310
1645H	4178.30	329
1680H	4267.20	336
1700H	4318.00	340
2090H	5308.60	418
2100H	5334.00	420
2120H	5384.80	424
2330H	5918.20	466

Available in widths of
19.1mm [code 075], 25.4mm [code 100], 38.1mm [code 150], 50.8mm [code 200], and 76.2mm [code 300].

XH		
Pitch: 7/8" [22.225 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
507XH	1289.05	58
560XH	1422.40	64
630XH	1600.20	72
700XH	1778.00	80
761XH	1933.58	87
770XH	1955.80	88
787XH	2000.25	90
831XH	2111.38	95
840XH	2133.60	96
875XH	2222.50	100
910XH	2311.40	104
980XH	2489.20	112
1120XH	2844.80	128
1260XH	3200.40	144
1400XH	3556.00	160
1540XH	3911.60	176
1680XH	4267.20	192
1750XH	4445.00	200

Available in widths of
50.8mm [code 200], 76.2mm [code 300], 101.6mm [code 400], and 127mm [code 500].

XXH		
Pitch: 1 1/4" [31.75 mm]		
Pitch & Length Designation	Pitch Length [mm]	No. of Teeth
700XXH	1778.00	56
800XXH	2032.00	64
900XXH	2286.00	72
1000XXH	2540.00	80
1200XXH	3048.00	96
1400XXH	3556.00	112
1600XXH	4064.00	128
1800XXH	4572.00	144

Available in widths of
50.8mm [code 200], 76.2mm [code 300], 101.6mm [code 400], and 127mm [code 500].