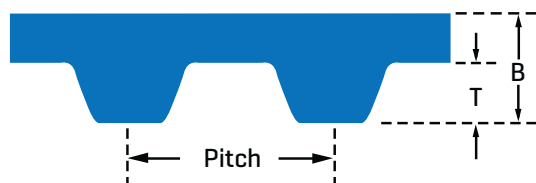


POWERGRIP® - XL, L, H, XH AND XXH

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.

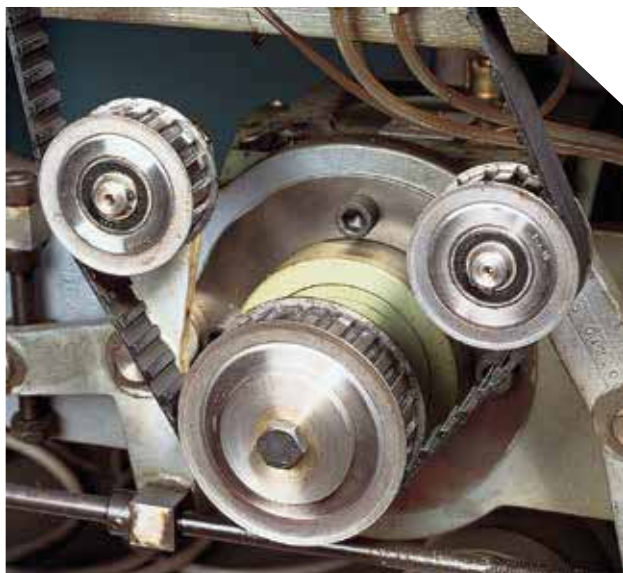
Advantages

- > 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® TWIN POWER®

TPH		
Pitch: 1/2" (12.7 mm)		
Pitch & Length Designation	Pitch Length (mm)	No. of Teeth
TP210H	533.40	42
TP220H	558.80	44
TP225H	571.50	45
TP230H	584.20	46
TP240H	609.60	48
TP255H	647.70	51
TP270H	685.80	54
TP280H	711.20	56
TP300H	762.00	60
TP310H	787.40	62
TP315H	800.10	63
TP320H	812.80	64
TP330H	838.20	66
TP340H	863.60	68
TP350H	889.00	70
TP360H	914.40	72
TP370H	939.80	74
TP390H	990.60	78
TP400H	1016.00	80
TP410H	1041.40	82
TP415H	1054.10	83
TP420H	1066.80	84
TP430H	1092.20	86
TP445H	1130.30	89
TP450H	1143.00	90
TP455H	1155.70	91
TP465H	1181.10	93
TP480H	1219.20	96
TP485H	1231.90	97
TP490H	1244.60	98
TP495H	1257.30	99
TP510H	1295.40	102
TP525H	1333.50	105
TP540H	1371.60	108
TP555H	1409.70	111
TP560H	1422.40	112
TP570H	1447.80	114
TP580H	1473.20	116
TP585H	1485.90	117
TP600H	1524.00	120
TP605H	1536.70	121
TP630H	1600.20	126
TP640H	1625.60	128
TP645H	1638.30	129
TP655H	1663.70	131
TP660H	1676.40	132
TP680H	1727.20	136
TP700H	1778.00	140
TP730H	1854.20	146
TP750H	1905.00	150

TPH Cont.		
Pitch: 1/2" (12.7 mm)		
Pitch & Length Designation	Pitch Length (mm)	No. of Teeth
TP775H	1968.50	155
TP780H	1981.20	156
TP800H	2032.00	160
TP820H	2082.80	164
TP840H	2133.60	168
TP850H	2159.00	170
TP900H	2286.00	180
TP950H	2413.00	190
TP960H	2438.40	192
TP1000H	2540.00	200
TP1100H	2794.00	220
TP1120H	2844.80	224
TP1130H	2870.20	226
TP1140H	2895.60	228
TP1180H	2997.20	236
TP1250H	3175.00	250
TP1345H	3416.30	269
TP1400H	3556.00	280
TP1510H	3835.40	302
TP1550H	3937.00	310
TP1645H	4178.30	329
TP1680H	4267.20	336
TP1700H	4318.00	340
TP2090H	5308.60	418
TP2100H	5334.00	420
TP2120H	5384.80	424
TP2330H	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).