

Gates Synchro-Power® Cast Belts Specifications - available up to 2250 mm

			T2.5	T5	DT5	AT5	T10	DT10	AT10
Pitch			2.5 mm	5 mm	5 mm	5 mm	10 mm	10 mm	10 mm
Ultimate Tensile Strength per Inch or 25mm Belt Width	Steel	lbf/in	260	740	740	1360	1650	1650	2250
		N/25 mm	1160	3290	3290	6050	7340	7340	10010
	Kevlar	lbf/in	N/A	1210	1210	N/A	1490	1490	N/A
		N/25 mm	N/A	5380	5380	N/A	6630	6630	N/A
Max. Allowable Belt Tension per Inch or 25 mm Belt Width	Steel or Kevlar	lbf/in	60	180	180	340	410	410	560
		N/25 mm	270	800	800	1510	1820	1820	2490
Allowable Effective Tension for Belt Teeth (15 and More Teeth in Mesh)		lbf/in	60	200	200	290	380	380	580
		N/25 mm	270	890	890	1290	1690	1690	2580
Specific Belt Weight	Steel	lbf/ft/in	0.024	0.035	0.044	0.058	0.075	0.101	0.111
		kgf/m/cm	0.014	0.021	0.026	0.034	0.044	0.059	0.065
	Kevlar	lbf/ft/in	N/A	0.033	0.037	N/A	0.062	0.082	N/A
		kgf/m/cm	N/A	0.020	0.023	N/A	0.036	0.048	N/A
Minimum Number of Pulley Teeth			12	10	12	15	14	18	15
Min. Pitch Diameter			10 mm	16 mm	20 mm	24 mm	45 mm	57 mm	48 mm
Min. Diameter of Tension Idler Running on Back of Belt		inch	0.787	1.125	0.787	2.375	3.125	2.250	4.750
		mm	20	30	20	60	80	57	120
Service Temperature Range			-5° C to +70° C (23° F to 158° F)						
Hardness			90 Shore A						
Standard Color			Natural, Blue						