Wide Belt Specifications

			WH	WT10	GMT3™
Pitch (Imperial and metric)			**.500"**	**10mm**	**3 mm**
Ultimate Tensile Strength per Inch or 25mm Belt Width	Kevlar	lbf/in N/25mm	800 3557	800 3557	420 1870
Max. Allowable Belt Tension per Inch or 25mm Belt Width	Kevlar Welded	lbf/in N/25mm	71 315	71 315	50 220
Allowable Effective Tension for the Belt Teeth (15 and More Teeth in Mesh)		lbf/in N/25mm	330 1470	281 1250	100 440
Specific Belt Weight	Kevlar	lbf/ft/in kgf/m/cm	0.056 0.033	0.066 0.039	0.033 0.020
Specific Belt Stiffness (Open Ended)	Kevlar	lbf/in N/mm	23983 4200	23983 4200	14750 2580
Min. No. of Pulley Teeth			14	16	20
Min. Pitch Diameter (Inch or mm)			2.23"	51 mm	19 mm
Min. Diameter of Tensioning Idler Running on Back of Belt		inch mm	3.12 80	3.12 80	1.125 30
Available in FDA Compliant Construction (85 shore A Urethane)			Yes	Yes	Yes
Standard Color			Natural	Natural	White/PosiBlue
Min. Welded Belt Length			33"	850 mm	1002 mm
Standard Roll Length			200 ft	60 m	60 m
Standard Slitting Lanes			N/A	N/A	25 mm
Min. Width Available			6"	150 mm	100 mm
Max. Width Available			18"	450 mm	450 mm
Width Tolerance			+/- .060"	+/-1.0 mm	± 1.0 mm

Service Temperature Range	–5° C to 70° C (23° F to 158° F)	
Hardness, Shore A	92 Shore A - Standard PU, 85 Shore A - FDA Compliant PU	
Coefficient of Friction	Urethane vs. Steel (dry)	0.5 to 0.7
	Urethane vs. Aluminum (dry)	0.5 to 0.6
	Urethane vs. UHMWPE (dry)	0.2 to 0.4
	Nylon vs. Steel (dry)	0.2 to 0.4
	Nylon vs. UHMWPE (dry)	0.1 to 0.3

The specifications listed are based on Gates Mectrol's experience. However, our specifications and data do NOT cover all possible belt drive conditions. It is the responsibility of the belt drive system designer to ensure Gates Mectrol's belts are appropriate for a given system and application. The provided data is representative of our in-house experience and does not necessarily match product performance in industrial use. Gates Mectrol cannot assume any liability concerning the suitability and process ability of our products. We also cannot assume liability for process results, damages or consequential damages associated with the use of our products. Note, ultimate tensile strengths are listed for references purposes only. Ultimate tensile strength values listed above are a theoretical calculation based on average cord strength and may not represent actual tensile test results.