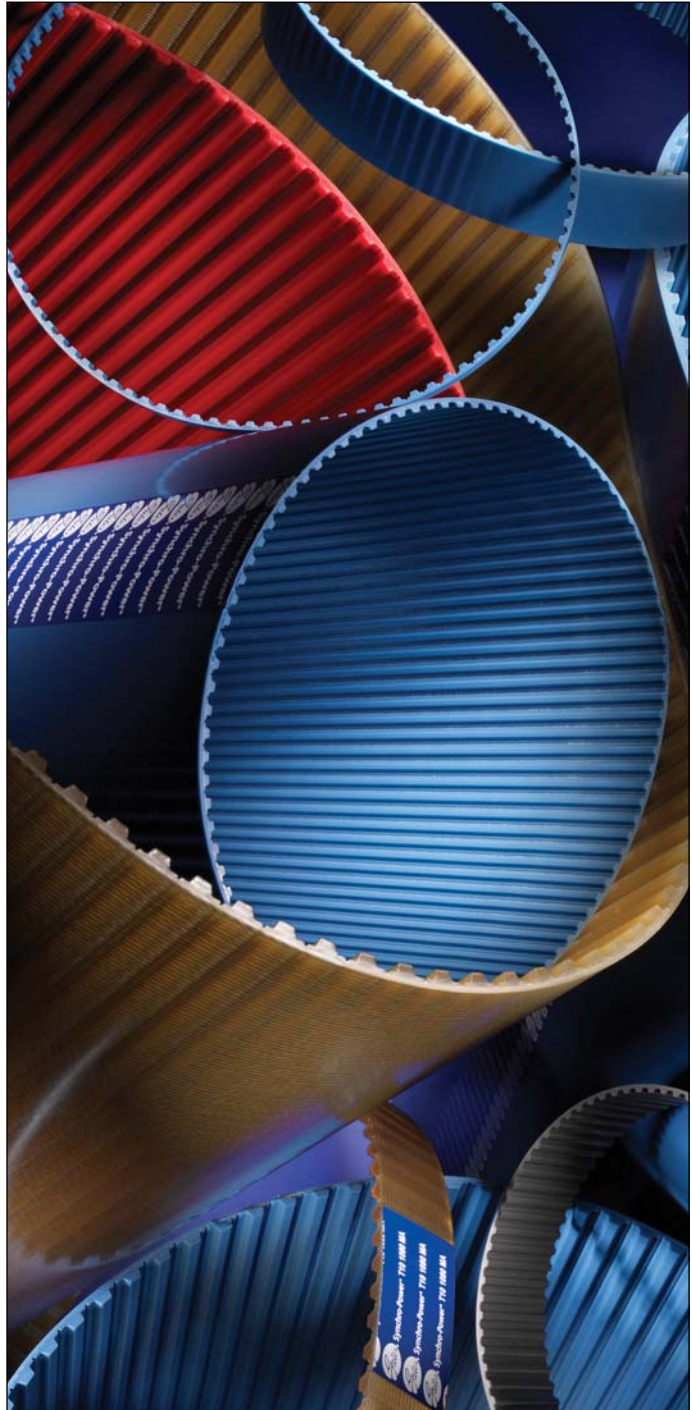


Gates Mectrol recently began manufacturing a new generation of *truly endless* urethane timing belts.

These truly endless belts are being manufactured utilizing an advanced urethane material on state-of-the-art processing equipment.

This next generation sleeve will offer the following upgrades over the current cast sleeve products:

- Increased sleeve width to an industry leading 400mm. Allows greater slitting flexibility and reduced trim waste
- Significantly reduced lead times obtained through improved processing technology
- High abrasion resistance achieved through material research and automated mixing technology
- Exceptional surface finishes from improved mold manufacturing and handling techniques
- UV stable urethane maintains consistent color over time



Truly Endless Urethane Timing Belts

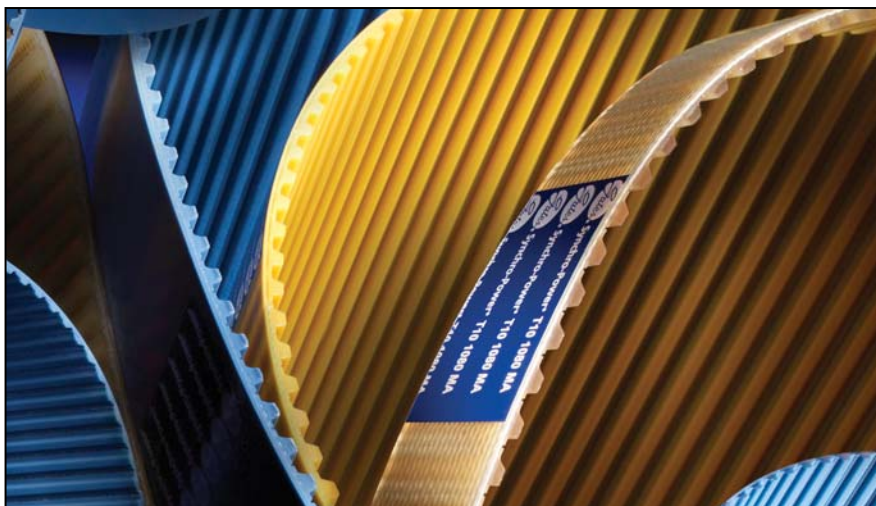


The introduction of these next generation sleeves will be in a “Running Change” format, meaning that as each new mold passes through our Quality Approval Process, it will replace an existing mold which will then be retired from use.

Although our customers will immediately notice a change in color and width from our current sleeve product, a closer look will yield a greater understanding of the visible improvements. The Running Change will begin with T5, AT5, T10 and AT10 pitches followed by the balance of our product offering over the next several months.

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

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.



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