



DRIVEN BY POSSIBILITY™

GATES TPU SYNCHRO-POWER™

150 AT10V ROLL STOCK

SELF TRACKING, WIDE, FLEXIBLE – NOW AVAILABLE IN 150MM WIDTH

LONG-LASTING AND EFFICIENT LINEAR CONVEYING SOLUTIONS

Our advancements in materials science, design engineering and processing technologies allow Gates to deliver highly flexible and fatigue resistant linear timing belts accommodating wide conveying applications up to 150mm width.

Gates 150 AT10V endless welded belts are ideal for conveying exposed to side forces – external or vertical – and self tracking using a continuous notched V-Guide.

Custom 150mm width conveying solutions are available using all backings and profile options, including Nylon fabric to improve efficiency – tooth side, back side, both sides.

Steel or Aramid reinforcement cords provide full tensile strength at a very small pulley diameter – without flanges.

FEATURES + BENEFITS

- Ideal for full-width conveying applications
- Self-tracking by continuously notched V-guide
 - Allows flangeless pulleys
 - Extra flexibility around tight belt paths
 - Eliminates lateral movement
- Steel or Aramid reinforcement
- Nylon surface options - tooth and back – reduce friction and noise
- Standard PU, or FDA/EU approval
- Long lasting thermoplastic polyurethane construction
 - Durable and cut resistant
 - Oil, chemical and water resistant
 - Non-marking
- Clean running with no lubrication



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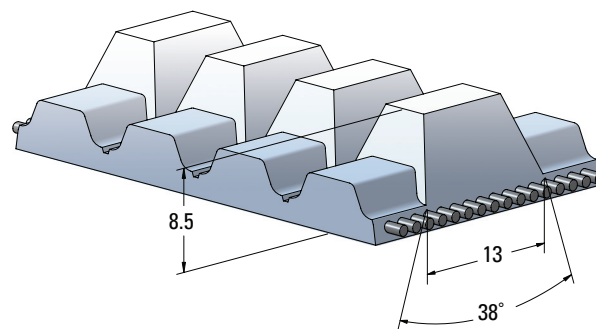
Synchro-Power™ 150 AT10V

PRODUCT SPECIFICATIONS

PITCH	10 mm
STANDARD THICKNESS	4,5 mm
MINIMUM WELDED BELT LENGTH	1000 mm
STANDARD ROLL LENGTH	100 m
STANDARD COLOUR	White
CORD	Steel / Aramid
MINIMUM NUMBER OF PULLEY TEETH	25 (Steel/ Aramid)
MINIMUM PULLEY DIAMETER	80mm
MINIMUM BACK BEND DIAMETER	120 mm (Steel/ Aramid)
FDA/EU APPROVAL	No
POLYURETHANE	R1 / 92 Shore A / -5 °C to +70 °C
POLYAMIDE FABRIC	Yes

AT10V (K13 SECTION)

- Standard Widths:
25, 32, 50, 75, 100, 150 mm



TECHNICAL DATA

STANDARD WIDTH (MM)	25	32	50	75	100	150
Ultimate Tensile Strength - F_{Break} [N] Average Value						
Steel	14250	18050	29450	44650	59850	90250
Aramid	16185	21019	33449	50713	67977	102505
Allowable Belt Tension - F_{1all} [N] Open Ended						
Steel	3741	4739	7731	11722	15712	23693
Aramid	1750	2273	3617	5483	7350	11083
Allowable Belt Tension - F_{1all} [N] Endless Welded						
Steel	1871	2369	3866	5861	7856	11847
Aramid	1313	1705	2713	4113	5513	8313
Allowable Effective Tension - F_{eall} [N] Minimum 15 Teeth in mesh						
Steel	1238	1961	3818	6398	8978	14138
Specific Belt Stiffness - C_{sp} [N]						
Steel	935250	1184650	1932850	2930450	3928050	5923500
Aramid	437500	568167	904167	1370833	1837500	2770833