



DRIVEN BY POSSIBILITY™

GATES TPU SYNCHRO-POWER™

# 150 T10VS LONG LENGTH

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

## WHERE OTHERS SEE A BELT, WE SEE A SOLUTION TO BENEFIT OUR CUSTOMERS

Advancements in materials science, design engineering and processing technologies allow Gates to deliver linear timing belts accommodating wide conveying applications up to 150mm width.

Gates Synchro-Power™ 150 T10VS 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.

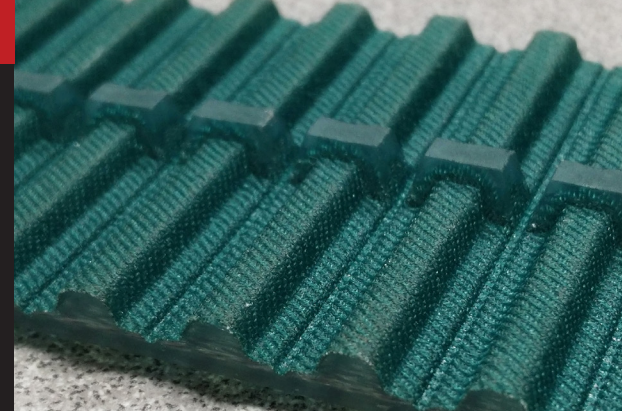
## FEATURES + BENEFITS

- Ideal for full-width conveying applications
- 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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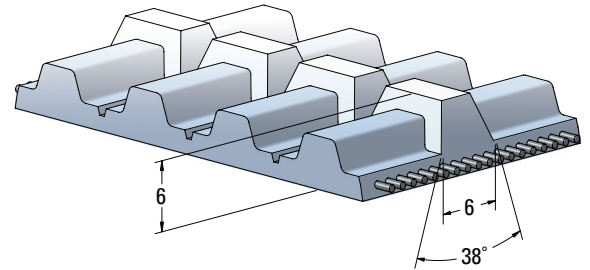


## PRODUCT SPECIFICATIONS

PITCH	10 mm
STANDARD THICKNESS	4,5 mm
MINIMUM WELDED BELT LENGTH	1000 mm
STANDARD ROLL LENGTH	100 mm
STANDARD COLOUR	white
CORD	steel/aramid
MINIMUM NUMBER OF PULLEY TEETH	20 (steel/aramid)
MINIMUM PULLEY DIAMETER	60 mm
MINIMUM BACK BEND DIAMETER	80 mm (steel/aramid)
FDA/EU APPROVAL	No
POLYURETHANE	R1 / 92 Shore A / -5 °C to +70 °C
POLYAMIDE FABRIC	Yes

## T10VS (K6 SECTION)

- Standard Widths:  
16, 25, 32, 50, 75, 100, 150 mm



## TECHNICAL DATA

STANDARD WIDTH (MM)	16	25	32	50	75	100	150
<b>Ultimate Tensile Strength - [N] Average Value</b>							
Steel	4200	7140	9240	14700	22260	29820	44940
Aramid	4980	8085	10500	16709	25333	33957	51205
<b>Allowable Belt Tension - [N] Open Ended</b>							
Steel	1123	1909	2470	3929	5950	7971	12012
Aramid	655	1064	1381	2198	3332	4467	6736
<b>Allowable Belt Tension - [N] Endless Welded</b>							
Steel	561	954	1235	1965	2975	3985	6006
Aramid	491	798	1036	1648	2499	3350	5052
<b>Allowable Effective Tension - [N]</b>							
Steel & Aramid	676	1284	1758	2974	4983	6354	9734
<b>Specific Belt Weight (kg/m)</b>							
Steel	0,09	0,128	0,158	0,237	0,346	0,455	0,674
Aramid	0,058	0,109	0,134	0,199	0,27	0,36	0,54
<b>Specific Belt Stiffness - [N]</b>							
Steel	280662	477125	617456	982316	1487507	1992699	3003081
Aramid	163779	265875	345283	549475	833075	1116675	1683875