



TPU BELTS

THERMOPLASTIC POLYURETHANE

T5-AS SYNCHRO-POWER™ ROLL STOCK

ANTISTATIC BELT FOR ELECTRICALLY SENSITIVE APPLICATIONS



GATES AS BELT AVOIDS ELECTROSTATIC HAZARDS

Our advancements and expertise in material science, design engineering and process technologies allow Gates to develop electrically conductive flexible linear drive belts to avoid electrostatic load build-up during belt operation – especially important within explosive environments or working with electrostatic load-sensitive products.

An antistatic Nylon fabric on both tooth and back side reduces friction and prevents static load build-up within accumulation conveying applications.

Gates® TPU belts combine the durability of Gates quality products and optimal lead times within a reliable partnership – making Gates® TPU the number one choice in polyurethane synchronous belts. You can confidently rely on Gates® Synchro-Power belts.

FEATURES + BENEFITS

- **Linear roll stock for endless weld to custom length**
- **Meets international standards for hazardous environments: IEC 60079-3, TRBS 2153 and CENELEC TR50404**
- **Antistatic nylon fabric – tooth and back sides**
- **Conveyor belt for electrically sensitive applications: transfer systems, assembly lines, or hazardous environments**
- **Gates engineering support for specific applications**

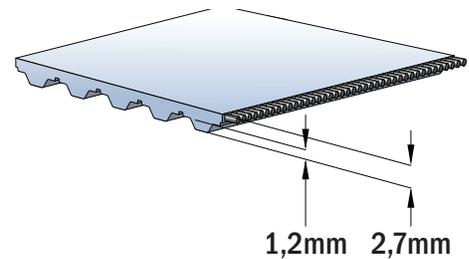
T5-AS SYNCHRO-POWER™ ROLL STOCK



PRODUCT SPECIFICATIONS

PITCHES	5mm
STANDARD THICKNESS	2,7mm
MINIMUM WELDED BELT LENGTH	480mm
STANDARD ROLL LENGTH (TOLERANCE ±1%)	100m
COLOR	Black
MINIMUM NUMBER OF PULLEY TEETH	10
MINIMUM PULLEY DIAMETER	15,91mm
MINIMUM BACK BEND DIAMETER	30mm
FDA/EU APPROVAL	No
POLYURETHANE	92° Shore A
POLYAMIDE FABRIC	Antistatic fabric on tooth and back
MEET ANTISTATIC STANDARDS	IES DTS 60079-32, TRBS 2153, CENELEC TR50404

T5-AS (SECTION)



TECHNICAL DATA

STANDARD WIDTH (mm)		10	16	25	32	50	75	100
Ultimate Tensile Strength	[N] Average Value							
Steel		1250	2000	3375	4250	6875	10375	13875
Allowable Belt Tension	[N] Open Ended							
Steel		311	498	840	1058	1711	2582	3453
Allowable Belt Tension	[N] Endless Welded							
Steel		156	249	420	529	856	1291	1727
Allowable Effective Tension	[N]							
Min. 15 teeth in mesh		356	570	890	1139	1780	2670	3560
Specific Belt Weight (kg/m)								
Steel		0,022	0,0352	0,055	0,0704	0,11	0,165	0,22
Specific Belt Stiffness	[N]							
Steel		77778	124444	210000	264444	427778	645556	863333