



TPU BELTS

THERMOPLASTIC POLYURETHANE

F160 LIVE ROLLER DRIVE BELT

HIGH SPEED & DURABLE INTRALOGISTICS BELT SOLUTION

Our advancements in materials science, design engineering and processing technologies allow Gates to deliver a high quality & performance live roller belt to operate reliably at high speed.

Aramid reinforcement ensures a safe & longer lifespan operation for our customers' warehouse and distribution conveyors.

The F160 belt is an open ended flat belt with a high grip top side to the live rollers and a low friction & anti-static fabric bottom side to improve safety & reliability. Gates F160 belts are designed to meet the specific needs of demanding, high-performance applications in automated warehouse systems.

The F160 belt combines the durability of top-quality with a reliable partnership, making Gates the number one choice for polyurethane flat synchronous belts. You can be confident in F160's reliability for your high speed roller drives.

FEATURES + BENEFITS

- High friction, knurled diamond pattern on top ensures high grip and less slip on the rollers
- Low friction antistatic fabric on the bottom prevents static buildup
- Aramid cord design for lower stretch and longer life compared to competitor belts
- Designed to be spliced with OEM equipment
- Available in roll lengths up to 660 ft (200 meters)

F160 Live Roller Drive Belt

PRODUCT SPECIFICATIONS

	METRIC	IMPERIAL
STANDARD THICKNESS	4.1 +/- 0.2 mm	0.161 +/-0.008 in
STANDARD ROLL LENGTH	up to 200 m	656 ft
STANDARD COLOUR	Black	Black
CORD	Aramid	Aramid
MINIMUM PULLEY DIAMETER	100 mm	3.94 in
FDA/EU APPROVAL	No	No
POLYURETHANE	92° Shore A	92° Shore A
TOP SURFACE	Knurled Polyurethane	Knurled Polyurethane
BOTTOM SURFACE	Antistatic Fabric	Antistatic Fabric
OPERATING TEMPERATURE	-25°C to +80°C	-13°F to 175°F
SPLICE	Interleaved finger heat welded	Interleaved finger heat welded
RECOMMEND FINGER LENGTH	155 mm	6.1 in

TECHNICAL DATA

Standard Width [mm]	45 +0/-1 mm	1.77 +0/-0.04 in
Ultimate Tensile Strength [N]	33300 N	7490 lbf
Allowable Belt Tension [N]	4450 N	1000 lbf
Specific Belt Weight [kg/m]	0,21 kg/m	1.52 lb/ft
Specific Belt Stiffness [N]	731370 N	164420 lbf

F160 (SECTION)

