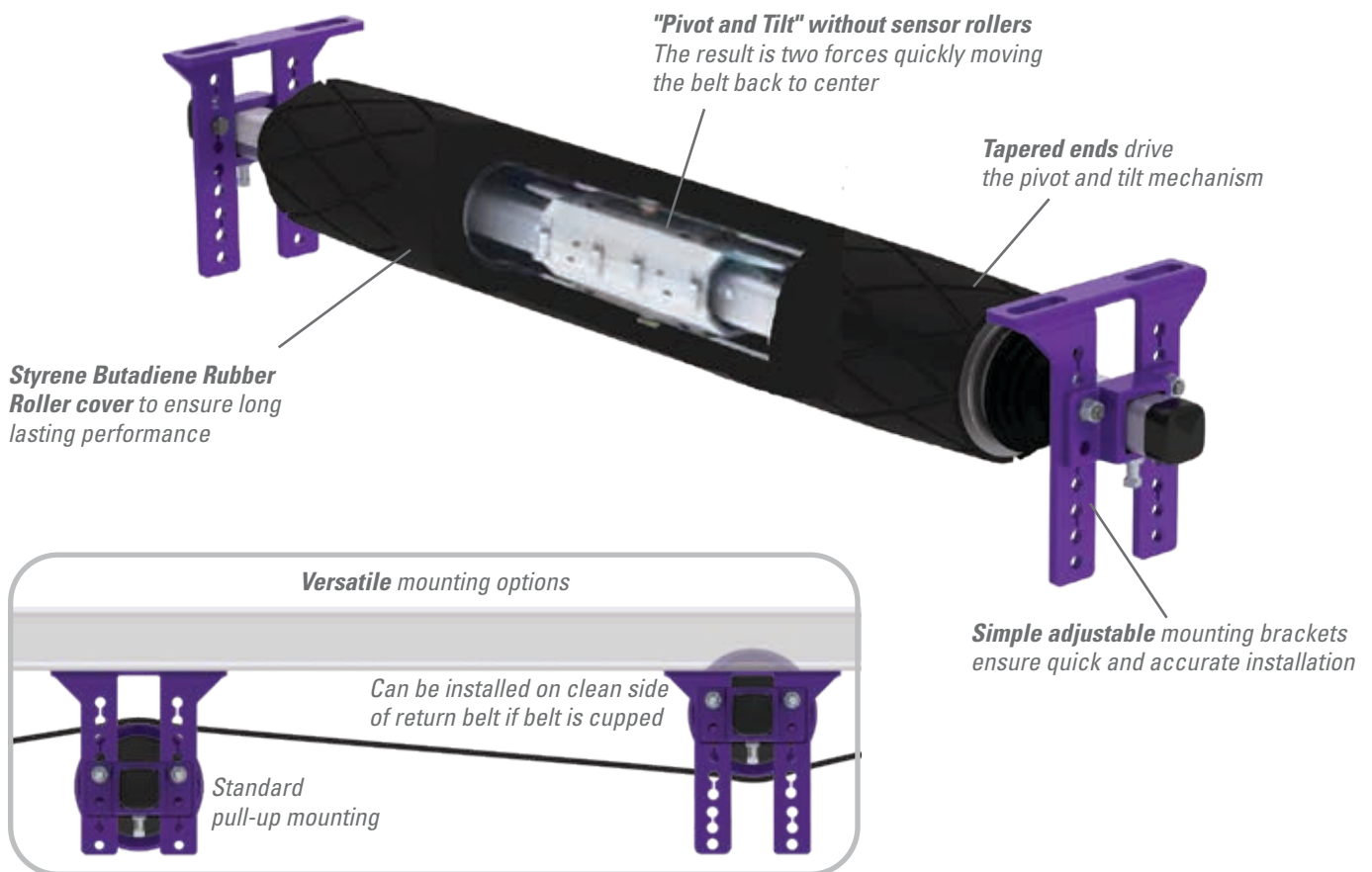


# PTEZ™ RUBBER Belt Trainers

## Simple Yet Superior Belt Tracking Performance

The PTEZ™ Belt Trainer provides Flexco yet another high-performance tracking idler at an economical price point. Employing our unique "Pivot and Tilt" feature using our patented PTEZ mechanism, the unit responds and compensates immediately to belt misalignment using the tapered end roller profile to engage the training action. This ensures that the belt stays away from the structure and the material stays on the belt without the use of sensor or edge rollers. As a result, the PTEZ may be used in nearly any application to provide tracking and prevent damage to the belt or structure.



### Features and Benefits

- **Works in multiple applications.** Single-direction and reversing belts. Wet or dry conditions. Belts with edge damage or wear. Belts mistracking to one or both sides. Mechanically fastened or vulcanized belts.
- **Easy ordering and installation.** Enhanced to meet instant demands for training solutions, the PTEZ is available on a short lead time. The simple brackets and component construction also ensure a quick and easy installation.
- **Simplified offering.** Available for belt widths 450 to 1200mm (18" to 48"). For larger sizes and heavier-duty applications, refer to our PT Pro Belt Trainer.

# PTEZ™ RUBBER Belt Trainer

## Specifications and Guidelines

**Maximum Belt Speed:** 5 m/s (1000 FPM)

**Temperature Rating:** -30° C to 71° C (-20° F to 180° F)

**Belt Direction:** One-Way or Reversing

**Available for Belt Widths:**

450 to 1200mm (18" to 48")

**Roller Material:** 65 durometer Shore A, SB Rubber molded

**Mounting Adjustability:**

Horizontal: Belt width +229 to 381mm (9" to 15")

Vertical: 219mm (8-5/8")

**Application Range:** Medium-Duty belts up to 1600 PIW max tension.

**Physical Mechanical Properties of SBR:**

**Tensile Strength Range:** 500 - 3,000 PSI

**Elongation (Range %):** 450 - 600%

**Abrasion Resistance:** Excellent

**Adhesion to Metal:** Excellent

**Adhesion to Rigid Materials:** Excellent

**Compression Set:** Good to Excellent

**Flex Cracking Resistance:** Good

**Impact Resistance:** Excellence

**Resilience/Rebound:** Good

**Tear Resistance:** Fair to Excellent

**Vibration Dampening:** Fair to Good

## Ordering Information

PTEZ™ Belt Trainer					
Belt Width		Roller Width		Ordering Number	Item Code
mm	in.	mm	in.		
450	18	470	18 3/4	PTEZ-18 PTEZ RUBBER 18 IN	90808
600	24	620	24 3/4	PTEZ-24 PTEZ RUBBER 24 IN	90809
750	30	770	30 3/4	PTEZ-30 PTEZ RUBBER 30 IN	90810
900	36	920	36 3/4	PTEZ-36 PTEZ RUBBER 36 IN	90811
1050	42	1070	42 3/4	PTEZ-42 PTEZ RUBBER 42 IN	90812
1200	48	1220	48 3/4	PTEZ-48 PTEZ RUBBER 48 IN	90813

Lead time: 1 working day



Conveyor Criteria	Belt Positioner™	PTEZ™	PT Smart™	PT Max™	Heavy Duty PT Max™	Super Duty PT Max™
Top side mistracking	No	No	No	Yes	Yes	Yes
Return side mistracking	Yes	Yes	Yes	Yes	Yes	Yes
Reversing	Yes	Yes	No	No	No	No
Belt mistracking to one side	Better	Better	Better	Better	Better	Better
Belt mistracking to both sides	Acceptable	Better	<b>Best</b>	<b>Best</b>	<b>Best</b>	<b>Best</b>
Inconsistent tracking problem	Good	Better	<b>Best</b>	<b>Best</b>	<b>Best</b>	<b>Best</b>
Belt is cupped (heavy)	<b>Best ‡</b>	Better ‡	Better	Better	Better	Better
Belt has edge damage	<b>Best</b>	<b>Best</b>	Good	Good	Good	Good
Ease of Installation	<b>Best</b>	Better	Good	Good	Good	Good
Belt has low running tension (150-300 PIW)	Good	Good	Good	Good	N/A	N/A
Belt has medium running tension (300-1600 PIW)	Better	Better	Better	<b>Best</b>	<b>Best</b>	<b>Best</b>
Belt has high running tension (1600+ PIW)	N/A	N/A	N/A	Better	<b>Best</b>	<b>Best</b>
Approx. "upstream" effect*Δ	15 M (50')	6 M (20')	6 M (20')	15 M (50')	15 M (50')	15 M (50')
Approx. "downstream" effect*Δ	15 M (50')	30 - 36 M (100' - 120')	36 - 45 M (120' - 150')	45 - 61 M (150' - 200')	45 - 61 M (150' - 200')	45 - 61 M (150' - 200')

‡ Installed on the clean side of the return belt

\* Typical results; actual results may vary

Δ Disc idlers have the potential to reduce these numbers

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