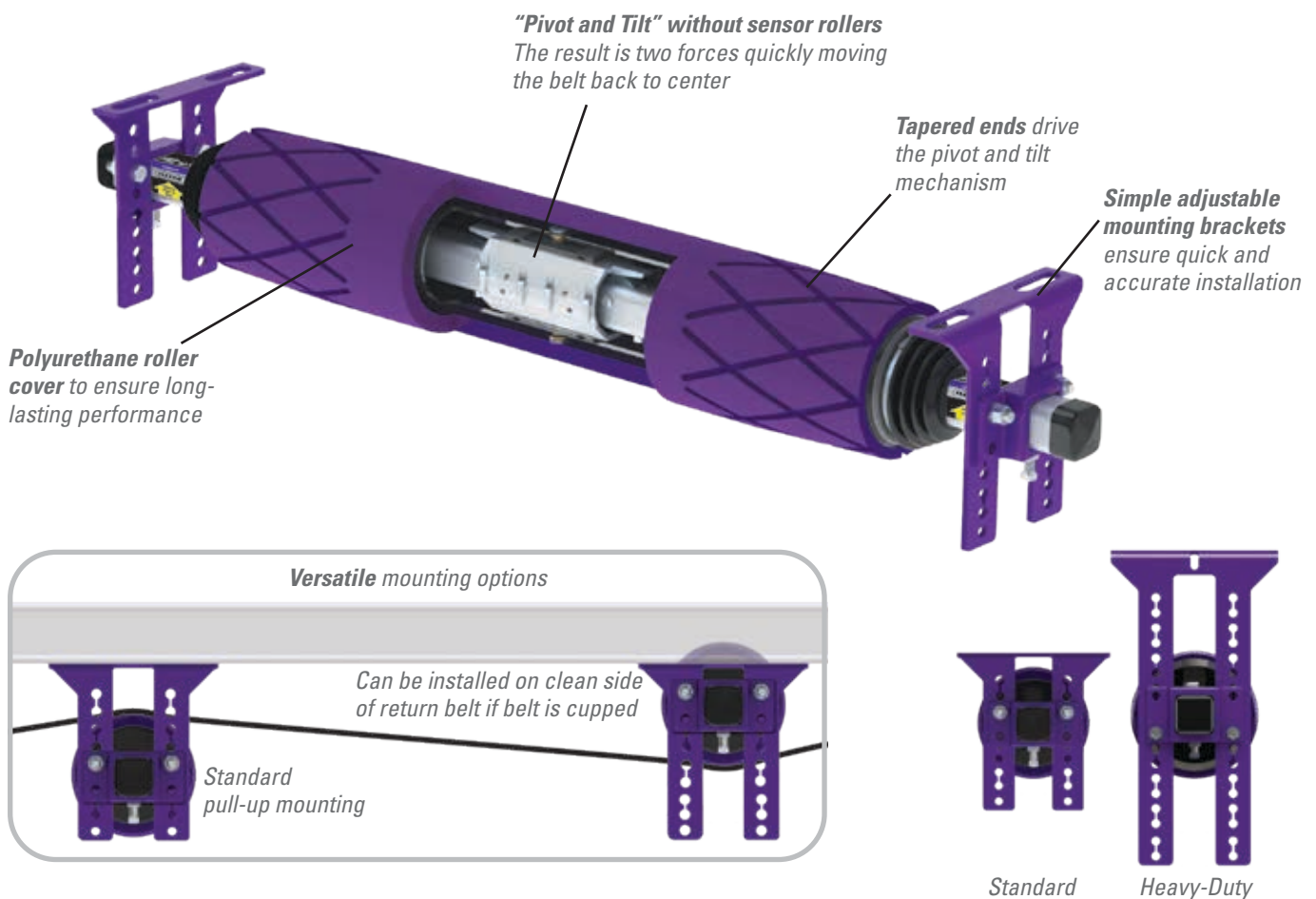# PTEZ™ Belt Trainers

Simple Yet Superior Belt Tracking Performance for Cement Operations

Ideal for use in areas where there is buildup on structures and components or where belts have worn or damaged edges, the PTEZ™ Belt Trainer provides cement operations with a 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.

"Pivot and Tilt" without sensor rollers
The result is two forces quickly moving the belt back to center

Tapered ends drive the pivot and tilt mechanism

Simple adjustable mounting brackets ensure quick and accurate installation

Polyurethane roller cover to ensure long-lasting performance

Versatile mounting options

Can be installed on clean side of return belt if belt is cupped

Standard pull-up mounting

Standard   *Heavy-Duty*

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 vulcanised belts.

- **Easy installation.** The simple brackets and component construction ensure a quick and easy installation.

- **Simplified offering.** Standard-duty available for belt widths 450 to 1200mm (18" to 48"). Heavy-duty available for belt widths 1050 to 2100mm (42" to 84").

FLEXCO

PTEZ™ Belt Trainers

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:
Standard-Duty: 450 to 1200mm (18" to 48")
Heavy-Duty: 1050 to 2100mm (42" to 84")

Roller Material: 70 durometer polyurethane

Mounting Adjustability:
Horizontal: Belt width +229 to 381mm (9" to 15")
Vertical: 219 mm (8 5/8 ") for SD; 406 mm (16") for HD

Application Range: Standard-duty belts up to 280 n/mm max tension.
Heavy-duty belts up to 420 n/mm max tension.

Ordering Information

PTEZ™ Belt Trainer

Belt Width mm	Belt Width in.	Roller Width mm	Roller Width in.	Ordering Number	Item Code
450	18	470	18 3/4	PTEZ-450	90265
600	24	620	24 3/4	PTEZ-600	90266
750	30	770	30 3/4	PTEZ-750	90267
900	36	920	36 3/4	PTEZ-900	90268
1050	42	1070	42 3/4	PTEZ-1050	90269
1200	48	1220	48 3/4	PTEZ-1200	90270

HD PTEZ™ Belt Trainer

Belt Width mm	Belt Width in.	Roller Width mm	Roller Width in.	Ordering Number	Item Code
1050	42	1070	42 3/4	PTEZHD-1050	90616
1200	48	1220	48 3/4	PTEZHD-1200	90617
1350	54	1370	54 3/4	PTEZHD-1350	90618
1400	56	1420	56 3/4	PTEZHD-1400	90795
1500	60	1520	60 3/4	PTEZHD-1500	90619
1600	64	1620	64 3/4	PTEZHD-1600	90796
1800	72	1820	72 3/4	PTEZHD-1800	90620
2000	80	2020	80 3/4	PTEZHD-2000	90797
2100	84	2120	84 3/4	PTEZHD-2100	90621

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

Authorised Distributor: