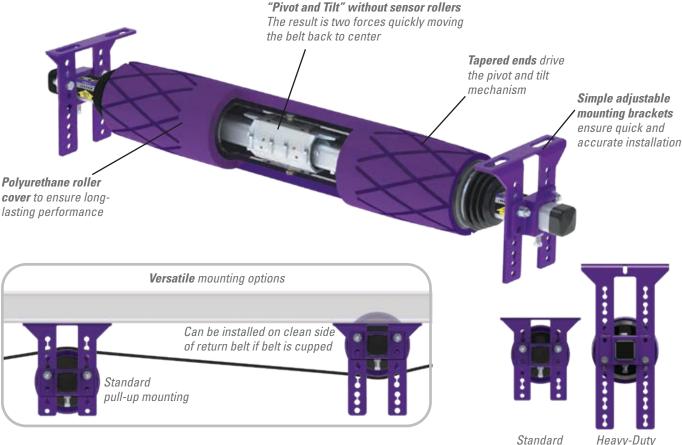
PTEZ™ Belt Trainers

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 PTEZTM 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.



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



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")

Ordering Information

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

Lead time: 1 working day

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

Lead time: 1 working day

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.



HD PTEZ™ UG Belt Trainer							
Belt Width		Roller Width		Ordering	Item		
mm	in.	mm	in.	Number	Code		
1050	42	1070	42 3/4	PTEZHD-42/1050-UG	90798		
1200	48	1220	48 3/4	PTEZHD-48/1200-UG	90799		
1350	54	1370	54 3/4	PTEZHD-54/1350-UG	90800		
1500	60	1520	60 3/4	PTEZHD-60/1500-UG	90801		
1800	72	1820	72 3/4	PTEZHD-72/1800-UG	90802		

Lead time: 1 working day

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 *∆	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

Authorised Distributor:



 $^{^{\}ast}$ Typical results; actual results may vary Δ Disc idlers have the potential to reduce these numbers