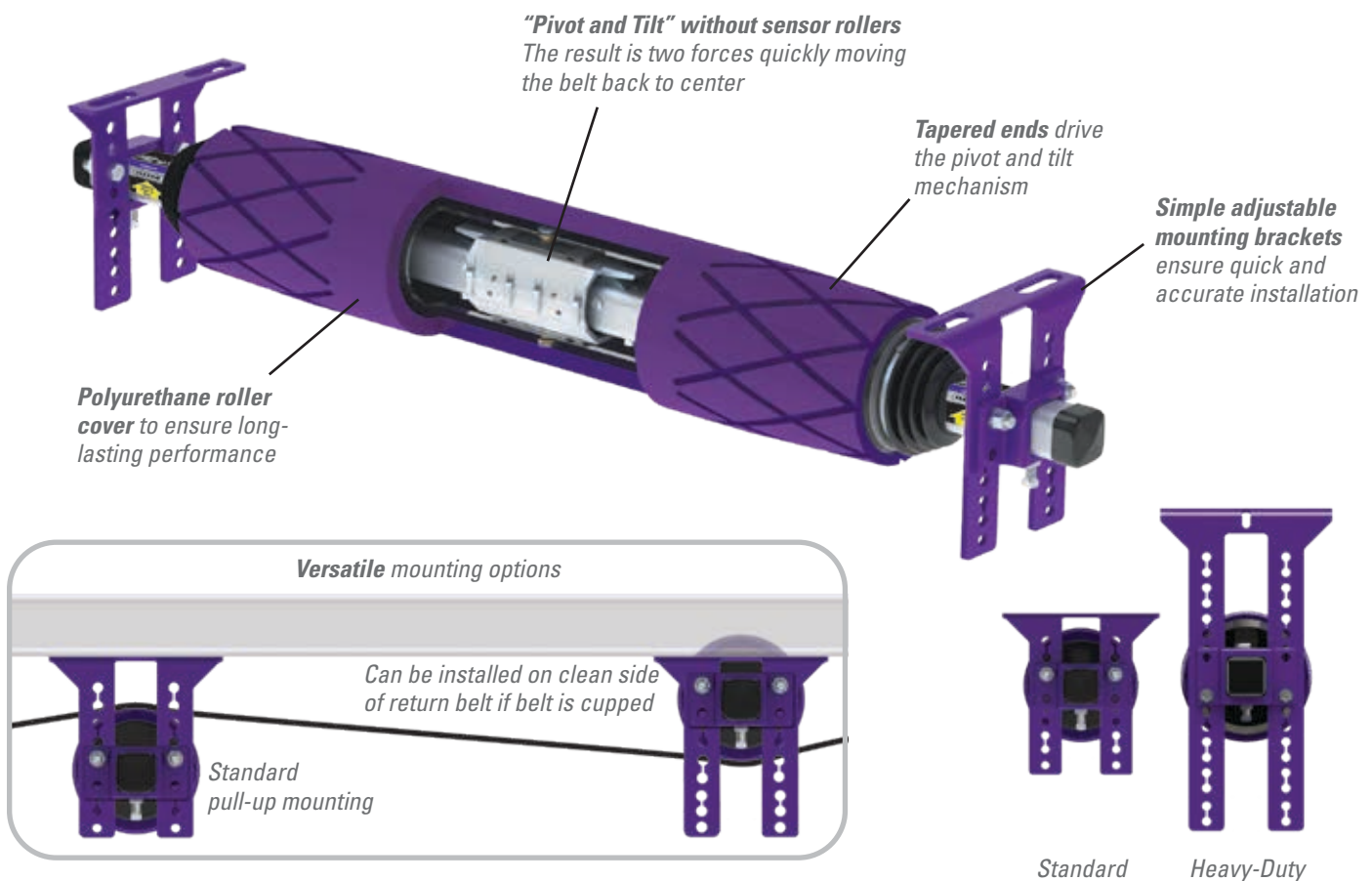


PTEZ™ Belt Trainers

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.



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

PTEZ™ Belt Trainers

Specifications and Guidelines

Maximum Belt Speed: 1000 FPM (5 m/s)
Temperature Rating: -20° F to 180° F (-30° C to 71° C)
Belt Direction: One-Way or Reversing
Available for Belt Widths:
 Standard Duty: 18" to 48" (450 to 1200mm)
 Heavy Duty: 42" to 84" (1050 to 2100mm)

Roller Material: 70 durometer polyurethane
Mounting Adjustability:
 Horizontal: Belt width +9" to 15" (229 to 381mm)
 Vertical: 8-5/8" (219mm) for SD; 16" (406mm) for HD
Application Range: Standard-duty belts up to 1600 PIW max tension.
 Heavy-duty belts up to 2400 PIW max tension.

Ordering Information

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

Lead time: 1 working day

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

Lead time: 1 working day

| HD PTEZ™ UG Belt Trainer | | | | | |
|--------------------------|------|--------------|------|-------------------|-----------|
| Belt Width | | Roller Width | | Ordering Number | Item Code |
| in. | mm | in. | mm | | |
| 42 | 1050 | 42 3/4 | 1070 | PTEZHD-42/1050-UG | 90798 |
| 48 | 1200 | 48 3/4 | 1220 | PTEZHD-48/1200-UG | 90799 |
| 54 | 1350 | 54 3/4 | 1370 | PTEZHD-54/1350-UG | 90800 |
| 60 | 1500 | 60 3/4 | 1520 | PTEZHD-60/1500-UG | 90801 |
| 72 | 1800 | 72 3/4 | 1820 | 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 *Δ | 50' (15 M) | 20' (6 M) | 20' (6 M) | 20' (6 M) | 50' (15 M) | 50' (15 M) | 50' (15 M) |
| Approx. "downstream" effect *Δ | 50' (15 M) | 100' – 120' (30 – 36 M) | 120' – 150' (36 – 45 M) | 100' – 120' (30 – 36 M) | 150' – 200' (45 – 61 M) | 150' – 200' (45 – 61 M) | 150' – 200' (45 – 61 M) |

‡ 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

Authorized Distributor:



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