

PT Max™ Belt Trainers

Unique “Pivot and Tilt” Action

Don't mistake our PT Max™ Belt Trainers for conventional belt trainers. Thanks to our unique 'pivot and tilt' design, the unit reacts and compensates instantly to belt misalignment, ensuring that the belt stays away from the structure and the material stays on the belt. The result: a continuous solution to mistracking problems that cause damage to the belt and conveyor structure. The PT Max delivers superior training action that makes it easy to keep even the most troublesome belts on track and on the job permanently.



Pivot and Tilt provides two forces to quickly move the belt back to center

Fine-tune the PT Max with the HD Adjusting Arm



Dual rollers safeguard belt edges

Top Side model

Special fully-enclosed, spherical bearing, constructed of surgical stainless steel, won't freeze or seize



Return Side model

Features and Benefits

- **Works in multiple applications.** Top side or return side belts. Heavy duty or medium duty operations. Wet or dry conditions. Belts mistracking to one side or both sides. Whatever the issue, PT Max has the answer.
- **Custom-built.** Each conveyor is different, so the PT Max is specifically built to meet your requirements.
- **Long service life.** Uses standard, on-site rollers so inventory can be used for replacement. Also, with our special bearing, Flexco guarantees a 5-year 'No Risk' Performance Guarantee.
- **Works with mechanically fastened and vulcanized belts.**



V-Return model also available

PT Max™ Belt Trainer

Specifications and Guidelines

Selection Guidelines	
Model	Application Range
PT Max™ Top Side	Heavy-duty belts up to 525 n/mm max (generally over 19mm (3/4") thick) Belt width 600 – 1500mm (24" – 60")
HD PT Max™ Top Side	Heavy-duty belts up to 1050 n/mm max tension. Belt width 1200 – 2100mm (48" – 84")
PT Max™ Return Side and V-Return	Heavy-duty, higher tension belts up to 525 n/mm max. (generally up to 25mm (1") thick)
HD PT Max™ Return Side and V-Return	Heavy-duty belts up to 1050 n/mm max tension. Belt width 1350 – 2100mm (54" – 84")

Conveyor Criteria	PT Max™	Heavy Duty PT Max™	Super Duty PT Max™
Top side mistracking	Yes	Yes	Yes
Return side mistracking	Yes	Yes	Yes
Reversing	No	No	No
Belt mistracking to one side	Better	Better	Better
Belt mistracking to both sides	Best	Best	Best
Inconsistent tracking problem	Best	Best	Best
Belt is cupped (heavy)	Better	Better	Better
Belt has edge damage	Good	Good	Good
Ease of Installation	Good	Good	Good
Belt has low running tension (26-52 n/mm)	Good	N/A	N/A
Belt has medium running tension (52-280 n/mm)	Best	Best	Best
Belt has high running tension (280+ n/mm)	Better	Best	Best
Approx. "upstream" effect *Δ	15 M (50')	15 M (50')	15 M (50')
Approx. "downstream" effect *Δ	45 – 61 M (150' – 200')	45 – 61 M (150' – 200')	45 – 61 M (150' – 200')

* Typical results; actual results may vary

Δ Disc idlers have the potential to reduce these numbers

Maximum Belt Speed: 6 M/sec (1200 FPM)

Temperature Rating: -40° C to 71° C (-40° F to 180° F)

Belt Direction: One Way

Available for Belt Widths: 600 to 2100 mm (24" to 84")

Ordering Information			
PT Max™ Top Side			
Belt Width		Ordering Number	Item Code
mm	in.		
600	24	PTM24T	75583
750	30	PTM30T	74885
900	36	PTM36T	74886
1050	42	PTM42T	74887
1200	48	PTM48T	74888
1350	54	PTM54T	74889
1500	60	PTM60T	74890
Heavy-Duty PT Max Top Side			
1350	54	PTMHD54T	74891
1500	60	PTMHD60T	74892
1800	72	PTMHD72T	74893
2100	84	PTMHD84T	74894
Super-Duty PT Max Top Side			
1800	72	PTMSD72T	74895
2100	84	PTMSD84T	74896
2400	96	PTMSD96T	74897
3000	120	PTMSD120T	74898

Ordering Information			
PT Max Return Side			
Belt Width		Ordering Number	Item Code
mm	in.		
600	24	PTM24R	75584
750	30	PTM30R	74899
900	36	PTM36R	74900
1050	42	PTM42R	74901
1200	48	PTM48R	74902
1350	54	PTM54R	74903
1500	60	PTM60R	74904
Heavy-Duty PT Max Return Side			
1350	54	PTMHD54R	74905
1500	60	PTMHD60R	74906
1800	72	PTMHD72R	74907
2100	84	PTMHD84R	74908
Super-Duty PT Max Return Side			
1800	72	PTMSD72R	74909
2100	84	PTMSD84R	74910
2400	96	PTMSD96R	74911
3000	120	PTMSD120R	74912

Ordering Information			
PT Max V-Return			
Belt Width		Ordering Number	Item Code
mm	in.		
600	24	PTM24VR	79669
750	30	PTM30VR	79670
900	36	PTM36VR	79671
1050	42	PTM42VR	79672
1200	48	PTM48VR	79673
1350	54	PTM54VR	79674
1500	60	PTM60VR	79675
Heavy-Duty PT Max Return Side			
1350	54	PTMHD54VR	79665
1500	60	PTMHD60VR	79666
1800	72	PTMHD72VR	79667
2100	84	PTMHD84VR	79668
Super-Duty PT Max Return Side			
1800	72	PTMSD72VR	90051
2100	84	PTMSD84VR	90052
2400	96	PTMSD96VR	90053
3000	120	PTMSD120VR	90054

PT Max Belt Trainers are made to order. Lead time: 15 working days (after data sheets are approved)

Authorized Distributor:

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