

# BELT POSITIONER™

## Immediate Tracking Results

The Belt Positioner™ is the simple, reliable solution for problem belts that consistently mistrack to one side of the conveyor. The Belt Positioner works on the return side belt using simple angled rollers mounted in a fixed position to quickly and continuously funnel the belt into the correct path. This is the “quick fix” solution for belt tracking problems caused by conveyor misalignment mishaps, ground shifts, or on temporary systems.

*Comes assembled so it's ready for quick installation.*



*Ensures centre loading by installing before the tail pulley.*

*Rubber-Lagged and Steel Rollers are standard.*



*Immediately influence the belt path up to 15M (50 ft) in both directions.*

## Features and Benefits

- **No belt edge damage.** The idler rollers on the Belt Positioner make smooth contact with the return side belt's bottom cover and not on the belt's edges.
- **Easy installation and setup.** Simply preset the unit for the conveyor structure width, position the unit on the belt and bolt or weld in place. Adjust the rollers to the belt and watch the results. It's simple and you can see the results immediately.
- **Economical.** Durability and budget-conscious pricing make the Belt Positioner very versatile.
- **Long service life.** The Belt Positioner's innovative design does not rely on a pivoting mechanism to move and steer a wandering belt. The rollers are sealed for life. Simply inspect the idler rollers occasionally for wear.

# BELT POSITIONER™

## Specifications and Guidelines

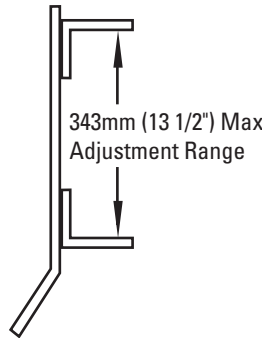
- **Maximum Belt Speed**  
5 m/s
- **Max Temperature Rating**  
-20° C to 104° C

- **Belt Direction**  
Reversing
- **Available for Belt Widths**  
450 to 2400mm

- **Mounting Bracket Adjustment**  
343mm
- **Maximum PIW**  
800 PIW on S, M, L  
1200 PIW on XL

Roller Specifications		
Specification	Steel & Rubber	Steel
Material	STEEL and 3/8" RUBBER	STEEL
Durometer	60	N/A
Rating	CEMA D (XL is CEMA E)	CEMA D (XL is CEMA E)
Bearings	6305 Sealed Ball Bearing	6305 Sealed Ball Bearing
Shaft Diameter	25mm (1")	25mm (1")
Wall Thickness	9 Gauge (37mm/.148") (XL - 6.4mm/1/4")	9 Gauge (37mm/.148") (XL - 6.4mm/1/4")
Specific Gravity	Over 1	Over 1
Working Temperature		
°C	-20° to 104°	-20° to 104°
°F	-4° to 220°	-4° to 220°
Grease & Chemical Resistance	Good	Good
Sticky Material Performance	Excellent	Good

Roller Dimensions				
Size	Length		Diameter	
	mm	in.	mm	in.
Small	225	9	125	5
Medium	325	13	125	5
Large	475	19	125	5
Extra Large	525	21	150	6



Conveyor Criteria	Belt Positioner
Top side mistracking	NO
Return side mistracking	YES
Belt mistracking to one side	EXCELLENT
Belt mistracking to both sides	POOR
Inconsistent tracking problem	GOOD
Belt is cupped (heavy)	GOOD
Belt has low running tension	POOR
Belt has medium running tension	GOOD
Belt has high running tension	GOOD
Approx. "upstream" effect*	15M (50')
Approx. "downstream" effect*	15M (50')

\*Typical results; actual results may vary.

## Ordering Information

Belt Positioner™ with Rubber Rollers						
Description	Belt Width (Min-Max)		Positioner Width (Min-Max)		Ordering Number	Item Code
	mm	in.	mm	in.		
Small	450-600	18-24	600-850	24-34	RBP1R-S	90646
Medium	750-1200	30-48	850-1400	34-56	RBP1R-M	90647
Large	1350-1800	54-72	1400-2075	56-83	RBP1R-L	90648
Extra Large	1800-2400	72-96	1800-3000	72-120	RBP1R-XL	90649
Belt Positioner™ with Steel Rollers						
Small	450-600	18-24	600-850	24-34	RBP1S-S	74558
Medium	750-1200	30-48	850-1400	34-56	RBP1S-M	74559
Large	1350-1800	54-72	1400-2075	56-83	RBP1S-L	74560
Extra Large	1800-2400	72-96	1800-3000	72-120	RBP1S-XL	74561

Use next larger size for belt widths between ranges.  
Lead time: 1 working day

Replacement Rollers		
Description	Ordering Number	Item Code
Small Rubber Roller	RBPRR-S	90650
Medium Rubber Roller	RBPRR-M	90651
Large Rubber Roller	RBPRR-L	90652
Extra Large Rubber Roller	RBPRR-XL	90653
Small Steel Roller	RBPSR-S	74562
Medium Steel Roller	RBPSR-M	74563
Large Steel Roller	RBPSR-L	74564
Extra Large Steel Roller	RBPSR-XL	74565
Roller Retainer Kit *	RBPRET	73163

Lead time: 1 working day

\*Roller Retainer Kit not required for XL rollers (SDX style).

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