

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.

Most “tracking” or “training” devices rely on a pivoting design with belt-edge guide rollers. They attempt to “steer” the belt back on track by constant movement and often overcompensate, causing the belt to wander from side to side. And while they may work when new, they are prone to problems that render them useless and may even cause damage to the belt.

The Belt Positioner is the “quick fix” solution for belt tracking problems caused by conveyor misalignment mishaps, ground shifts, or on temporary systems. The two idler rollers are adjusted to the belt and create a funneling action that continuously “positions” the belt into the correct path. Many times in as few as 5 revolutions of the belt the results can be seen.



The Belt Positioner™ works on the belt's bottom cover so it will not cause any excessive wear or damage to the belt's edges.

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. There are no guide rollers that put pressure on the belt edges as they try to turn a pivoting mechanism to steer the belt. This constant edge pressure can cause excessive wear and damage to the belt.

The Positioner works differently. Side adjusting brackets, with up to 13 inches (325 mm) of adjustment, allow the Positioner to exert pressure with the smooth side of the idler roller on the conveyor side where the belt is mistracking. This funnels the belt back to the center position and holds it there. Quickly and without the chance of belt damage.

Easy Installation and Setup.

The Belt Positioner comes assembled and ready to install. 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 to do and you can see the results immediately.

The Belt Positioner comes in 4 sizes for belt width ranges from 18 to 96 inches (450 to 2400 mm). Idler rollers on sizes Small, Medium and Large are 5 inch (125 mm) diameter and rated CEMA D. Idler rollers on the Extra Large are 6 inch (150 mm) diameter and rated CEMA E.

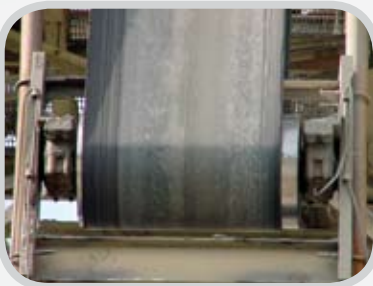


The Belt Positioner comes assembled and ready for quick installation.

Quickly Centers the Belt and Holds it There.



A typical mistracking problem resulting in product spillage and possible damage to the belt, mechanical splices and/or conveyor structure.



The belt is centered on the pulley in minutes with the Belt Positioner.

Application Guidelines:

Belt Splice..... Mechanically Fastened or Vulcanized

Belt Speed..... 1000 FPM (5 M/sec)

Belt Direction Reversing

Optimal Location: No closer than 3 feet (.9 M) and no further than 6 feet (1.8 M) from a return roller.



The Belt Positioner™ holds the belt in a centered position and influences the belt's path up to 100 feet (2.5 M) in both directions.

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Long Service Life.

The Belt Positioner's innovative design does not rely on a pivoting mechanism to move and steer a wandering belt. On conventional tracking units these pivot points get covered with carryback materials and are prone to seize up and stop working. The result: ineffective tracking units tied off to the side of the conveyor so they don't cause additional problems.

The Belt Positioner™ is mounted on the clean side of the return belt where dirt and fines from the carrying side cannot fall onto it causing wear problems. Once installed and set, no further adjustment is required to maintain the belt in the correct position. And since there are no high-maintenance pivoting mechanisms and guide rollers to service, maintenance is low. The rollers are sealed for life. No regreasing maintenance is necessary. Simply inspect the idler rollers occasionally for wear.

Insures Center Loading.

Installed before the tail pulley, the Belt Positioner keeps the belt centered at its critical loading point. Center loading is the key to solving many top-side tracking problems.

The Belt Positioner can also be used at the head pulley, before or after the take-up pulley or anywhere on the return beltline where there is a belt tracking problem. It can also be used on reversing belts.

Ordering Information

Belt Positioner™ with Exalon Rollers

Description	Belt Width (Min-Max)		Positioner Width (Min-Max)		Item Code	Ordering Number
	in.	mm	in.	mm		
Small	18-24	450-600	24-34	600-850	73140	RBP1E-S
Medium	30-48	750-1200	34-56	850-1400	73142	RBP1E-M
Large	54-72	1350-1800	56-83	1400-2075	73144	RBP1E-L
Extra Large	72-96	1800-2400	72-120	1800-3000	73146	RBP1E-XL

Ordering Information

Belt Positioner™ with Steel Rollers

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

Positioners come standard with Exalon rollers.

Use next larger size for belt widths between ranges.



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