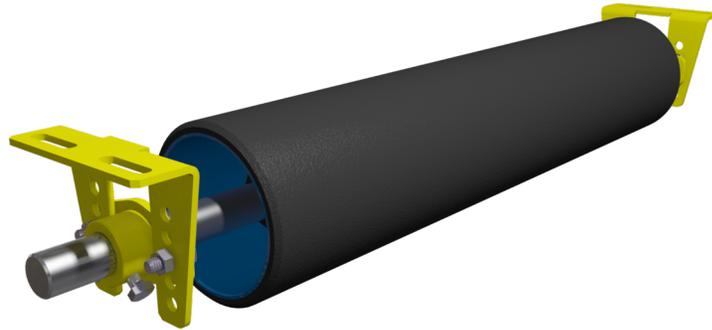


Prime-Tracker

Belt guide for return rolls



Prime-Tracker is designed with two tubes and a 38 mm shaft. The outer tube rotate and is connected to the inner tube by two ball bearings. The inner tube has an advanced rubber bush support, Prime Pivot bush. The shaft goes through the pivot bush to the side brackets. This gives many advantages as soft suspension and accommodation to the smallest movement of the belt. No sand or dust will be in contact with the rubber. Rubber has no start friction, the least movement sideways makes the Prime Tracker guide the belt back on track.

The Prime Pivot bush is designed to allow the tracker to move in both horizontal and vertical direction.

The inner tube is protected from dust and sand by a strong corrugated rubber hose in EPDM quality.

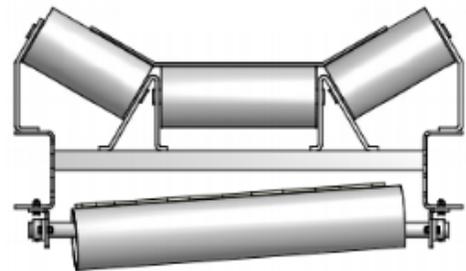
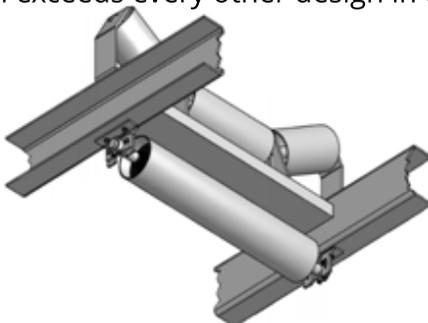
Belts must always run straight on all conveyors. Belts can move sideways, often without any known reason.

When the belt moves sideways the force and weight of belt make the tracker roll, tilt and steer the belt back on the straight line. The belt will always be in full contact of the tracker.

The important task of the tracker is to be in full contact with belt enabling it to do the job. The rubber pivot bush has no starting friction. Every minor belt misalignment is corrected instantly. Life of Prime-Pivot bush exceeds every other design in the market.

A cylindrical tracker has the same peripheral speed over the whole surface. A crowned roll has different speeds at its center and roll edges. Using a crowned rolls may result in insufficient belt guidance and worn out roll ends and conveyor covers.

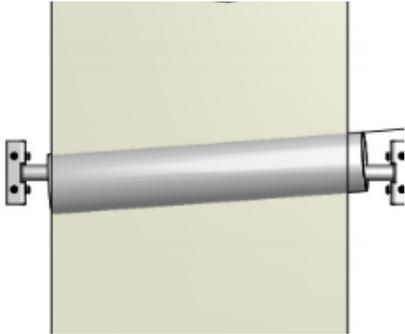
This is why Prime-Tracker is cylindrical.



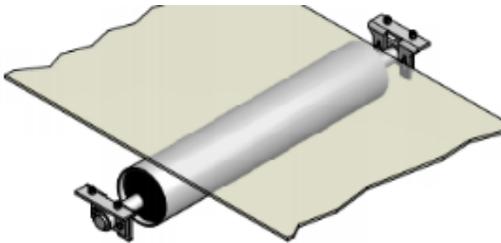
Prime-Tracker

Belt guide for return rolls

Belt moves sideways - The Prime- Tracker directs the belt back on track.



The belt runs correctly over Prime- Tracker.



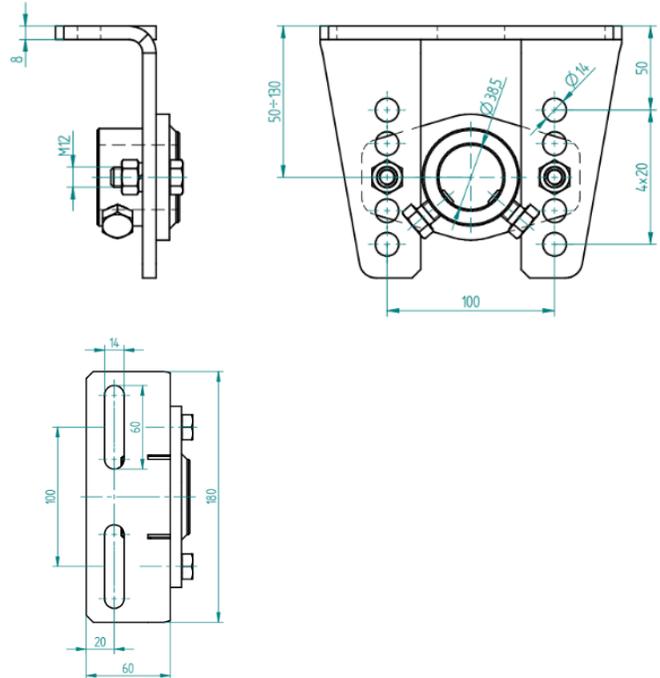
The Prime-Tracker replaces an idler roll.

The distance between the Prime-Tracker and return pulley is recommended to be roughly 3 x belt width

Adjust the distance between tracker and belt to achieve best force of contact.

Bandbredd	Diameter	Rullängd	Axel längd	Vikt
650	194	700	1050	46,1
800	194	850	1200	51,7
1000	194	1050	1400	59,3
1200	194	1250	1600	66,8
1400	219	1450	1800	79,4

Brackets table of dimensions.



Prime-Tracker to be installed in front of every return pulley, to make the belt leave perpendicular to the pulley.

Prime-Tracker can be installed along the conveyor wherever problems occur

- Simple to install
- No maintenance
- Soft running with rubber bearing
- Protects belt edges and structure
- Can be installed above and below belt
- Very high reliability
- Prime-Tracker is cylindrical and always in full contact with the conveyor belt and does the job.