

# Self-Aligning Idlers

Economical Belt Tracking Tool



## Quick Specs

- ▶ Classes: CEMA B, C, D, E, and F
- ▶ Roll Diameters: 4" - 7"
- ▶ Belt Widths: 18" - 96"

## Frequently Asked Questions

### Why might I need a troughing self-aligner?

- ▶ There are many factors that cause belt mis-tracking, although some only affect the top side of the belt. Common to radial stackers, off-center loading causes mis-tracking to the belt's top side. A carry-side, or troughing self-aligner will track the belt straight at every radial position.

### Why choose this style?

- ▶ It comes down to simple economics. However, there are also distinct performance comparisons. The Navigator return trainer evolved from the self-aligner to solve issues with contact to belt guides.

### Why is the belt guide concave shaped?

- ▶ Compared to a harder, straighter style guide, the concave shape makes for a softer landing when the side of the belt contacts the guide.



Fig 6.1 Softer Landing for Belting



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## Features and Benefits

### Reduce Belt Mis-tracking

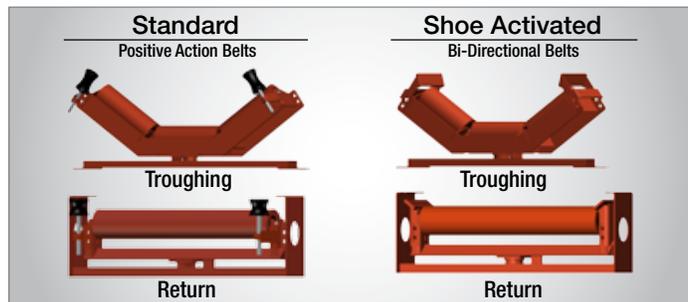
- ▶ Misaligned belts contact side roller or shoe pad
- ▶ After contact, idler pivots and centers belt

### Protect Sides of Belting (Fig 6.1)

- ▶ Compared to steel, urethane side guide rollers are softer on belting
- ▶ Concave shaped side guide rollers keeps traction on belting

### SpinGuard® Seal Technology

- ▶ Contact seal prevents foreign material from entering seal cavity
- ▶ Grease-filled triple labyrinth seal shuts out contaminants
- ▶ Stationary external seal prevents material pinch points



## Part Number Guide

Example: B5-35EA-36



\*For return roll self-aligners, substitute "RETA" for troughing angle and aligner style.

