



# Self-Aligning Idlers



## Why *Martin* Self-Aligning Idlers?

*Martin* self-aligning idlers, also known as training idlers function with the same principle as a set of bicycle handlebars. If the belt tracks off-center, it contacts the guide rolls prior to the assembly and pivots the top portion of the frame. This helps to correct belt alignment by steering the belt back into the trough. CEMA recommends self-aligning idlers and return self-aligning idlers be installed at approximately 100ft centers.

### Also Available :

#### Shoe Type Self Aligners

- For reversing conveyors or applications with space constraints

#### Urethane Covered Return Rolls

- To combat abrasion on the return roll face caused by the pivoting action

#### Urethane Disc Return Rolls

- Abrasion resistant however self-cleaning

## Primary Causes of Belt Tracking Challenges

- Misaligned Idlers & Returns
- Belt misaligned coming out of the Tail Pulley
- Material build up, particularly on return rolls
- Crooked or damaged structure
- Off center loading in the conveyor load zone
- Belt profile not fully troughed; no belt contact with center roll
- Cupped Belt
- Wind, especially in the gravity take-up area

\*\*\* The return self-aligner drop dimension should match the return roll drop brackets on the rest of the conveyor

Learn more about *Martin* and Material Handling solutions at:  
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