

K-Commander® Series Conveyor Belt Tracking Solutions

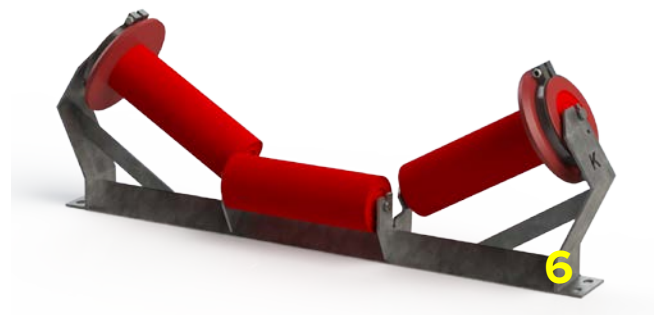
Misaligned conveyor belts have the potential to cause many problems associated with the conveying of bulk materials. This includes material spillage and reduced life to conveyor belting and the conveyor structure.

Ideally a pivoting, self-centralising, belt training system, which rotates freely when the belt experiences mistracking behaviour should be installed. Other options include fixed tracking solutions without rotating structure.



K-Commander® Series Conveyor Belt Tracking Solutions Range:

1. **K-Commander® Prime Tracker**
Return
2. **K-Commander® Control Series S & R**
Return
3. **K-Commander® Direct Series TR HD**
Trough
4. **K-Commander® Direct Series TR SD**
Trough
5. **K-Commander® Direct Series R**
Flat Return
6. **K-Commander® Tracking Discs**
7. **K-Commander® Guide Series INV**
Inverted Vee Return



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Issue: 202109

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K-Commander® Series Conveyor Belt Tracking Solutions

K-Commander® Prime Tracker

Flexible, All-Direction Belt Tracking

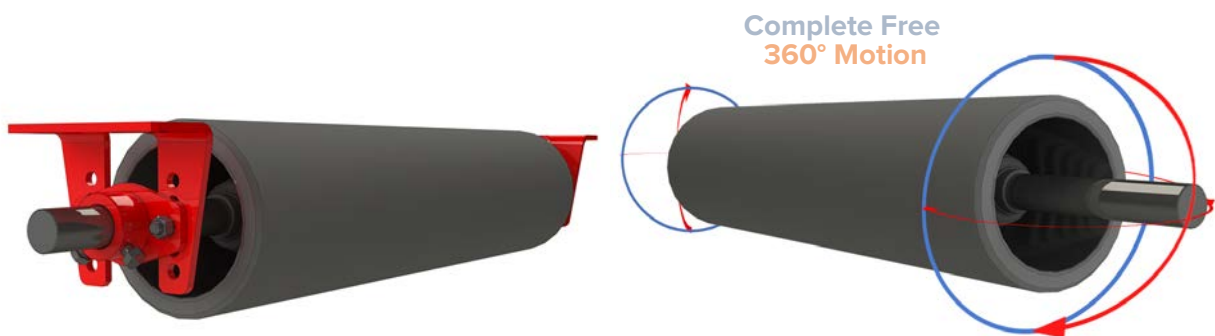
Features flexible 360° rotational capability for correct and optimal conveyor belt tracking. The separate axial and rotational function mean the double axis pivot bush can be utilised to achieve a completely free 360° pivot.

The K-Commander® Prime Tracker has been designed with two key stages. The first stage focuses on the inner shell which contains the shaft and an engineered pivoting bush allowing the axial movement of the tracker. The inner shell is protected by a flexible EPDM rubber boot.

The second stage focuses on the roller bearings, which allows the rotational movement of the tracker. The roller bearings connect the inner shell and the outer shell and are protected by a labyrinth seal.

Key features:

- Rubber lagging provides extreme wear resistance.
- Low friction pivot design allows for instant correction of even minor misalignment.
- Tracker pivot is intrinsically reversible.
- Cylindrical (non tapered) design extends service life and leads to uniform wear.
- Adjustable brackets allow for a more adaptive installation.
- Lagging can be easily replaced / reconditioned.
- Internalised design is suitably protected from dust and sand.



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K-Commander® Series Conveyor Belt Tracking Solutions

K-Commander® Control Series

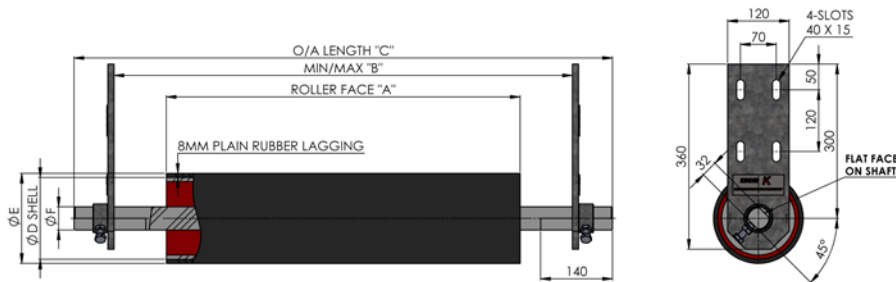
Return Side Conveyor Belt Tracking

The installation of the K-Commander® Control Series is only for the return side, being the most critical surface of the belt in order to maintain belt alignment. The unique engineered action of the central ball and socket link is encased in a rubber covered steel tube. This protects the internal mechanics and ensures that the belt runs true.

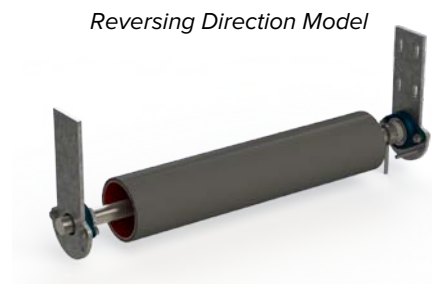
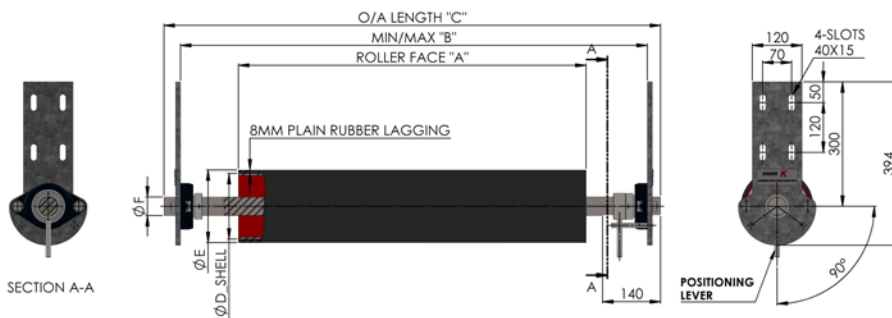
Key features:

- Rubber lagging for extreme wear resistance.
- No external pivoting parts or servo rollers.
- Heavy duty construction.
- Adjustable mounting brackets for ease of installation.
- Lagging can be replaced / reconditioned.
- Available in single or reversing models.
- Flexibility to install above or below the belt.

K-Commander® Control Series S



K-Commander® Control Series R



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K-Commander® Series Conveyor Belt Tracking Solutions

K-Commander® Direct Series

The installation of K-Commander® Direct Series Conveyor Belt Tracking Solutions can also assist with correct conveyor belt tracking. These are a “pivoting base style”, available in both trough and return applications automatically providing belt centring. The outboard servo rollers cause the idler frame to pivot as they contact the belt edge and this swivel action causes the belt to realign automatically.

To further aid belt tracking, Kinder offer rubber lagged rollers (trough and return) as an option for your belt tracker. This results in the following:

- Better tracking performance in heavy duty applications.
- Increased roller durability against the constant scuffing nature roller shells in trackers experience.
- Increased belt training response.

K-Commander® Tracking Discs

The K-Commander® Tracking Discs fits both flat and vee return rollers as well as some troughing rollers.

Ideally, they are located in pairs prior to the tail pulley to help align the conveyor belt, and so eliminating spillage from mis-tracked belts. They can also be installed after the feed area on troughing sets to help keep the belt aligned.

Key benefits:

- Easy installation - split on one side to slip over the roller. No need to remove rollers.
- High wear resistant grade of Polyurethane used.
- No damage to belt edges.
- Fire Resistant and Anti-Static (Uncertified FRAS).

K-Commander® Direct Series TR HD



Wing roller shown as rubber lagged option.



Made with FRAS additive, however
NOT been tested to Mines Safety
Department Standards and
NOT certified to MDG 3608.

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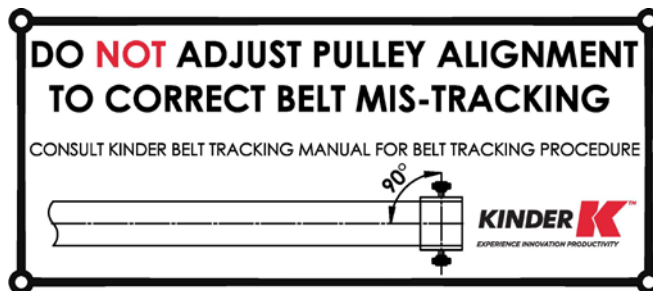
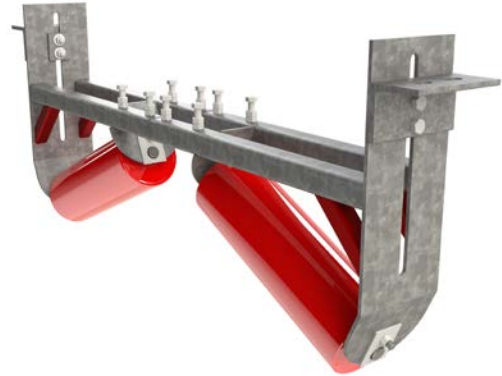
K-Commander® Guide Series INV

An all-purpose conveyor belt alignment idler ideally suited to short centred or reversing conveyor applications.

The two inverted vee rollers, put pressure down onto the belt, promoting centralised belt training. The universal frame adjusts to all types of mounting structures and is installed just after the head pulley, or prior to the tail pulley.

Key benefits:

- Limits belt damage and controls spillage.
- Suitable for reversing belts and easy to install.
- Available for all belt widths, **ex-stock**.



Part Number: K-TAG-BT (Pulley Warning Sign)

The **K-Warning Conveyor Belt Tracking Sign** is highly visible, when displayed **warns maintenance teams against adjusting belt tension at the pulley to compensate for a mis-tracking belt.**

Having the K-Warning Conveyor Belt Tracking sign on display, creates awareness of a common issue where maintenance team change the alignment of a pulley to track the belt. This action goes against the best practice for belt tracking that all pulleys should run parallel to each other.

The K-Warning sign should ideally be riveted to structure in a visible location near pulleys.

This type of adjustment can lead to uneven tension across the width of the belt. Under tensioning of the belt may cause drive traction issues and increases belt sag belt which leads to spillage. Over tensioning may damage the belt splice or plies.

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Recommended Conveyor Belt Tracker Placement Diagram

