

K-Shield Impact Belt Support System

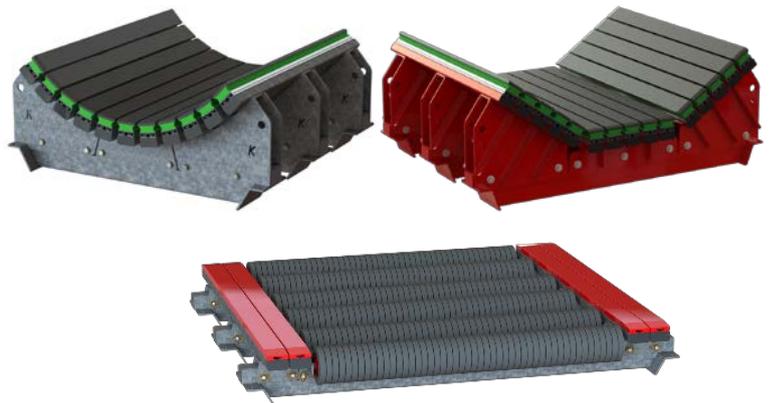


Transfer Point Load Containment

The **K-Shield Impact Belt Support System** can dramatically improve material containment at high impact conveyor transfer points. Each cradle is custom engineered to suit a variety of heavy material applications. The rigid cradle provides extra support under the moving conveyor belt, stabilising the load at the transfer point. The skirting and seals can then work more effectively, preventing spillage which creates unnecessary maintenance and labour costs.

A key feature of the K-Shield Impact Belt Support is that it has no moving parts to fail and therefore is free of continual maintenance. The 12mm thick UHMW polyethylene wear surface allows the belt to slide freely over the cradle surface. The cradle is designed to interchange with existing idlers to maintain the same belt height.

The K-Shield Impact Slider Bars form a continuous seal and protect the belt from early failure due to pinch point damage. The smooth curved trough supports the belt over the entire surface, preventing conveyor belt punctures and tears.



Key Design Features:

- No moving parts (on selected models).
- Energy absorbing Impact Bars.
- Modular design.
- Fire Retardant Anti-Static (FRAS) available.

K-Shield Impact Belt Support System

K-Glideshield® High Capacity / Speed Impact Bars



The K-Shield Impact Slider Bars can also be manufactured with proprietary **K-Glideshield® High Capacity / Speed Impact Bars**, suitable for the most demanding mining and high-speed applications.

K-Glideshield® Bars consists of a proprietary composite material formulated to achieve the following properties.

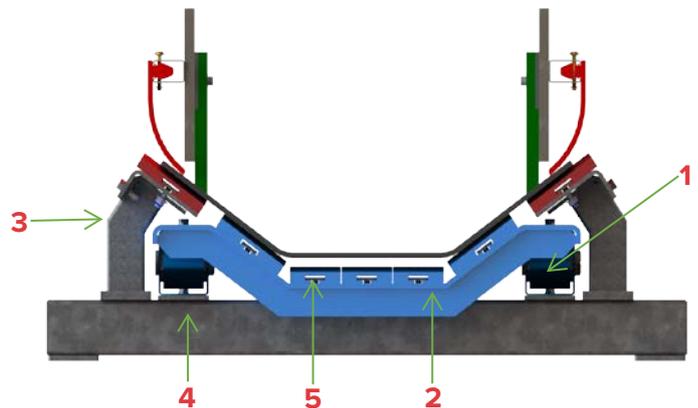
- Low coefficient of friction (< 0.1)
- High service temperature, 250° C continuous, 300° C short term.
- Thermal conductivity to dissipate surface heat.
- Anti-static to prevent spark generation.
- Increased wear resistance.
- Good compressive strength.

K-Shield Dynamax® Impact Belt Support System



Key Design Features:

- No rotating parts
- Modular design
- Energy absorbing mounts in impact zone
- Fixed wings for effective skirting
- Low friction UHMWPE Slider rails
- **Available in all belt widths**



1. Energy absorbing anti-vibration mounts
2. Dynamic trough suspended on anti-vibration mounts
3. Fixed wings
4. 100 x 100 x 8 RHS Transom
5. Low friction UHMWPE Slider Rails