

K-Magnetic Separator Pulley



Smarter Protection. Cleaner Product. Continuous Performance.

When metal contamination threatens your process, downtime and costly repairs are not an option. Our **K-Magnetic Separator Pulleys** are engineered to deliver powerful, continuous ferrous (iron or steel) removal - keeping your conveyor systems running smoothly and your product flow free from risk.

Designed as a direct head pulley replacement, our pulleys combine high-strength permanent magnets with a self-cleaning design for uninterrupted operation.

The result? Zero compromise on productivity, safety, or product quality.

Key Features

- Permanent magnet design for consistent, reliable separation
- Continuous self-cleaning operation with no operator intervention
- Designed for retrofit—replaces standard conveyor head pulleys
- Custom sizes and widths available to suit application requirements
- Quick, easy installation with minimal system modification.

Key Benefits

- Efficient removal of ferrous metals from conveyed product.
- Reduces risk of costly damage to crushers, grinders, and other equipment
- Low maintenance thanks to durable, self-cleaning design.
- Enhances product purity and overall process efficiency.

K-Magnetic Separator Pulley & Take Off Rail Pictured.



**Note: Magnetic reach out varies with pulley diameter.
All pulleys are custom and made to order.**

Kinder Australia Pty Ltd
ABN 28 006 489 238

P: +61 3 8587 9111 | F: +61 3 8587 9101
conveyorsolutions@kinder.com.au
kinder.com.au

© 2025 Kinder Australia Pty Ltd

KINDER KTM
EXPERIENCE INNOVATION PRODUCTIVITY

40
YEARS
OF INNOVATION

K-Magnetic Separator Pulley

Applications

Ideal for industries handling bulk materials, including:

- Mining & Quarrying
- Recycling & Waste Management
- Food Processing
- Plastics & Rubber
- Wood & Pulp



How It Works

Installed as a head pulley on your conveyor, the K-Magnetic Separator Pulley attracts and lifts ferrous metals from the material stream. As the belt rotates, captured metals are carried beyond the discharge point, dropping safely out of the product flow. This ensures maximum recovery with minimal operator intervention. They are an effective solution for preventing damage to crushers and other processing equipment while ensuring metal free product.

Backed by decades of industry expertise, Kinder’s engineered solutions are designed for reliability, performance, and safety. Our K-Magnetic Separator Pulleys deliver long-term value through reduced downtime, improved material quality, and protection of vital process equipment.

Standard diameters and maximum face widths are tabled below. The effective magnetic reach out distance varies with the pulley diameter, and this table can be used as a guide.

Diameter (mm)	Maximum\ Face Width (mm)	Magnetic Reach Out (mm)	Maximum Recommended Operating Speed (m/s)
141	1200	25	0.33
168	1200	30	0.45
219	1200	45	0.65
273	1250	55	0.81
323	1400	65	0.92
355	1450	75	0.98