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HEAD PULLEY MAGNETS

Description

Head pulley magnets are efficient magnetic separation systems designed to remove ferrous contaminants from bulk materials conveyed on belt systems. Installed as the head pulley at the discharge end of a conveyor, they generate powerful magnetic fields that attract tramp iron while clean material follows its natural trajectory off the belt.

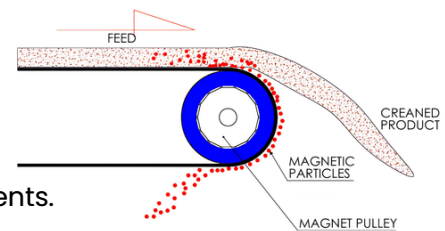
Operating as self-cleaning systems, they provide continuous contaminant removal without manual intervention. As material passes over the pulley, ferrous particles are held against the belt and discharged separately, ensuring consistent separation and uninterrupted flow.

Built with permanent magnetic assemblies inside heavy-duty stainless steel shells, head pulley magnets deliver durability and seamless integration into existing conveyor systems. They protect downstream equipment, improve product purity, and reduce maintenance costs in demanding industrial environments.

Widely used in mining, recycling, aggregates, cement, food processing, and bulk handling, head pulley magnets provide reliable, high-capacity contaminant removal.

Key features:

- Self-cleaning magnetic system for continuous operation and separation.
- Installed as head pulley for automatic inline separation.
- High-strength permanent magnetic field for effective removal.
- Captures fine particles and larger tramp metal.
- No electrical supply required (permanent magnet system).
- Rugged construction for harsh environments.
- Seamless integration into conveyor systems.
- Low maintenance and long service life.
- Improves product purity and protects equipment.
- Available in multiple sizes and configurations.



Specifications

Magnet Type	Permanent magnetic head pulley system
Magnetic Strength	Up to 18,000 Gauss (depending on configuration)
Construction	Made from heavy-duty stainless steel with internal magnetic assembly
Design	Head pulley with integrated magnetic field for continuous separation
Installation	Installed at conveyor head pulley position
Material Flow	Material conveyed over pulley with automatic separation of ferrous contaminants
Cleaning System	Self-cleaning via continuous belt movement and discharge of captured metals
Operating Temperature	20°C to 300°C depending on model
Power Supply	No power required (permanent magnet system)
Application	Continuous removal of tramp iron from bulk materials on conveyor systems
Customisation	Available in various diameters, widths, shaft sizes, and magnetic strengths to suit applications perfectly and match or replace existing head pulleys

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