

PERMANENT MAGNETIC PULLEY



ERICH MAGNETICS

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Axial Poles



Radial poles

ERICH Permanent Magnetic Pulleys separators are typically installed as head pulleys in conveyor system applications. They provide effective, automatic and continuous removal of tramp iron from a material flow. These are used in industries such as waste recovery, mining, foundry, coal, stone crushing and bulk material processing. Erich Magnetic pulleys improve product purity and protect costly equipment from metal damage.

When used in conjunction with Overband or Plate/suspension magnets, Erich Magnetic Pulleys will give the best possible protection against tramp iron in deep product burden depths.

Erich Permanent Magnetic Pulleys are available in two magnetic strengths. Type FE is made from Anisotropic Strontium Ferrite magnets having 1500 to 2200 Gauss on its surface and Type RE is made from High Power Rare Earth Neodymium Iron Boron magnets having 3500 to 4000 Gauss at surface.

OPERATION:

As the belt conveyed product travels over the magnetic head pulley, any ferrous metal that is mixed in the product is attracted and held firmly on the belt until it reaches the underside of the magnetic pulley where it passes out of the magnetic field and is discharged separately into a chute/bin from the conveyed product which continues on its normal trajectory.

Erich Magnetic Pulleys are supplied complete with shaft for ease of installation, where conveyor is already exist, shaft details can be machined to suit.

FEATURES:

- *Continuously, self cleaning when belt is running.
- *Removable Grade EN-8 steel shaft (stainless steel shaft optional).
- *Stainless steel 304 outer shell ensures longer life.
- *Powerful Axial magnetic circuit design (Radial pole Magnetic circuit as per request).
- *Quick and easy to install.
- *Totally maintenance free, no costly power supply, no running cost.
- *Custom built units available upon request.
- *Erich Magnetic Pulley sizes available from 151mm (6") up to 1000mm (40") diameters and width up to 2000mm (80").
- *Guarantee on magnetic performance.