

Dings Permanent Overhead Magnets

**Guaranteed
For Life**

self-cleaning

stationary



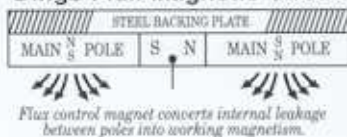
 **Dings**
CO.
magnetic group

Dings Flux Control Circuit

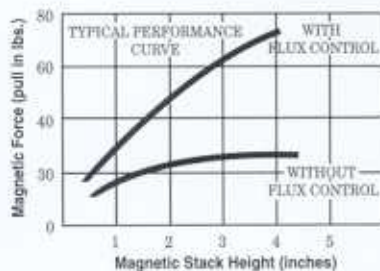
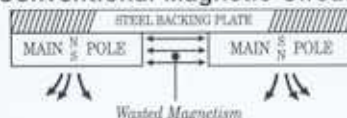
Patented Design Provides Ultimate Magnetic Power

You rely on your overhead magnet to remove ferrous metal – protecting downstream equipment and producing a cleanly separated product. Dings exclusive DFC design gives you the strongest, most consistent magnetic field so you can be assured of the highest separation efficiency. In fact, we're so confident of our permanent magnets' performance that the magnetism is guaranteed for life.

Dings Flux Magnetic Circuit



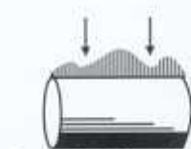
Conventional Magnetic Circuit



Magnetic force increases with Dings flux control circuit.



Dings Magnetic Field with Flux Control



Conventional Magnetic Field without Flux Control

Flux control produces a far more efficient magnetic pattern.

Dings Products With Flux Control

A conventional magnetic circuit contains air or filler material between the magnetic poles. This gap causes the flux, or excess magnetism, to be wasted. In Dings patented DFC design, blocking magnets are strategically positioned in the spaces between magnetic poles. These blocks redirect the flux outward, into your product, converting the wasted force lines to working force. The overall strength of the magnet is improved three ways – the field is stronger, the field is extended deeper and the field pattern is more uniform and therefore more efficient.

Flux Control Increases Efficiency

By efficiently using the magnetism, a Dings magnet can be sized to provide the right amount of magnetic power for your application – a potential savings in weight and cost.

Uniform Field Improves Performance

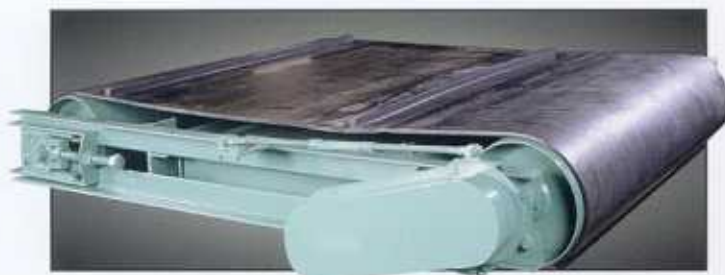
In addition to increasing the magnetic strength of Dings separators, this circuit design produces a very uniform magnetic field. You won't see the peaks and valleys you get with conventional magnets. And, because there are no dead spots across the entire width of the magnet, you can count on catching ferrous material even at the edges of the feed stream.

Overhead Designs

Permanent Magnets For Any Application

Whether you're removing an occasional piece of tramp metal or reclaiming metal in a recycling operation, Dings has an overhead design to meet your needs.

Self-Cleaning Overhead Magnets



Designed to remove larger quantities of ferrous metal, Dings self-cleaning overhead magnets are built for long-lasting, continuous operation. Metal won't build up on the magnet surface because a thick heavy-duty rubber belt moves around the magnet, intercepting attracted metal and sweeping it off. And, depending on whether your application is fixed or portable, you can specify either a hydraulic or electric belt motor to match your available power supply.

Stationary Magnets



If you are only bothered by occasional tramp metal, a stationary permanent overhead magnet is the perfect choice. This maintenance-free design has no moving parts and requires no power supply. A convenient three-point sling assembly is included with your magnet. Just suspend it over the conveyor or over the headpulley and it's ready to pick up those stray metal fragments before they can cause damage to downstream equipment. When the magnet surface starts to fill up, swing the magnet away from the conveyor and use the convenient wiper arm to dislodge the attracted metal. Swing it back over the conveyor and you're back in operation.



Dings overhead magnets may be installed either Inline (parallel to the belt direction) or Crossbelt (perpendicular to the belt direction). An Inline installation is typically more efficient since the material being conveyed is less compact as it is discharged from the headpulley. If space is at a premium, mount your magnet over any straight section of the conveyor in a Crossbelt installation.



Stationary magnets can also be installed over the conveyor or the headpulley. Installation over the headpulley is more efficient since the material is less compact as it is discharged.

The Dings Company

A Tradition of Excellence

1899. The year Myron Dings founded the Dings Magnetic Separator Company in Milwaukee, Wisconsin. What started as a small manufacturer of magnetic separators for the foundry industry soon grew and diversified. Today, more than 100 years later, the Dings Company is a recognized leader in magnetic separation technology for a wide variety of industries.

Dings magnets are used in rock quarries to protect crushers, at mines to concentrate iron ore, in food and chemical plants to prevent iron contamination, in recycling operations to separate aluminum and other metal, in solid waste plants to reclaim steel, and on roads and construction sites to pick up nails and other metal debris. Wherever metal needs to be moved, or removed, Dings has a magnet to do the job.

Call us today to discuss your magnetic separator needs. Our qualified sales engineers will work with you to find the right product for your specific requirements.

**Dings Company – Foremost in the Manufacture
of Industrial Magnets Since 1899.**



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Dings Company Magnetic Group
4740 W. Electric Avenue
Milwaukee, WI 53219
414-672-7830
414-672-5354 Fax
magnets@dingsco.com