Dings Co.
magnetic group
Powerful Magnetic Products Since 1899

Magnetic Head Pulleys

Engineering Driven
Customer Service Focused

www.dingsmagnets.com | magsales@dingsco.com
(414)672-7830

- Automatic and continuous separation
- Easily integrated into existing processing systems

Call us for Expert Support of Dings Co. Equipment - Regardless of its Age

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Dings Magnetic Head Pulley Strength Series

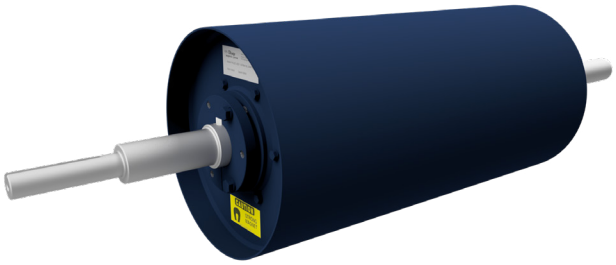
Dings Magnetic Head Pulleys are non-electric, self-cleaning magnetic separators. They operate as head pulleys on conveyors to separate tramp iron and iron impurities from materials conveyed in bulk form. They are designed for machinery protection and product purification. Our magnetic head pulley's magnetism is produced by an internal ceramic magnet assembly that is enclosed with a nonmagnetic stainless steel shell. Magnetic Head Pulleys come shipped ready to install!

Standard Series

Dings Standard Model Magnetic Head Pulley has diameters from 6 inches through 24 inches with welded construction.

Options: Vulcanized lagging, herringbone grid, chevron groove, diamond groove, rough top lagging, shaft modifications, tape (safety walk) lagging, taper lock™ hubs and bushings, XT® hubs and bushings, custom designs.

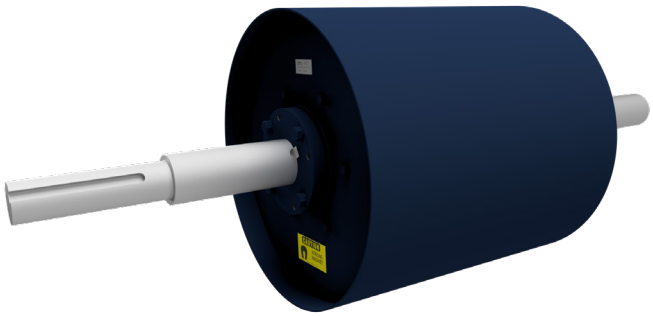
Heavy-Duty Series



Dings Heavy Duty Model Magnetic Head Pulley has diameters from 12 inches through 42 inches with welded construction.

Options: Vulcanized lagging, herringbone grid, chevron groove, diamond groove, rough top lagging, shaft modifications, tape (safety walk) lagging, taper lock™ hubs and bushings, XT® hubs and bushings, custom designs.

DFC Series



Dings DFC Ultra Model Magnetic Head Pulley has the greatest depth of magnetic field. It is designed with our Dings Flux Control (DFC) Circuit, which eliminates leakage in between magnetic poles. The overall strength of the magnetic field is stronger, extends deeper and is more uniform. The DFC Ultra Model has diameters from 12 inches through 42 inches with welded construction

Options: Vulcanized lagging, herringbone grid, chevron groove, diamond groove, rough top lagging, shaft modifications, tape (safety walk) lagging, taper lock™ hubs and bushings, XT® hubs and bushings, custom designs.

Magnetic Head Pulley Operation & Strength

Since every application has its own specific needs regarding the magnetic depth of field required, Dings Company Magnetic Group is the only company to offer you three different magnetic strengths.

Dings Standard	8", 12" 15" 18" 20" & 24" Diameters
Dings Heavy Duty	12", 15", 18", 20", 24", 30", 36" & 42" Diameters
Dings DFC Ultra	12", 15", 18", 20", 24", 30", 36" & 42" Diameters

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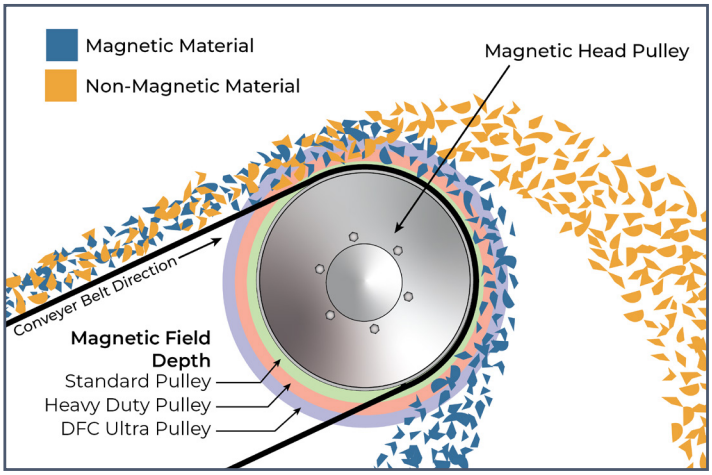
Head Pulley Material Trajectory



Dings Flux Control (DFC) Circuit

Dings Flux Control (DFC) Circuit design eliminates internal leakage between magnetic poles and improves separating performance. Other 'conventional' magnetic circuits contain air or filler material between the magnetic poles; this allows flux (magnetism) to escape (leak out) and be wasted. In Dings DFC design - blocking magnets are strategically positioned in the spaces between the magnetic poles. These redirect the flux outward, into your product, converting the wasted flux into working force - making the magnet more efficient.

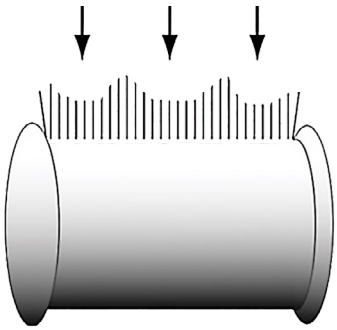
Dings DFC Design improves the overall performance of the magnet in 3 ways

- The magnetic field is stronger
- The magnetic field extends deeper
- The magnetic field pattern is more uniform

WARRANTY LIFETIME WARRANTY

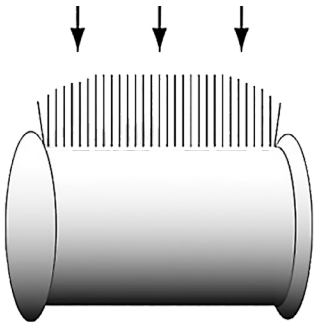
On Magnetism for all Permanent Magnets

Conventional Magnetic Circuit
With "filler" between the poles



leakage

Dings Magnetic Circuit
with blocking magnets between the poles

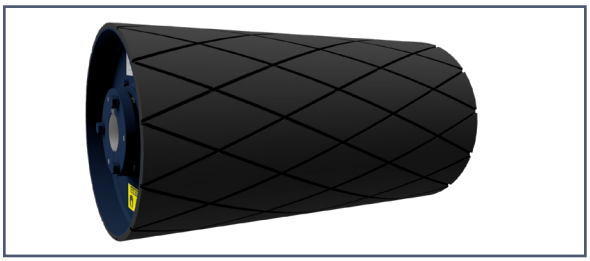


No leakage

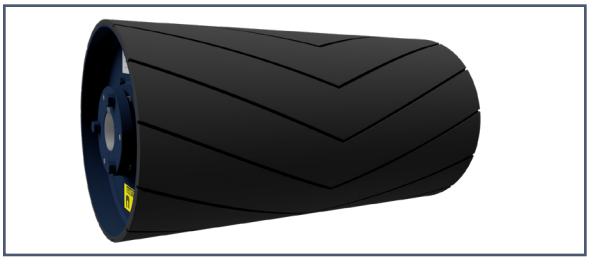
Dings Lagging Options

Herringbone Lagging

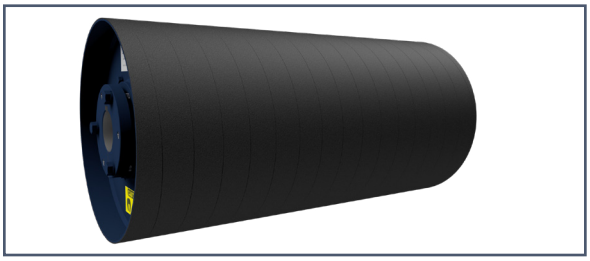
Diamond Lagging



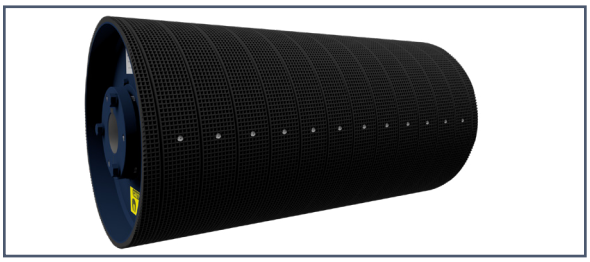
Chevron Lagging



3M Safety Walk Lagging



Rough Top Lagging



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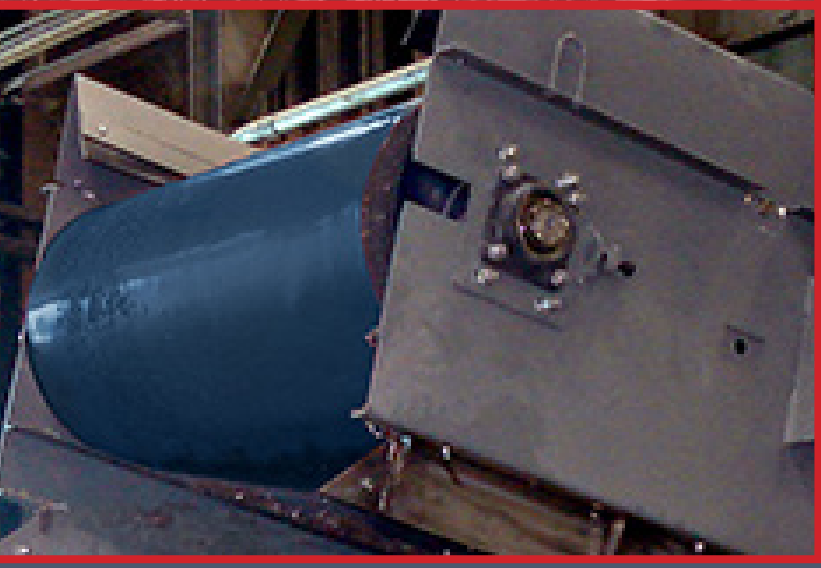

Engineering Driven - Customer Service Focused

Dings Company Magnetic Group engineering and sales staff work together from our Milwaukee, WI factory to provide outstanding customer service from experts in magnetic separation. We listen to our customers to gain an understanding of their needs and apply our experience in their trade to provide magnetic separation equipment that is sized and positioned for the best possible performance in their specific application.

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