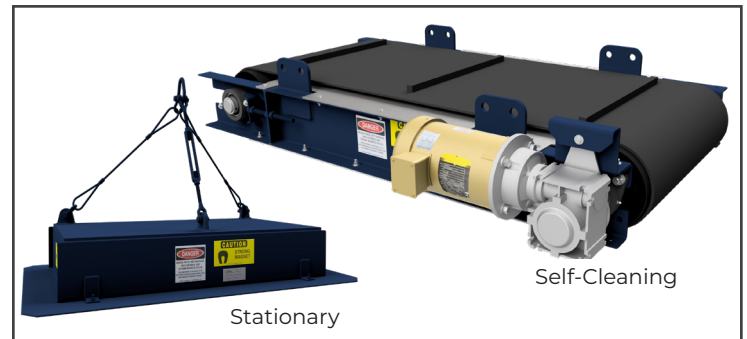
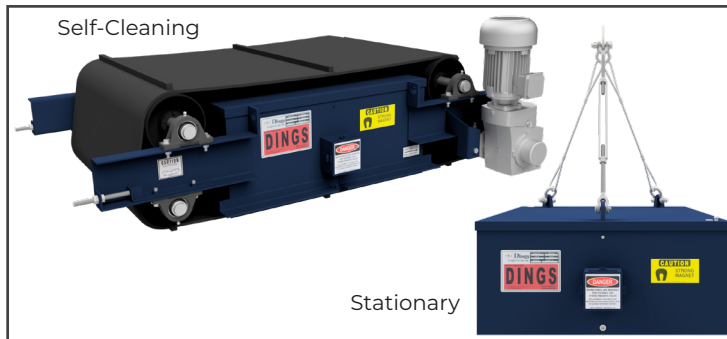


Overhead Magnets

Electro and Permanent

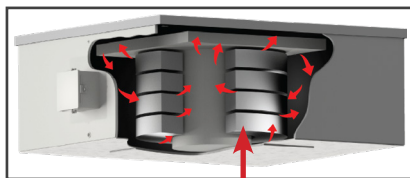
Aggregate & Mining Applications

Dings overhead magnets provide the industry's best performance and the durability that's required to prevent damage to processing equipment and costly down-time



Dings Electromagnets

- ◇ Balanced Magnetic Circuit for maximum efficiency and equal distribution of length, width and depth of magnetic circuit
- ◇ Multi-ply rubber belt with hot vulcanized 1" cleats for superior adhesion (Self-cleaning models)
- ◇ Severe Duty Model with stainless steel Durabelt pads and cleats to protect underlying rubber belt (Self-cleaning)
- ◇ Stationary Model is virtually maintenance-free with no moving parts. (except cooling oil changes as needed)
- ◇ Stainless steel bottom and center wear plate provides extra protection in the main impact area



Oil Flow =  Anodized Aluminum Strap



20-Year Warranty on Coil Burnout

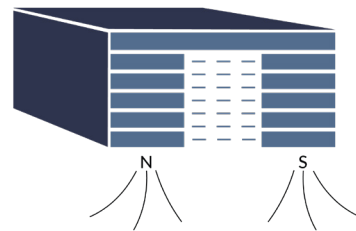
Dings Electromagnetic Coils

- ◇ No insulation is needed with anodized aluminum—eliminating the major cause of coil failure (insulation breakdown)
- ◇ More magnetism and separating power - generated by extra turns
- ◇ Each turn is exposed to oil-cooling - assuring a stronger, more efficient magnet
- ◇ Eliminates the need for external oil expansion pipes or tanks that require maintenance and can be damaged

Dings Permanent Magnets

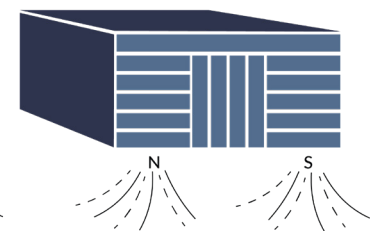
- ◇ No power supply needed for magnet (Stationary Model)
- ◇ Maintenance-free design (Stationary Model)
- ◇ Unique construction - the best ratio of field strength produced per size & weight of any in the industry!
- ◇ Magnet housing filled with Ceramic VIII magnet material
- ◇ Full stainless steel bottom plate
- ◇ 8 point mounting lugs (self-cleaning models)

Conventional Magnetic Circuit With "filler" between the poles



--- Indicates flux leakage in airspace

Dings Magnetic Circuit with blocking magnets between the poles



--- Indicates leakage converted to work force

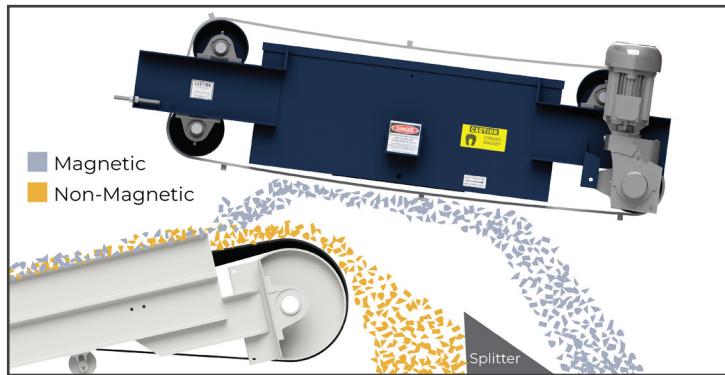
Dings DFC Design improves the overall performance of the magnet in 3 ways

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



On Magnetism for Permanent Magnets

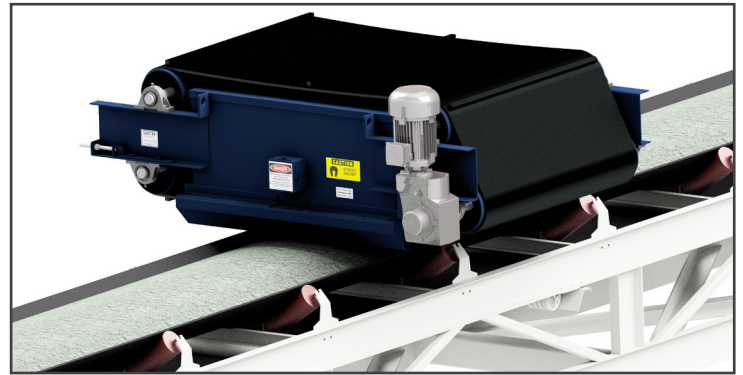
Inline Mounting Position



* Showing material flow and separation

Note: Inline over the head pulley orientation produces the best magnet performance because the material becomes airborne liberating the tramp metal making it easier to separate. Inline orientation sometimes permits the use of a smaller magnet compared to crossbelt positioning.

Crossbelt Mounting Position



Note: Crossbelt orientation is commonly used when inline over the head pulley isn't feasible due to the process. Self-cleaning crossbelt magnets discharge tramp metal into a collection bin along side of the conveyor.

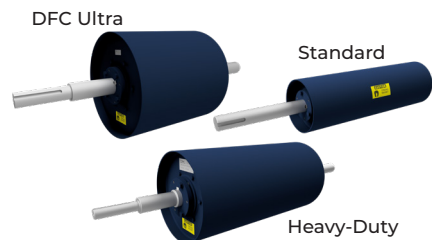


Dings Electromagnetic Rectifier

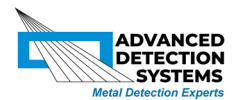
- ◇ Maintenance-free
- ◇ Overload capacity for short infrequent periods
- ◇ Corrosion protection in extreme environments

Note: All electromagnets require a DC power supply. Rectifiers converts alternating current (AC) from your local power source to the necessary direct current (DC) needed by electromagnets.

More Dings Company & Advanced Detection Systems Aggregate & Mining Equipment



Dings Magnetic Head Pulleys
Available in three strength series



Advanced Detection Systems
a Dings co. Magnetic Group sister company.

SurroundScan Protector HD
Reliable heavy-duty metal detectors

Engineering Driven - Customer Service Focused



Powerful Magnetic Products Since 1899

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.