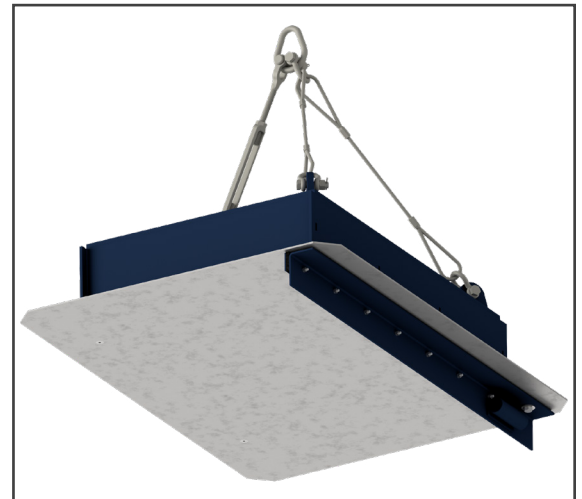


## Overhead Stationary Permanent Magnets

- ◇ 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.
- ◇ Non-magnetic stainless steel construction that prevents collection of ferrous metals on the magnet frame.



Optional sweep arm attachment for Stationary Model allows easier tramp metal removal

### Dings Stationary Permanent Magnet

Virtually maintenance-free with no moving parts. Ferrous metal is pulled out of the material stream and held in place until manually removed. Designed for easy installation, this model comes with a 3-point sling suspension system that includes two cables and one turnbuckle connected to a bull ring. Adjustment of suspension angle is easy. There is no measuring, shortening, lengthening or cutting of cable required. Stationary Permanent Magnets can be the most economical method of removing tramp metal when it is rare but must be removed.

### 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.

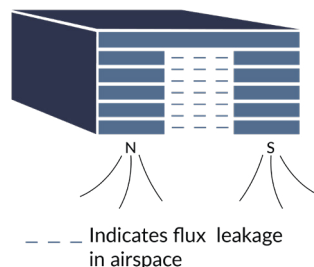
### Dings DFC Design improves the overall performance of the magnet in 3 ways

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

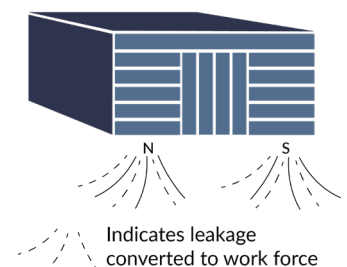


On Magnetism  
for all Permanent  
Magnets

Conventional Magnetic Circuit  
With "filler" between the poles



Dings Magnetic Circuit  
with blocking magnets  
between the poles





## More Dings Company Magnetic Separation Equipment

**Overhead Self-Cleaning Electromagnet**  
20-year warranty on coil burnout



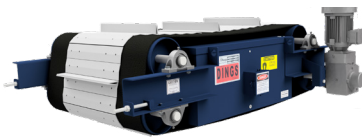
**Deep Drum Magnet**



**MRF (Material Recovery Facility) Overhead Self-Cleaning Electromagnet**  
3" high cleats



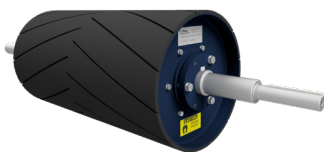
**Severe Duty Overhead Self-Cleaning Electromagnet**  
"Durabelt" Stainless steel pads and cleats



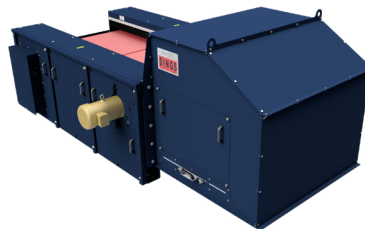
**Overhead Stationary Electromagnet**  
20-year warranty on coil burnout



**Magnetic Head Pulley**  
Available in 3 different strength series



**Eddy Current Separator**  
Separate non-ferrous metal



# 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.



# Dings magnetic group

## Overhead Stationary Permanent Magnet Quote Request

Company: \_\_\_\_\_ Quote Required Date: \_\_\_\_\_

Address: \_\_\_\_\_ Contact Person: \_\_\_\_\_

City, State, ZIP: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Phone/Cell: \_\_\_\_\_ Email Completed RFQ to: magsales@dingsco.com

Date Equipment Required by: \_\_\_\_\_

### Application Information

Application: \_\_\_\_\_

Type of Material Being Conveyed: \_\_\_\_\_

Belt Width: \_\_\_\_\_ inches      Belt Speed: \_\_\_\_\_ fpm      Belt Capacity: \_\_\_\_\_ tph

Bulk Density: \_\_\_\_\_ lbs/ft<sup>3</sup>      Max Lump Size: \_\_\_\_\_ inches      Max. Burden Depth: \_\_\_\_\_ inches <sup>(b)</sup>

Requested Magnet Suspension Height: \_\_\_\_\_ inches <sup>(a)</sup>      Trough Depth (if known): \_\_\_\_\_ inches <sup>(b)</sup>

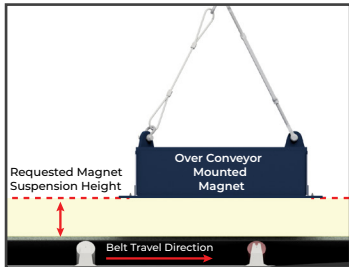
Conveyor Inclined?    Yes      No      Inclined: \_\_\_\_\_ ° degrees

Trough Idlers:      0° degrees      20° degrees      35° degrees      45° degrees <sup>(b)</sup>

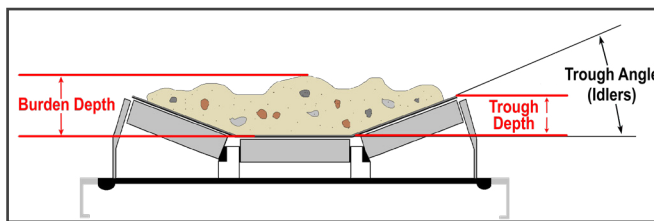
Supply Requirements:      Volts: \_\_\_\_\_      Phase: \_\_\_\_\_      Cycles Per Second (Hz): \_\_\_\_\_

Description of Largest & Smallest Size of Metal to be Removed: \_\_\_\_\_

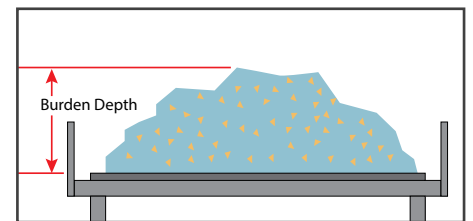
a) Description of magnet suspension height.



b) Description burden depth for troughed belt (idler angle and trough depth indicated).



b) Description of burden depth for flat belts (no idler angle/trough depth entries needed)



### Overhead Magnet Options

Hazardous Location

Dust Cover

CSA Approved Model

4-Point Suspension System

Special Requirements: \_\_\_\_\_