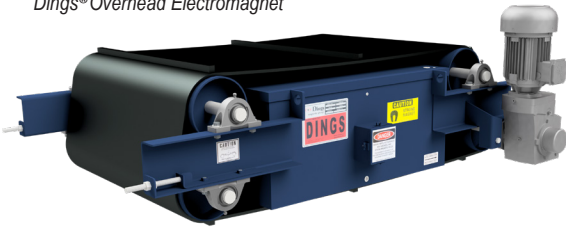


Overhead Self-Cleaning Magnets - Recycling

Dings® Overhead Electromagnet



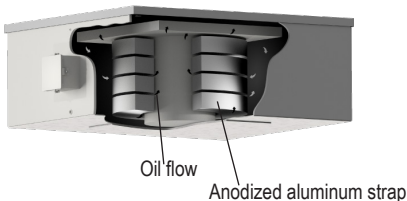
- **20 Year Warranty** on coil burnout
- Oil Expansion takes place internally
- Additional wear plate
- IP56 AGMA Class II motor
- 9 different strength levels available

Electromagnet Coils

Dings® Electromagnet coils are wound with an anodized aluminum strap, an exclusive design that generates more magnetism than any other on the market! This design outlasts and outperforms “conventional” round wire (copper, bare or anodized aluminum) coils that can lead to burnouts.

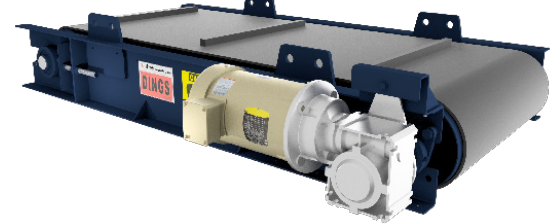
1. No insulation needed-eliminating the major cause of coil failure (insulation breakdown)
2. More magnetism and separating power
3. Each turn is exposed to oil-cooling-ensuring a stronger more efficient magnet
4. Eliminates the need for external oil expansion
5. Exceeds Class “H” insulation rating

Dings® Electromagnetic Coil



20 Year Warranty
 on coil burnout for
 Electromagnetic coils

Dings® Overhead Permanent Magnet



- **Lifetime Guarantee** on magnetism
- Stainless steel construction extends belt life
- Designed for high-volume separation
- IP56 AGMA Class II motor
- 5 different strength levels available

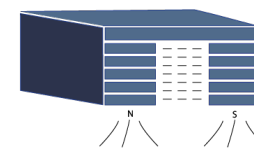
Lifetime Guarantee on Magnetism

Dings® Flux Control (DFC) circuit was a breakthrough in the design of Overhead Permanent Magnets. It 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 leak out and be wasted. In the DFC design, blocking magnets are strategically positioned in the spaces between the magnetic poles. These blocks redirect the flux outward, into your product, converting the wasted flux lines to working force, which makes the magnet more efficient.

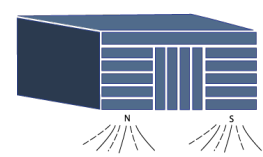
The overall strength of the magnet is improved in three ways:

1. The magnetic field is stronger
2. The magnetic field extends deeper
3. The magnetic field pattern is more uniform

“Conventional” Magnet Circuit



Dings® Magnet Circuit



DFC Flux Diagram

--- Indicates Flux leakage in airspace

--- Indicates leakage converted to work force

Stainless Steel Frame

Dings® Overhead Permanent Magnets have a non-magnetic laser cut stainless steel frame. This prevents ferrous metal from collecting on the frame and in between the belt and magnet face (belt “porcupining”)

- Dings® Self-Cleaning Electromagnets and Self-Cleaning Permanent Magnets are ideal for cleaning the product stream for equipment protection on shredded plastic being conveyed between shredders and granulators, separating ferrous metal contamination from non-ferrous products and maximizing product purification in Recycling Applications. We can custom design our products to meet your specific needs.

● **Technical Support Provided From Our Factory for the Life of the Magnet**