

# SEVERE DUTY OVERHEAD ELECTROMAGNET

*Dings Severe Duty Overhead Electromagnet*



- ☆ **20 Year Warranty** on coil burnout
- ☆ Removes vast amounts of steel bars and wire
- ☆ Excellent durability and wear resistance
- ☆ Oil expansion takes place internally
- ☆ Dings Armor-Clad 'Durabelt'

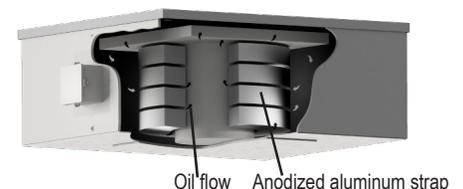
- Dings Co. Magnetic Group's Severe Duty Design Overhead Electromagnet is a tough, rugged version of our self-cleaning model designed for the punishing action of repeated blows from hard, heavy and sharp-edged steel.
- Dings Armor-Clad 'Durabelt' - thick plates of steel cleats protect the entire impact area and are easy to replace in field (saving on belt replacement costs and reducing downtime).
- Heavy-duty drive assembly, Lagging on the drive pulley, crown curved pulleys, self-aligning pillow block bearings and reinforced suspension/mounting arrangement
- Expansion of the high dielectric strength cooling oil takes place inside the magnet box. No external oil tank or additional plumbing is required. A pressure relief valve prevents moisture from entering the magnet box. The magnet is filled with cooling oil at the factory prior to shipment.
- Balanced magnetic circuit for maximum efficiency and equal distribution of length, width and depth of magnetic circuit.
- Full stainless-steel bottom plate with extra stainless-steel center wear plate in main impact area provides longer life.

## 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.

- 20-Year Warranty on coil burnout
- No insulation needed - 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 (ensuring a stronger, more efficient magnet)
- Eliminates the need for external oil expansion (less pipes or tanks that can easily be damaged)
- Exceeds Class "H" insulation rating

*Dings Electromagnet Coil*



## Typical Applications

The Severe Duty Model is typically used in applications such as: recycling crushed concrete, wooden pallets, shredded tires and construction & demolition (C&D) debris. The design is also recommended for processing recyclables at MRFs, separating steel from organic waste at composting sites and for applications of foundry sand.



*Dings Severe Duty Overhead Electromagnet in field*

- **Call Us For Expert Support of Dings Co. Magnetic Group Equipment - Regardless of Age**