

# Dings magnetic group CO.

The Strongest, Most Powerful Permanent Overhead Magnet Products are Only Available from Dings

Permanent Crusher Magnets • Electric Overhead Magnets • Magnetic Head Pulleys • Eddy Current Separators

MINING & MINERALS - POWER - RECYCLING & SCRAP - WOOD PROCESSING

ALL STAINLESS STEEL  
CONSTRUCTION



## DINGS PCM

# PERMANENT CRUSHER MAGNET

Since 1899, companies World-Wide have relied on Dings for the most durable, scalable and powerful magnetic separation equipment available. Whether you're involved in recycling, bulk processing, construction, or any application where you need to move or remove metal, Dings has the product for you.

### Permanent Crusher Magnet Series



Permanent overhead magnets are non-electric suspended type separators. No external power source is required for the magnet. During operation, tramp iron contained inside material conveyed under the

magnet is magnetically attracted. Magnetic force lifts the metal to the face of the magnet. Metal attracted by the self cleaning model is automatically and continuously removed from the magnet face by a belt that travels around the body of the magnet.

#### Features

- Lifetime guarantee on magnetism
- Patented flux control circuit (DFC) provides a stronger, deeper and more uniform magnetic field
- Smaller & lighter magnet for a given strength than any other in the industry
- Different magnet strengths for different suspension heights to meet your application



#### Options

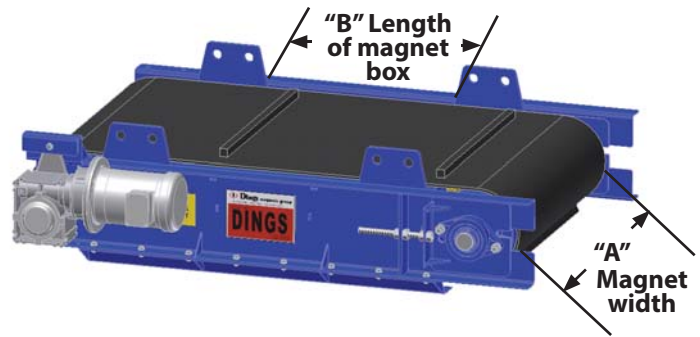
- Electric or Hydraulic Motors
- Belt & Pulley Guards
- Stainless Steel Pads & Cleats
- Special Belt Drive Voltages
- Severe or Hazardous Motors
- Custom Designed Frames
- Zero Speed Switch
- Customer Match Paint
- Belt Tracking Guides

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## PERMANENT CRUSHER MAGNET

| Model | Suspension Height | Length "B" |     | Width "A" |
|-------|-------------------|------------|-----|-----------|
|       |                   | Min        | Max |           |
| 9PCM  | UP TO 9"          | 36"        | 72" | 21"       |
| 11PCM | UP TO 11"         | 36"        | 72" | 26"       |
| 12PCM | UP TO 12"         | 36"        | 72" | 31"       |
| 13PCM | UP TO 13"         | 42"        | 72" | 35"       |
| 14PCM | UP TO 14"         | 42"        | 72" | 40"       |
| 15PCM | UP TO 15"         | 48"        | 72" | 45"       |



### Features and Specifications:



Patented Flux Control Magnetic Construction, Grade VIII ceramic magnet material, highest grade available. Magnets are fully charged with lifetime warranty on magnetism. Magnets use to 1% of their total power every 100 years.

Light weight and compact design, specifically developed for portable crushers.

Mild steel top plate for structural support - improved magnetic circuit. Full width stainless steel extra top plate, side and bottom plates provide protection against stray ferrous getting between magnet and frame.

All stainless steel frames provide solid support structure and prevent residual magnetism and collection of stray ferrous material (bird nesting).

Shaft mounted gear motor, TEFC 230/460-3-60 AC Standard. Hydraulic motors available at same price.

Extra wide stainless steel wear pan between magnet face and belt. The pan extends to the side channels for extra protection from stray ferrous material.

Crown curved pulleys with compression hubs for improved belt tracking.

Self-cleaning belt is non-endless multi-ply rubber with 1" by 1" vulcanized rubber cleats with hinged spliced Flexco fasteners. Belt speed is set a 350 to 400 FPM.

Stainless steel deflector for material control and extra protection from stray ferrous material.

All unprotected surfaces are painted with a coat of enamel.

