

At A Glance

-  **Protection: Primary**
-  **Feed Type: Conveyor**
-  **Material Type: NdFeb**
-  **Cleaning Type: Automatic**

Our high intensity drum magnet is ideal for the continuous removal of tramp ferrous contamination from any dry bulk material and is regularly installed in the most arduous of environments.

Drums should be fitted at the discharge end of conveyors or vibratory feeders. High performance Rare Earth magnets are incorporated within a stainless steel wear resistant drum shell. Cleaning is continuous: the drum rotates taking contamination away from the static magnets.

Units are available for all product volume flows ranging from 5–500m³ / hr and a contamination loading of up to 50% of the total product volume.



Benefits

- Reduces spark risk
- Allows difficult products to be screened
- Continuous self cleaning
- High volume capacity
- Removes large to medium sized contamination

Performance

Magnetic Performance 3,500 Gauss
Magnetic field depth 8 inches Dia. = 3 inches, 12 inches mm Dia. = 4 inches
16 inches Dia. = 6 inches*
Temperature 23°F / +104°F (-5°C / +40°C)

Suitability

Suitable Products Dry powders, granulates, grain and sand etc.
Suitable Location End of conveyor belt, vibratory feeder or in-line chute sections

Materials

Magnetic Material Rare Earth Neodymium Iron Boron - (NdFeb)
Drum Shell 304 grade stainless steel

Cleaning

As the drum rotates, carry-over fins move the contamination to the rear of the drum where the magnetic area ends where the contamination falls in the opposite direction of the material being processed. The drum rotates at between 20–25 RPM ensuring that even the most heavily contaminated product can be separated.

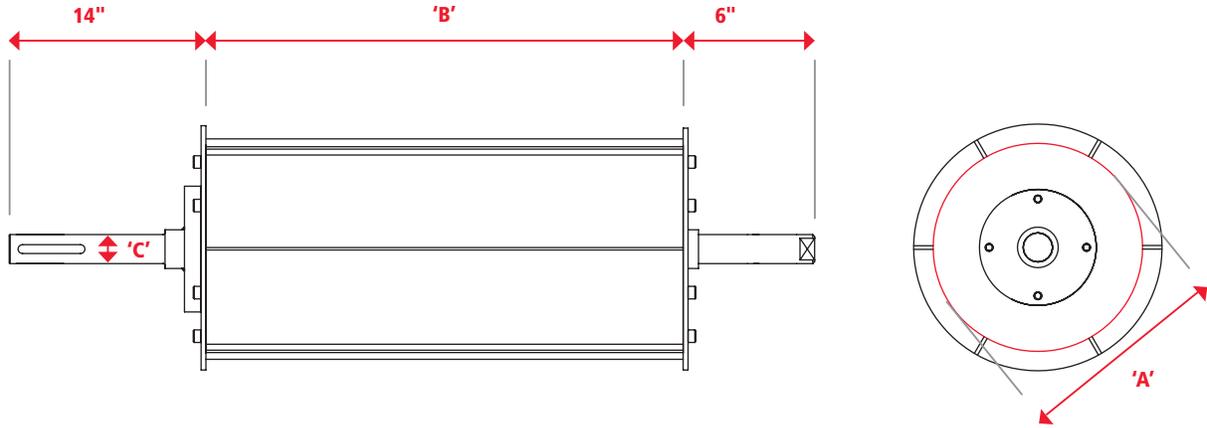
Options

- 16 grade stainless steel
- ATEX certified
- Replaceable wear skin
- Higher temperature versions available

*Mild steel test piece Ø0.2 inches x 1.0 inches



Drum Magnet



| Part Number | Diameter A (inches) | B (inches) | Diameter C (inches) | Weight (lbs) |
|-------------|---------------------|------------|---------------------|--------------|
| DMN2140 | 8 | 16 | 1.2 | 132 |
| DMN2150 | 8 | 20 | 1.2 | 159 |
| DMN2160 | 8 | 24 | 1.2 | 185 |
| DMN2170 | 8 | 28 | 1.2 | 212 |
| DMN2180 | 8 | 32 | 1.2 | 238 |
| DMN2190 | 8 | 36 | 1.2 | 265 |
| DMN21100 | 8 | 40 | 1.6 | 291 |
| DMN3140 | 12 | 16 | 1.6 | 181 |
| DMN3150 | 12 | 20 | 1.6 | 185 |
| DMN3160 | 12 | 24 | 1.6 | 238 |
| DMN3170 | 12 | 28 | 1.6 | 269 |
| DMN3180 | 12 | 32 | 1.6 | 300 |
| DMN3190 | 12 | 36 | 1.6 | 331 |
| DMN31100 | 12 | 40 | 1.6 | 340 |
| DMN4040 | 16 | 16 | 2.0 | 276 |
| DMN4050 | 16 | 20 | 2.0 | 276 |
| DMN4060 | 16 | 24 | 2.0 | 342 |
| DMN4070 | 16 | 28 | 2.0 | 154 |
| DMN4080 | 16 | 32 | 2.0 | 408 |
| DMN4090 | 16 | 36 | 2.0 | 441 |
| DMN40100 | 16 | 40 | 2.0 | 474 |

For non-standard sizes, please contact sales@eclipsetoolsinc.com

