

High Intensity Separating Drum



Drum Magnets are ideal for the continuous removal of tramp and fine ferrous contamination from dry bulk materials used in the processing of foods, chemicals, minerals and any similar product type.

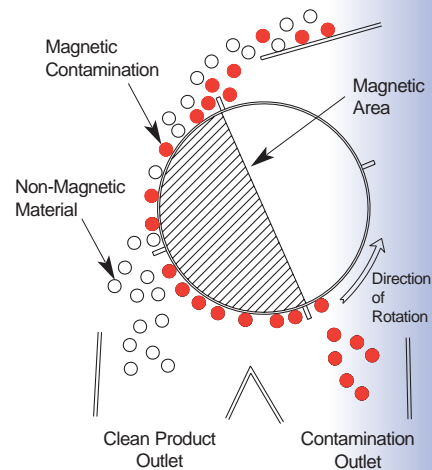
The drums should be fitted at the conveyor discharge or ideally directly below a vibratory feed system.

High performance Rare Earth

Neodymium magnets are incorporated within a stainless steel, wear resistant drum shell. The drum shell is supported on high quality sealed flange bearings to ensure smooth, efficient and reliable rotation of the shell around the magnetic element.

Operation is simple. The product is fed onto the surface of the drum directly into the high intensity magnetic field. Any ferrous contamination is attracted to the drum surface and is carried around the rotating shell to a point where the magnet element terminates, enabling the release of any ferrous contamination into a suitable discharge chute.

Non ferrous material is unaffected by the magnetic field and falls freely away from the drum. To ensure efficient separation of product, a diverter should be fitted below the drum discharge point.



Main features and benefits:

- High performance Rare Earth Neodymium ensures maximum field strength.
- Stainless Steel housing.
- Low maintenance
- Quick and easy to install.
- Self cleaning.
- High volume throughput.
- Guarantee on magnetic performance.
- Wide range of sizes available.
- Supplied fully certified.



Technical Specifications

Magnetic Performance: 4000 Gauss on drum surface.

Magnetic Material: High Energy 'Rare Earth' Neodymium Iron Boron.

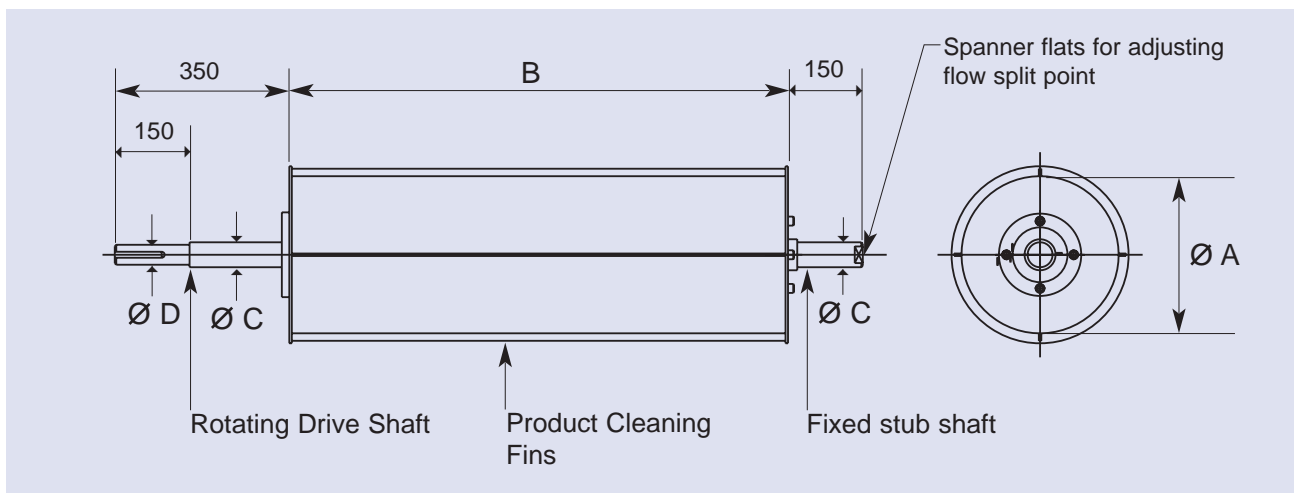
Material Specification: All product contact surfaces 316 Stainless Steel.

Finish: Natural.

Limitations: High Intensity Rare Earth Separator Drums should not be exposed to temperatures in excess of 100 °C (212 °F).

Eclipse Magnetics has a full range of magnetic separators to cover all applications. Many separators can be tailor made to exactly suit existing process pipeline and duct work.

Part No.	Dia. A (mm)	B (mm)	Dia. C (mm)	Dia. D (mm)	Weight (kg)
DMN2140	215	400	40	30	60
DMN2150	215	500	40	30	72
DMN2160	215	600	40	30	84
DMN2180	215	800	40	30	96
DMN21100	215	1000	40	30	108
DMN3140	315	400	50	40	82
DMN3150	315	500	50	40	92
DMN3160	315	600	50	40	102
DMN3180	315	800	50	40	122
DMN31100	315	1000	50	40	146
DMN4040	400	400	50	40	125
DMN4050	400	500	50	40	135
DMN4060	400	600	50	40	145
DMN4080	400	800	50	40	165
DMN40100	400	1000	50	40	195



If it's Magnetic

....Then it's Eclipse Magnetics

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