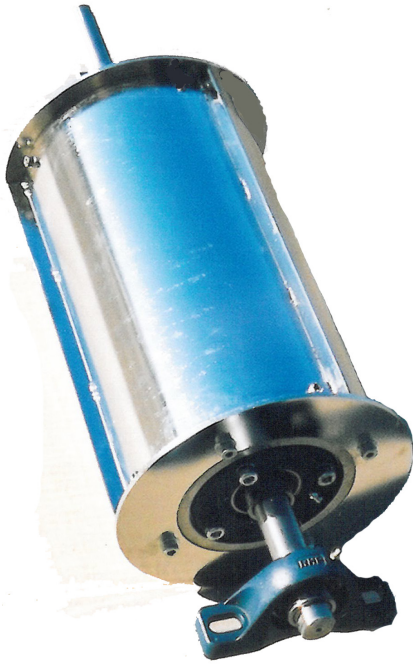


Drum Magnet

High Intensity – Rare Earth

Datasheet No. 601



The Eclipse Magnetics 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.

Cleaning

The processed product is fed over the drum surface where any contamination is attracted. 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.

Suitable Products

Dry powders, granulates, grain and sand etc.

Suitable Locations

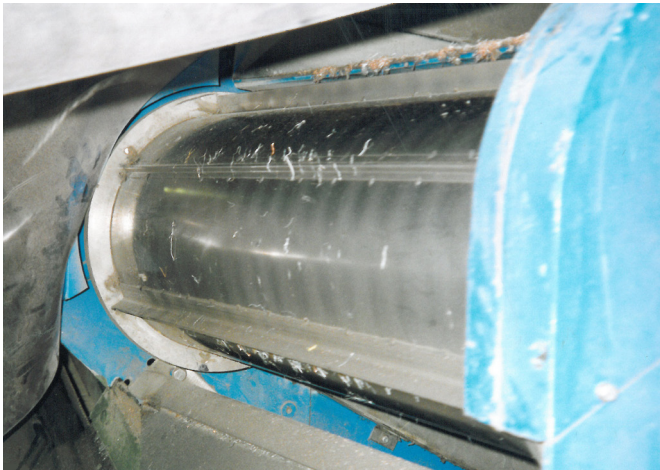
End of conveyor belt, vibratory feeder or inline chute sections.

Benefits

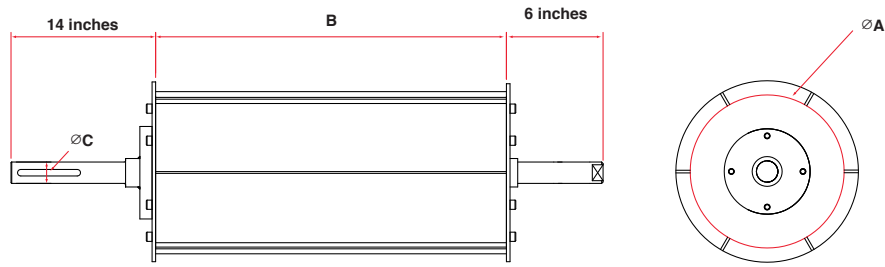
- Continuous self cleaning
- Allows difficult products to be screened
- High volume capacity
- Reduces 'spark' risk
- Removes large to medium sized contamination

Category

Primary protection - tramp.



Technical Data



Product Information

Part Number	ø A inches	Width B inches	ø Dia C inches	Weight kg	Weight lb
DMN2140	8	16	1.2	60	132
DMN2150	8	20	1.2	72	159
DMN2160	8	24	1.2	84	185
DMN2170	8	28	1.2	96	212
DMN2180	8	32	1.2	108	238
DMN2190	8	36	1.2	120	265
DMN21100	8	40	1.2	132	291
DMN3140	12	16	1.6	82	181
DMN3150	12	20	1.6	84	185
DMN3160	12	24	1.6	108	238
DMN3170	12	28	1.6	122	269
DMN3180	12	32	1.6	136	300
DMN3190	12	36	1.6	150	331
DMN31100	12	40	1.6	154	340
DMN4040	16	16	2.0	125	276
DMN4050	16	20	2.0	140	276
DMN4060	16	24	2.0	155	342
DMN4070	16	28	2.0	170	154
DMN4080	16	32	2.0	185	408
DMN4090	16	36	2.0	200	441
DMN40100	16	40	2.0	215	474

Performance

Magnetic performance	Rare earth 3,500 Gauss
Magnetic material	Rare earth neodymium iron boron
Magnetic Field Depth	8inches Dia. = 3inches; 12 inches Dia. = 4inches; 16inches Dia. = 6inches*
Temperature	-4°F / +176°F
*Mild steel test piece 0.1inch Ø × 1inch long	

Materials

Drum Shell	304 grade stainless steel – aerospace quality
Surface finish	Bead blasted

Options

- High temperature samarium cobalt magnetic material +482°F
- 316 grade stainless steel
- ATEX certified

If you have any more questions, require technical assistance or would like a quotation, please contact us.

www.eclipsetoolsinc.com

Eclipse Tools North America Inc.

442 Millen Road, Unit 9, Stoney Creek, Ontario, L8E 6H2, Canada

T 1-800-260-2124 F 1-800-260-1410

sales@eclipsetoolsinc.com www.eclipsetoolsinc.com

While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.