

Deep Field Overband Magnet



Recycling, quarrying and heavy industries continue to benefit from metal contamination extracted by use of Permanent Magnetic Overband Units.

Placed above flat or trough type conveyors, large permanent magnetic packs generate deep penetrating magnetic flux fields that attract and remove tramp steel items from conveyed products.

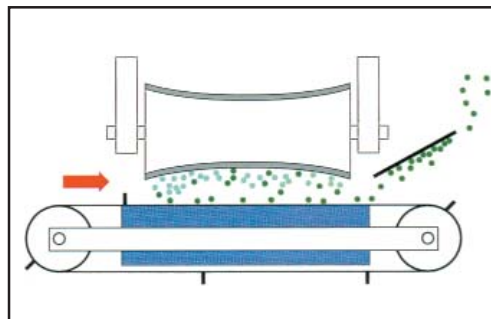
A rubber belt is driven around two rollers with the magnetic pack positioned in the centre. Ferrous items are attracted by the magnet to the belt's face and carried over and past the magnetic area until the contamination is deposited into a collection bin or skip. These units are designed and ideally suited for continuous use, where processing stops infrequently or for heavily contaminated products.

There are three models to choose from dependant on the conveyed product depth, with magnetic field depths of 90mm, 180mm and 270mm.

Standard Strength	Field Depth 90mm
High Strength	Field Depth 180mm
Super High Strength	Field Depth 270mm

Main features and benefits:

- Ceramic magnetic material ensures maximum field depth.
- Units are available in non standard sizes.
- Designed for arduous applications and environments.
- Protect expensive machinery from damage, ie screens, crushers etc.
- Quick and easy to install.
- Supplied with full test certificates.
- Guarantee on magnetic performance.



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.

Technical Specifications

Magnetic Performance:

Standard Strength 90mm magnetic field depth
 High Strength 180mm magnetic field depth
 Super High Strength 270mm magnetic field depth
 Field depths are based upon attraction of a 5mm dia x 25mm Mild Steel Bar in Free space

Magnetic Material:

Ceramic.

Material Specification:

Frame Work – Powder Coated Mild Steel.
 Shroud cover 304 grade Stainless Steel.

Drive Details:

100mm thick magnet - Motorised roll drive.
 200-300mm thick magnets – Geared motor direct drive.

Limitations:

Standard units should not be exposed to temperatures of -15° C (59° F) and below and 37°C (100°F) and above.

100 Series

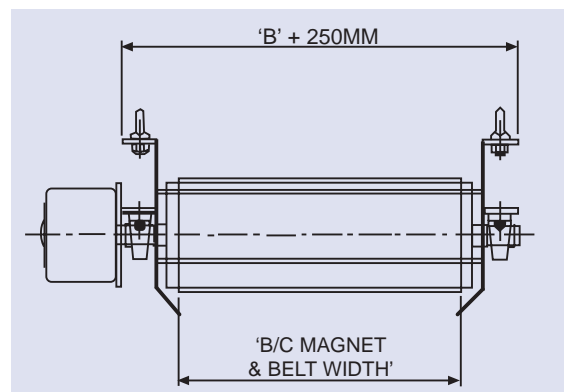
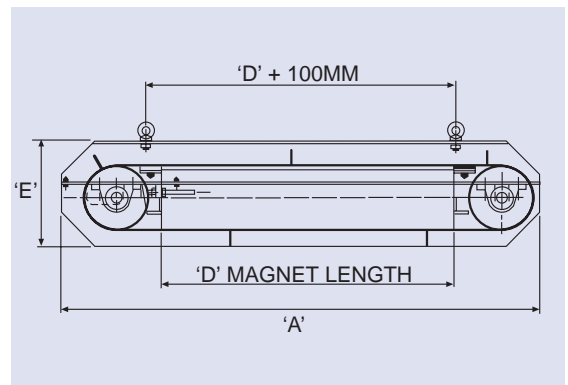
Part No	Length A (mm)	Width B/C (mm)	Length D (Magnet)	Depth E	Motor Size Kw	Weight (kg)
OM100/300	718	350	300	345	0.18	161
OM100/450	868	350	450	345	0.18	205
OM100/550	968	350	550	345	0.18	234

200 Series

Part No	Length A (mm)	Width B/C (mm)	Length D (Magnet)	Depth E	Motor Size Kw	Weight (kg)
OM200/550	1069	600	550	370	1.00	677
OM200/650	1169	600	650	370	1.00	771
OM200/800	1369	600	800	370	1.5	914

300 Series

Part No	Length A (mm)	Width B/C (mm)	Length D (Magnet)	Depth E	Motor Size Kw	Weight (kg)
OM300/800	1474	800	800	520	1.50	1698
OM300/1050	1724	800	1050	520	2.20	2144
OM300/1250	1924	800	1250	520	2.20	2500



*If it's Magnetic
Then it's Eclipse Magnetics*

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