

Permanent Magnetic Overband

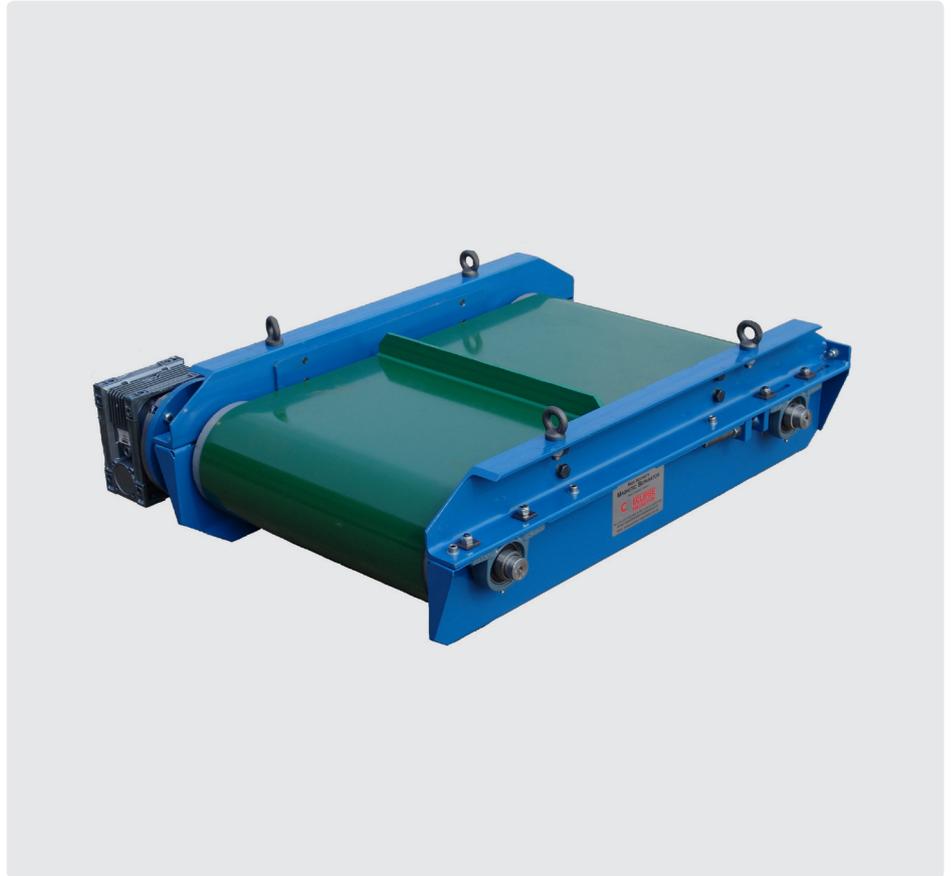
At A Glance

-  **Protection: Primary**
-  **Feed Type: Conveyor**
-  **Material Type: Rare Earth**
-  **Cleaning Type: Automatic**

Permanent overband magnets are used in recycling, quarrying and heavy industries. These units can be placed above flat or trough type conveyors. Large permanent magnetic packs generate deep penetrating magnetic flux fields that attract and remove 'tramp' type steel items.

This unit is considerably cheaper to purchase and run than electro-magnetic units, the only power consumption is for the geared drive.

When considering installation points it should be noted that steel belt support rollers will need to be changed to non-magnetic ones due to possible flux field absorption.



Benefits

- Continuous self cleaning
- High volume capacity
- Removes large to medium sized contamination
- Allows difficult products to be screened
- Designed for 24 / 7 operation

Performance

Magnetic Performance	3,000 Gauss
Magnetic field depth	100 Series = 100mm*, 200 Series = 200mm* 300 Series = 300mm*
Electrical Spec	415 / 380 Volts industrial three phase IP65 rated motor gearbox
Temperature	-20°C / +60°C

Suitability

Suitable Products	All conveyable products, wood chip, biomass, recyclables, aggregates, coal etc
Suitable Location	Above transfer conveyors, vibratory feeder outlets etc

Materials

Frame	Powder coated mild steel
Rollers	Mild steel
Belting	Vulcanised rubber with ultrasonically welded cleats
Lifting Points	Galvanised forged steel eyes

Cleaning

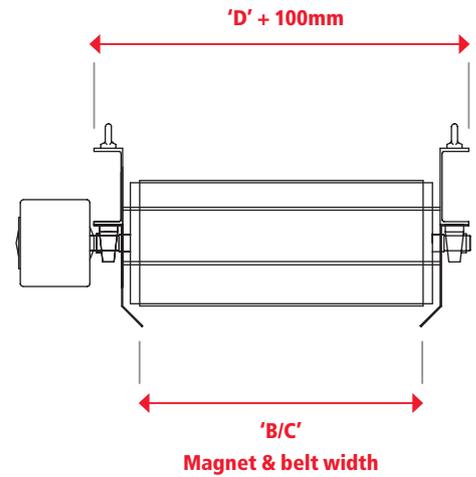
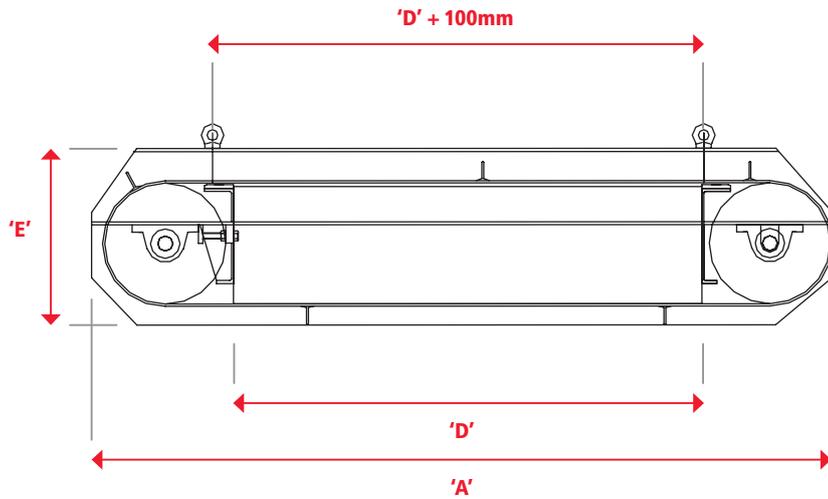
Overband magnets have a continuously running belt which takes away and deposits all attracted contamination. Carry-over cleats are fitted to ensure that contamination cannot remain on the belt. It can operate 24 / 7 operation without operator intervention.

Options

- Safety electrical interface
- Armoured belting
- Hydraulic drive motor
- Tapered rollers to enable angled operation

*Mild steel test piece \varnothing 5mm x 25mm long

Permanent Magnetic Overband



Part Number (100 Series)	A (mm)	B / C (mm)	D (mm)	E (mm)	Motor (kW)	Weight (kg)
OM100/300	718	350	300	125	0.18	160
OM100/450	868	350	450	125	0.18	205
OM100/550	968	350	550	125	0.18	240
OM100/650	1068	350	650	125	0.18	270

Part Number (200 Series)	A (mm)	B / C (mm)	D (mm)	E (mm)	Motor (kW)	Weight (kg)
OM200/550	1069	600	550	345	1	680
OM200/650	1169	600	650	345	1	770
OM200/850	1419	600	850	345	1	820
OM200/1050	1619	600	1050	345	1.5	970
OM200/1250	1819	600	1250	345	2.2	1120

Part Number (300 Series)	A (mm)	B / C (mm)	D (mm)	E (mm)	Motor (kW)	Weight (kg)
OM300/800	1474	800	800	460	1.5	1700
OM300/1050	1724	800	1050	460	2.2	2150
OM300/1250	1924	800	1250	460	2.2	2500
OM300/1500	2174	800	1500	460	2.2	2850
OM300/1750	2424	800	1750	460	2.2	3200

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