

## Deep Field Plate Magnets



Plate magnets are positioned above conveyor belts to prevent tramp iron from being introduced into crushers, screens and other expensive plant machinery.

These magnets generate deep magnetic flux fields to reach into the conveyed product to remove tramp iron, reducing costly down time and expensive repairs.

Each unit in this range can be utilised in harsh and arduous applications and in all weathers and climates.

There are three models to choose from dependant on the conveyed product depth, with magnetic field depths of 90mm, 180mm and 270mm. With no maintenance and no running costs plate magnets are the ideal economical unit to protect your process machinery and finished product.

<b>Standard Strength</b>	Field Depth 90mm
<b>High Strength</b>	Field Depth 180mm
<b>Super High Strength</b>	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.
- Totally maintenance free (apart from cleaning), no power supply, no running costs.
- Quick and easy to install. Once in position, you know it's definitely working.
- 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:** Back plate – Mild Steel.  
 Shroud cover 304 grade Stainless Steel.

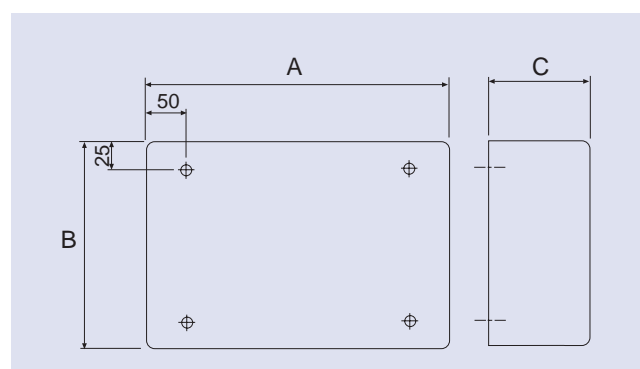
**Finish:** Shroud - Brushed. Back Plate - Painted.

**Limitations:** Standard units should not be exposed to temperatures in excess of 220° C (428° F).

Standard Strength					
Part No	A (mm)	B (mm)	C (mm)	No. of Holes	Weight (kg)
PM2020	200	200	100	4 x M12	26
PM3020	300	200	100	4 x M12	39
PM4020	400	200	100	4 x M12	52
PM5020	500	200	100	4 x M12	65
PM6020	600	200	100	4 x M12	82
PM7020	700	200	100	4 x M12	95
PM8020	800	200	100	4 x M12	107
PM9020	900	200	100	4 x M12	120
PM10020	1000	200	100	4 x M12	133

High Strength					
Part No	A (mm)	B (mm)	C (mm)	No. of Holes	Weight (kg)
PM3040	300	400	200	4 x M16	163
PM4040	400	400	200	4 x M16	214
PM5040	500	400	200	4 x M16	265
PM6040	600	400	200	4 x M16	315
PM7040	700	400	200	4 x M16	370
PM8040	800	400	200	4 x M16	421
PM9040	900	400	200	4 x M16	472
PM10040	1000	400	200	4 x M16	522

Super High Strength					
Part No	A (mm)	B (mm)	C (mm)	No. of Holes	Weight (kg)
PM4080	400	800	300	4 x M20	489
PM5080	500	800	300	4 x M20	607
PM6080	600	800	300	4 x M20	724
PM7080	700	800	300	4 x M20	846
PM8080	800	800	300	4 x M20	964
PM9080	900	800	300	4 x M20	1081
PM10080	1000	800	300	4 x M20	1199



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

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