

High Intensity Rare Earth Grid Magnets



Magnetic Grids are extremely efficient for removing fine iron contamination from dry free flowing products such as sugar, grain, tea, plastic granulate and powdered chemicals.

They are easily placed into hoppers, product intake points and at finished goods outlet points. They are installed in seconds and provide guaranteed instant protection.

Contamination such as rust, stainless steel scrapings and wear from machinery are often too small to be detected by a Metal Detector, but are easily removed by these highly efficient Magnetic grids.

Magnetic Grids are constructed from a number of highly magnetic rods which are held in position at pre-determined centres by a pair of rigid side plates. The rods emit powerful magnetic fields across the gaps between the rods and these reach into the product stream, attracting and securing ferrous contamination as it flows through.

Once attracted, the contamination sticks to the surface of the rod and eventually finds sanctuary on the underside of the rod where it is safe from the wash-off effects of continuous product flow.

Magnetic Grids are manufactured using 316 grade Stainless Steel for all exterior parts, making them compliant with Food Industry Standards.

Main features and benefits:

- The grids are available in three Magnetic strengths up to 11,000 Gauss on the rod surface.

Standard Strength

Designed to remove coarse ferrous contamination.

High Strength

Designed to remove fine ferrous contamination.

Super High Strength

Designed to remove micron sized ferrous and paramagnetic contamination.

- Provides ultimate protection from a wide range of fine product contaminants.
- Totally maintenance free (apart from cleaning), no power supply, no running costs.
- Quick and easy to install. If its in position, you know its definitely working.
- Grid Magnets are available in a vast range of standard sizes (many ex-stock).
- Fully sealed, welded and highly polished food quality 316 grade Stainless Steel.
- Supplied with full test certificates.



Technical Specifications

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.

Magnetic Performance: Standard strength 7,000 Gauss
 High strength 9,000 Gauss
 Super High strength 11,000 Gauss

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

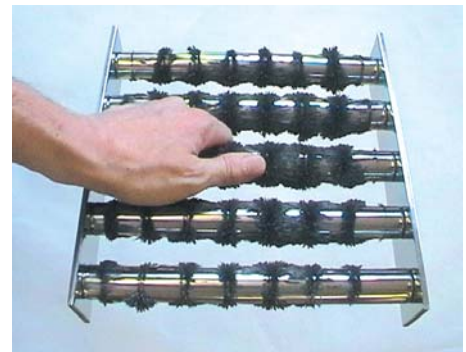
Material Specification: All surface parts are 316 grade Stainless Steel.

Finish: Highly polished.

Limitations: If the product flow is heavily contaminated, then the grid magnet will require cleaning on a regular basis which can be time consuming. Easy-Clean Grid Magnets are available, they can be fully cleaned in a matter of seconds - ask for Data sheet No. 512.

High Intensity Rare Earth Grid Magnets should not be exposed to temperatures in excess of 100 °C (212 °F).

Part No.	A (mm)	B (mm)	C (mm)	No. of rods	Weight (kg)
GM1515	150	150	60	2	2.0
GM2020	200	200	60	3	3.4
GM2525	250	250	55	4	5.2
GM3030	300	300	55	5	7.4
GM3535	350	350	55	6	10.0
GM4040	400	400	55	7	13.0
GM4545	450	450	55	8	16.4
GM5050	500	500	55	9	20.0



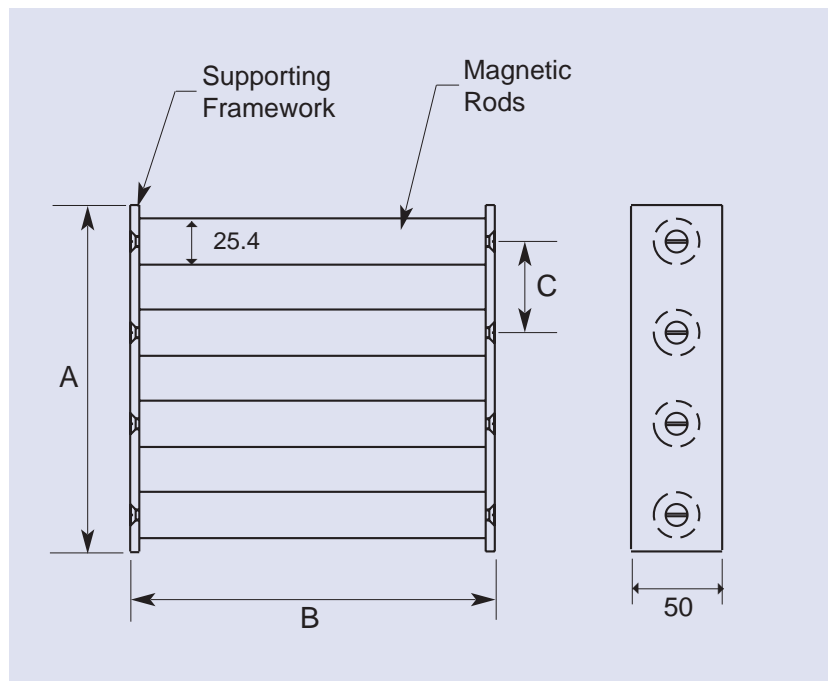
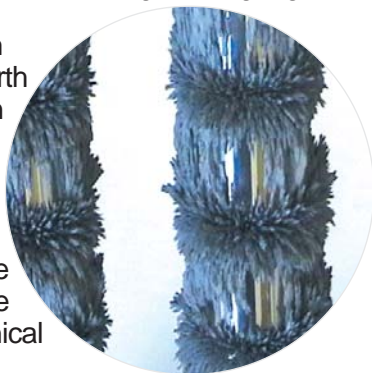
How to Order

When ordering please use the following suffix:

Standard strength = SS
 High strength = HS
 Super High strength = SHS

Example: GM2525/HS = 250mm x 250mm High strength grid

N.B. Special High Intensity Rare Earth Grid Magnets can be manufactured to operate at temperatures of up to 350 °C (662 °F), for more information please contact our Technical department.



If it's Magnetic

....Then it's Eclipse Magnetics

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