

High Intensity Rare Earth Separator Rods



High Intensity Rare Earth Separator Rods are extremely efficient for removing fine iron contamination from free flowing products such as sugar, grain, tea, plastic granulate, powdered chemicals and liquids.

These rods are ideal for engineers wishing to design and construct their own magnetic separators.

Polished 316 Grade Stainless Steel tubes contain Rare Earth Neodymium Iron Boron magnets and pole concentrators to generate extremely high intensity Magnetic Fields.

The rods are completely sealed by utilising an elaborate welding process which provides the additional benefit of high mechanical strength. Once welded the rods are finish machined and highly polished.

The rods can be assembled using stainless steel side plates to form Magnetic Grids or a single rod can be fitted into an existing mechanical filter to form a combination filter.

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 effective rods.

Main features and benefits:

- The rods 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.
- Rod 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
- Guarantee on magnetic performance.



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

We also offer Separator Rod Magnets which can withstand extreme temperatures of up to 350 °C (662 °F). For special applications please contact our Technical Department for advice.



Part No.	L (mm)	Weight (kg)
SR100	100	0.4
SR150	150	0.6
SR200	200	0.8
SR250	250	1.0
SR300	300	1.2
SR350	350	1.4
SR400	400	1.6
SR450	450	1.8
SR500	500	2.0
SR550	550	2.2

Part No.	L (mm)	Weight (kg)
SR600	600	2.4
SR650	650	2.6
SR700	700	2.8
SR750	750	3.0
SR800	800	3.2
SR850	850	3.4
SR900	900	3.6
SR950	950	3.8
SR1000	1000	4.0

For rods with M6 tapped hole at one end- suffix 'T'.
 For rods with M6 tapped holes at both ends - suffix 'TT'
 For rods with M6 stud at one end - suffix 'E'.
 For rods with M6 studs at both ends - suffix 'EE'.
 NB. All studs are 20mm long.

How to Order

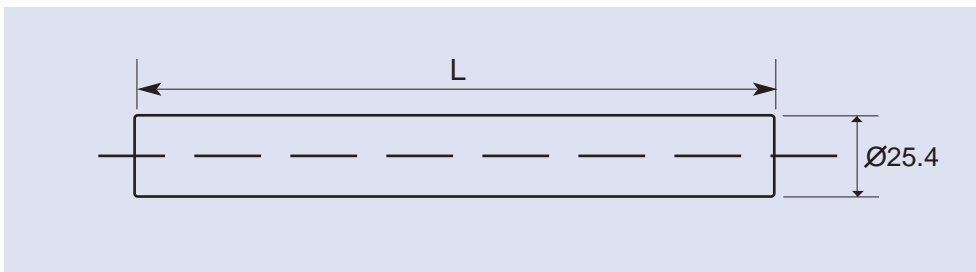
When ordering please use the following suffixes:

Standard Strength = SS
 High Strength = HS
 Super High Strength = SHS

Example:

SR500/SHS/TT

= 500mm long, Super High Strength rod, with M6 tapped holes in each end



All rods are fully sealed and watertight making them ideal for liquid applications.



If it's Magnetic

....Then it's Eclipse Magnetics

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