

# GRATE MAGNET ROUND & SQUARE

High Strength – Rare-Earth / Ferrite



Data sheet: GRS\_TD1  
Updated: 09-04-2007

## Product Information:



Standard model type GS



Standard model type GR

### DESCRIPTION:

Grate magnet frames are manufactured from stainless steel and are very robust. The frames are slotted each end allowing adjustment of the magnetic bar centres for best flow and separation results.

### APPLICATION:

Grate magnets are fitted in hoppers, vertical ducts, intake opening and bag loading or unloading points. The magnets can be used as single Units or stacked in rows to remove fine or weakly magnetic contamination from free flowing granular products. Grate magnets also fit our standard housings, see leaflet GH\_TD1. Stock sizes are on page GRS\_TD1. Non-standard sizes are made to order including rectangles and semi-circles.

### MAGNETIC STRENGTH:

All grate magnets are available as standard in high strength 890 or the latest Rare Earth/Neodymium range of magnetic materials. Rare-earth/Neodymium models are the same size but have the letter 'N' after the model type i.e. GR'N' or GS'N'.

### SELECTION:

To select the correct grate magnet size, double the area of that required for normal throughput. Where large amounts of contamination are expected the above area should be further increased to allow for the iron accumulation. This extra area also reduces the cleaning cycle.

### INSTALLATION:

Cost and time is kept to a minimum with these Units which sit quite happily in round or square hoppers. A stainless steel runner/support can be used if location is necessary on intake and duct applications.

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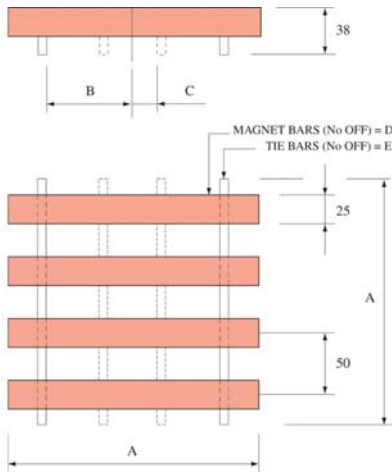
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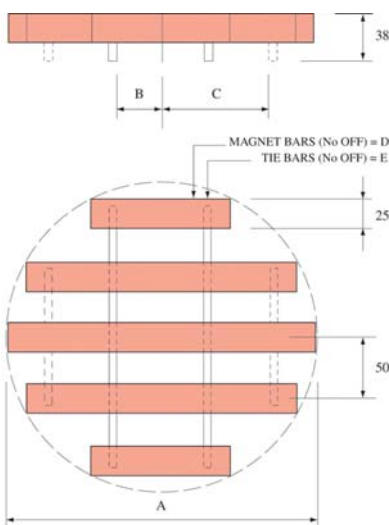
## Technical Data:



### Square Grate Magnet

Model No.	A (mm)	B (mm)	C (mm)	D = qty. bars	E = qty. bars
GS/N 150	147	25	-	3	2
GS/N 200	197	50	-	4	2
GS/N 250	247	75	-	5	2
GS/N 300	297	100	-	6	2
GS/N 350	347	125	-	7	2
GS/N 400	397	150	-	8	2
GS/N 450	447	175	60	9	4
GS/N 500	497	200	65	10	4
GS/N 550	547	225	75	11	4
GS/N 600	597	250	80	12	4

\* "N" is added to specify rear-earth option.



### Round Grate Magnet

Model No.	A (mm)	B (mm)	C (mm)	D = qty. bars	E = qty. bars
GR/N 150	147	17	-	3	2
GR/N 200	197	24	-	4	2
GR/N 250	247	30	-	5	2
GR/N 300	297	35	-	6	2
GR/N 350	347	40	-	7	2
GR/N 400	397	44	-	8	2
GR/N 450	447	49	172	9	4
GR/N 500	497	52	186	10	4
GR/N 550	547	56	199	11	4
GR/N 600	597	59	211	12	4

\* "N" is added to specify rear-earth option.

**Magnetic Material:** Ferrite & Neodymium Rare-earth  
**Material Grade:** 304 or 316 Stainless steel  
**Surface Finish:** Polished finish to specification  
**Applications:** Pharmaceutical, food-lines, WEEE, plastic, wood-chip, glass, aggregates, mineral processing.

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