

# Magnetic Grid

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## Specification

English Version  
For reference only

**General Introduction** Magnetic Grid is installed or simply laid-inside of hoppers, housings, and bins to trap and hold ferrous fines, fragments, and small metal objects. They are built for low-abrasion materials.

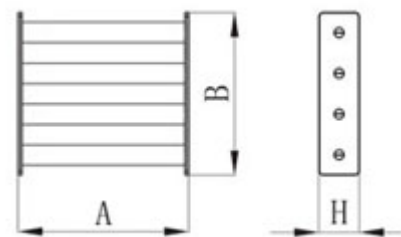


- Features**
- Frame and tube material is 304 or 316L stainless steel, good corrosion resistance and no pollution .
  - Standard magnetic grids are assembled with stainless steel frame and 25mm diameter round bars.
  - The frame and magnetic bar surface can be fine polished and full welded to meet food grade or pharmacy application.
  - Standard working temperature  $\leq 80^{\circ}\text{C}$ , if needed , max . working temperature from  $80^{\circ}\text{C}$  to  $350^{\circ}\text{C}$  is also available.

**Model Instruction** **Normal Model (N Model)**  
1. Square Shape

Max magnetic strength 12000Gs

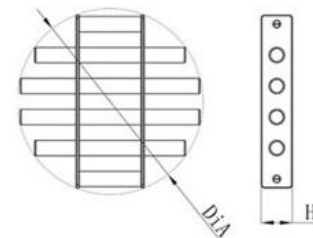
	A	B	H	Bar Nr.	Weight
	mm	mm	mm		kg
MG10/10S	100	100	40	2	1
MG15/15S	150	150	40	3	2.2
MG20/20S	200	200	40	4	3.7
MG25/25S	250	250	40	5	5.5
MG30/30S	300	300	40	6	8
MG35/35S	350	350	40	7	10
MG40/40S	400	400	40	8	13.5
MG45/45S	450	450	40	9	17
MG50/50S	500	500	40	10	20.5



2. Round Shape

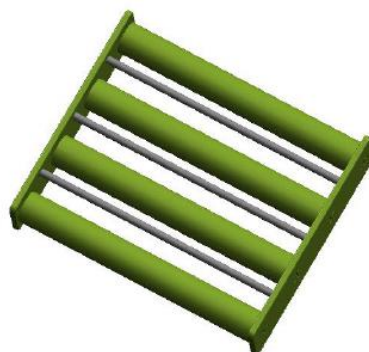
Max magnetic strength 11000Gs for welded series or 12000Gs for screw fix series

	D	H	Bar Nr.	Weight
	mm	mm		kg
MG-R100	100	40	2	0.9
MG-R150	150	40	3	1.5
MG-R200	200	40	4	2.5
MG-R250	250	40	5	3.7
MG-R300	300	40	6	5.5
MG-R350	350	40	7	7.5
MG-R400	400	40	8	10
MG-R450	450	40	9	12.3
MG-R500	500	40	10	15.5

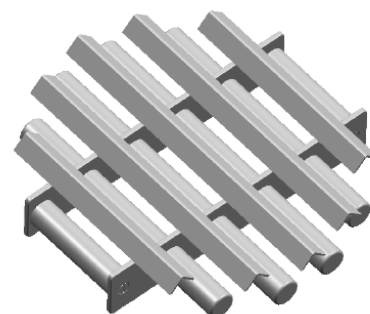


3. Grids with baffles

Baffles can direct material flow across the strong magnetic field to improve efficiency.

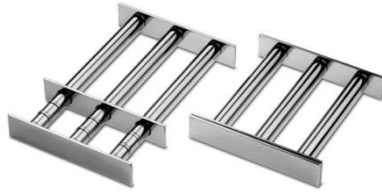


with stainless steel rod baffles



with 90° angular baffles

**Ease-Clean Model (E Model):**



Simply enable the release mechanism, pull the magnetic cores out of the stainless steel tube assembly and the attracted contamination simply falls away.

Replace the magnetic cores back into the tube assembly and the grid is in prime magnetic condition once again.

The max magnetic strength is 8000GS  
Dimension refer to N model

**Specification Table for Single Magnetic Bar**

Following is the relationship between diameter, magnetic force and maximum operation temperature for reference

	0.25T	0.5T	0.7T	0.9T	1T	1.1T	1.2T
Ø10	√EH	√E	-	-	-	-	-
Ø16	√EH	√EH	√EH	√H	√H	-	-
Ø19	√EH	√EH	√EH	√H	√H	-	-
Ø20	√EH	√EH	√EH	√SH	√H	√H	-
Ø22	√EH	√EH	√EH	√EH	√EH	√H	-
Ø23	√EH	√EH	√EH	√EH	√EH	√H	-
Ø25	√EH	√EH	√EH	√EH	√EH	√EH	√H
Ø28	√EH	√EH	√EH	√EH	√EH	√EH	√H
Ø32	√EH	√EH	√EH	√EH	√EH	√EH	√H
Ø38	√EH	√EH	√EH	√EH	√UH	√H	√H
Ø50	√EH	√EH	√EH	√UH	√H	√H	√H
Ø76	√EH	√EH	√EH	√H	√H	√H	√H
Ø100	√EH	√EH	√H	√H	-	-	√H

**Remark:**

“√” : Able to produce on the condition of the diameters listed in the table.

“—” : Not able to produce.

Temperature: H series: 120 °C, SH series: 150 °C, UH series: 180 °C, EH series: 350 °C

The magnetic bars whose diameters are less than 38mm often use SmCo Magnet in EH temperature interval. But if the diameters are more than 38mm will not consider using SmCo Magnet