

Magnetic Bar

Specification

English Version
For reference only

General Introduction Magnetic Bars provide effective means removing ferrous chips and metal particles from loosely packed, free flowing materials. They are the main part of different magnetic grid separators.



- Features**
- Usually made of 304 stainless steel tubes, or 316 stainless steel tubes (applied in which high resistance on correction is required) for special domains filled with Ceramic or Rare Earth Magnet.
 - Shape: Either round or square shape bars are available for customers' design of specific length, diameter and working temperature
 - Diameter & Length: 25mm(1 inch) in diameter and any length per customer`s request up to 2500mm
 - Maximum Working Temperature: 80°C up to 350°C based on different type magnets
 - Various Ends: Nailhead, thread hole, double-screw bolt and customs design
 - Magnetic Force: Specific to every customer`s requirement. The highest magnetic strength is able to achieve 12,000GS (1.2T).

Specification Table

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