

Shape of grating

Magnetic Separator

A grating-type magnet combines magnet bars in a circle grating pattern and a square grid pattern.

Able to remove foreign substances such as iron pieces and iron powder in pellets and crushed materials with the force of magnets. It corresponds to various uses.



SMKM-1 TYPE
[Φ 25 (7 Pieces) / For Φ 235]



SMKK-2 TYPE
[Φ 25 (7 Pieces) / For \square 235]



SMKM-3 TYPE
[Φ 25 (2 Pieces) / For Φ 100]

A wide variety of lineups
according to the size and
shape of the hopper

- SMKM-4 TYPE [Φ 25 (3 Pieces) / For Φ 140]
- SMKM-5 TYPE [Φ 25 (5 Pieces) / For Φ 160]
- SMKM-7 TYPE [Φ 25 (7 Pieces) / For Φ 180]

*Please see the backside for details

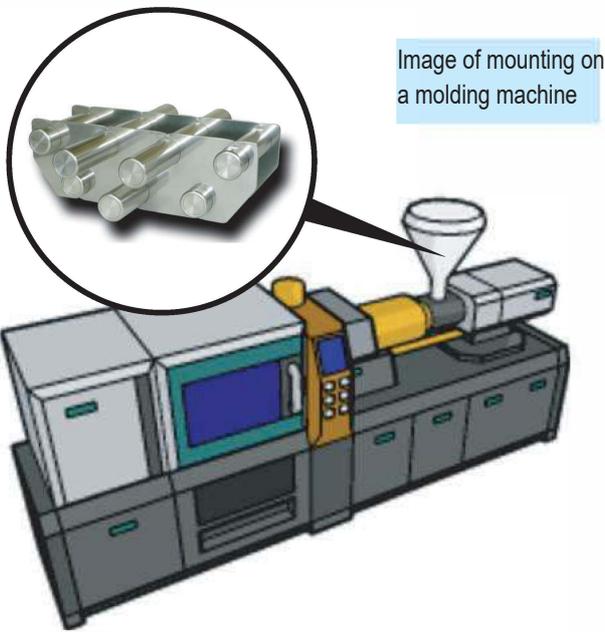


Image of mounting on a molding machine

Peculiarity

The force of magnetic force prevents metal pieces and iron powder from entering and prevents damage and breakdown of the molding machine and extrusion machine in advance. In addition, the magnetism of the magnet bar can be semi-permanent, so that it can be low-cost maintenance.

Applications / Examples of use

Protects the screws and cylinders of molding machines and extrusion machines just by putting them in the hopper. To catch mixed metal pieces such as bolts, nuts and nails, and iron powder at the site and production line.

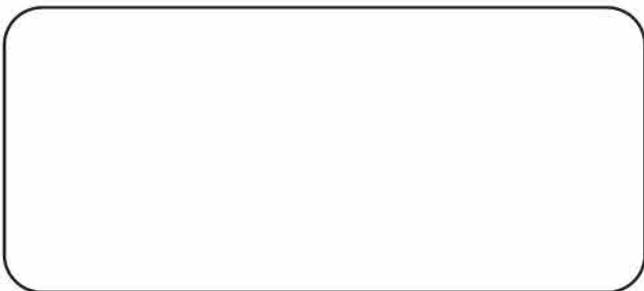
Shape / specifications

There are two types of shapes. For round shape hopper/For square shape hopper. Both interior magnets are protected by a SUS316L exterior tube.

| <p>SMKM-1 TYPE</p> | | <p>SMKK-2 TYPE</p> | | <p>SMKM-3 TYPE</p> | | | | | | | | |
|--------------------|------------------------------------|--------------------|-----|--------------------|--------|-----------|-------------------|----------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------------------------|
| <p>SMKM-4 TYPE</p> | | <p>SMKM-5 TYPE</p> | | <p>SMKM-7 TYPE</p> | | | | | | | | |
| DWG. NUMBER | MODEL | OD (mm) | | | | MAGNET | | | Exterior material | FINISH | Surface maximum Magnetic flux density | Operating environment A temperature of the upper limit |
| | | A | B | C | D | OD | Number of steps | The number | | | | |
| SMKM-1 型 | Circle grating type : Φ 235 | 215 | 220 | 75 | 170 | Φ 25 | 2Steps | 7 Pcs | SUS304 Only for pipe SUS316L | #300 Buffing (Only for pipe) | 300mT (3,000G) | 120°C |
| SMKK-2 型 | Square grating type: \square 235 | 235 | | | | | | | | | 82 | |
| SMKM-3 型 | Circle grating type : Φ 100 | 76 | 95 | 35 | 1Step | | 2 Pcs | 270mT (2,700G) | | | | |
| SMKM-4 型 | Circle grating type : Φ 140 | 138 | 130 | 103 | 3 Pcs | | 300mT (3,000G) | | | | | |
| SMKM-5 型 | Circle grating type : Φ 160 | 154 | 140 | 75 | 5 Pcs | | | | | | | |
| SMKM-7 型 | Circle grating type : Φ 180 | 164 | 170 | 120 | 2Steps | | 7 Pcs | | | | | |

The specifications and appearance of this product are subject to change without notice.

Sizes other than those shown in the table are custom-made products. Please get in touch with us for details.



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