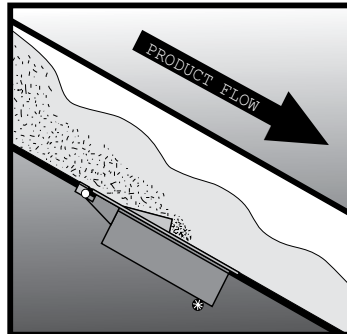
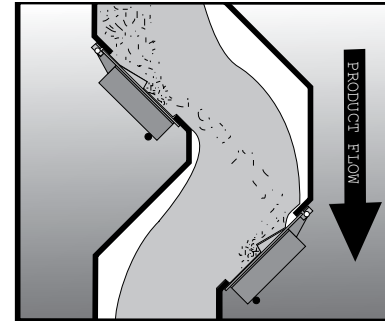




TYPICAL APPLICATIONS

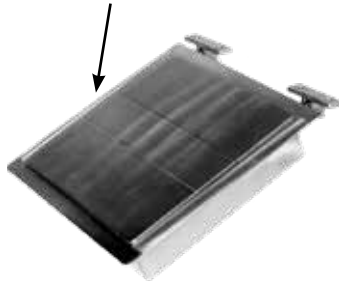


MOUNTED TO BOTTOM OF ANGLED CHUTE



CROSS-MOUNTED IN VERTICAL FLOW GRAVITY CHUTE

1" WIDE UNIFORM SEALING FLANGE TO PREVENT PRODUCT LEAKAGE



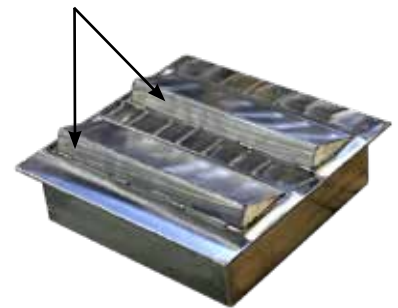
STANDARD SERIES
FOR LOW TO MEDIUM VOLUME
PRODUCT STREAMS

.125"/ 3MM THICK 400 SERIES
STAINLESS STEEL-POLE AREAS



SINGLE-STEP SERIES
FOR USE IN MEDIUM TO HIGH VOLUME
PRODUCT STREAMS

TRAMP METAL RETENTION DIVERTERS



DOUBLE-STEP SERIES
FOR USE IN HIGH VOLUME PRODUCT
STREAMS

Application

MPI's Plate Magnets are designed for use in gravity-fed angled chutes which convey low to high volume product streams. Typical installations are below-the-flow, where product flows over the magnetic face, providing optimum ferrous tramp metal retention in a wide variety of chute applications.

Operation

MPI's Single Step and Double Step Plate Magnets are designed to divert the product stream away from the magnet surface while allowing tramp metal to be magnetically attracted to the magnet's surface behind the collection steps. Magnetic 400 series stainless steel pole areas maximize the holding power of the magnets. These Plate Magnets are easily installed and are supplied complete with sanitary hinges, latches and mounting hardware. The hinged mounting design permits quick, easy cleaning of the magnet surface. The strong magnetic field is effective in product streams up to 8" deep.

**Specifications subject to change*

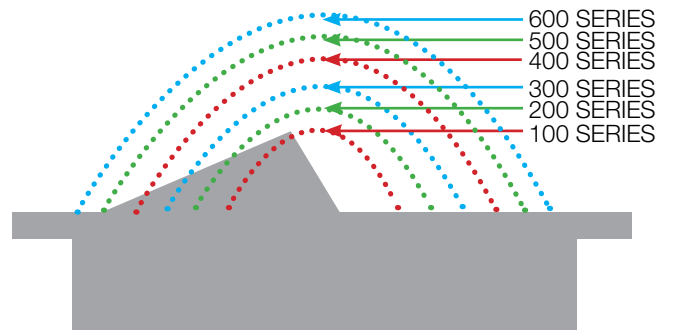
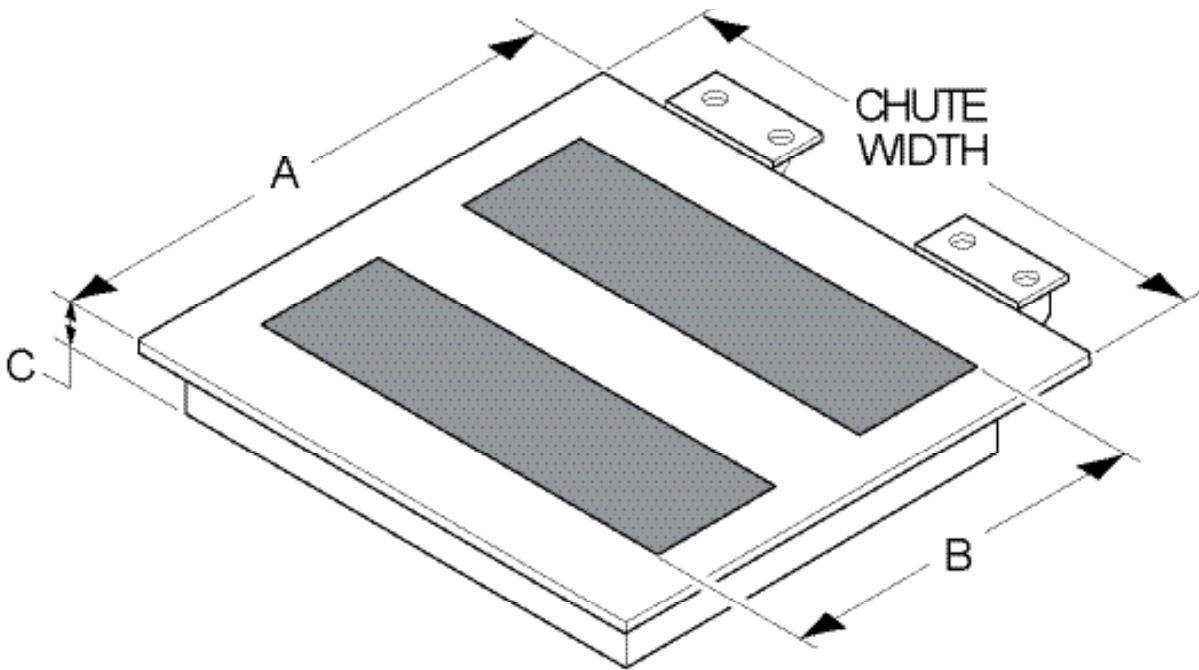


Plate Magnet Selection Guide

| MAGNET SERIES | CHUTE LENGTH "A" | | FACE WIDTH "B" | | THICKNESS "C" | | STEP HEIGHT | | FIELD DEPTH | | APPROX. UNIT WEIGHT | |
|-------------------|------------------|-----|----------------|-----|---------------|-----|-------------|----|-------------|-----|---------------------|----|
| | IN. | MM | IN. | MM | IN. | MM | IN. | MM | IN. | MM | LBS. | KG |
| 100 SERIES | 7.5 | 191 | 5.5 | 140 | 1 | 25 | 0.50 | 13 | 1 | 25 | 14 | 6 |
| 200 SERIES | 8.5 | 216 | 6.5 | 165 | 1.5 | 38 | 0.63 | 16 | 2 | 51 | 20 | 9 |
| 300 SERIES | 10.5 | 267 | 8.5 | 216 | 2.125 | 54 | 0.81 | 21 | 3 | 76 | 40 | 18 |
| 400 SERIES | 12.5 | 316 | 10.5 | 267 | 2.75 | 70 | 1.00 | 25 | 5 | 127 | 60 | 27 |
| 500 SERIES | 15.5 | 394 | 13.5 | 343 | 4.25 | 108 | 1.50 | 38 | 8 | 203 | 95 | 43 |
| 600 SERIES | 18.5 | 470 | 16.5 | 419 | 6.5 | 165 | 1.68 | 42 | 10 | 279 | 165 | 75 |

Standard Features

- 100% Stainless steel enclosed design
- Permanent magnet material - will not demagnetize
- Maximum separation magnetic circuit
- 1" wide uniform sealing flange to prevent product leakage
- Waterproof, weather-resistant enclosure
- Rugged all-welded construction

Options

- Powerful Rare Earth magnet material
- Quick-clean and self-clean designs available
- Replaceable abrasive resistant face plates
- USDA finish

**Specifications subject to change*

Series Plate Magnet Version 2.0 © MPI

MPI

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