



MAGNETIC PRODUCTS, INC.

ENGINEERED METAL CONTROL SOLUTIONS

Plate Magnets Rare Earth

Series: NP, NP-SS, NP-DS



1" WIDE UNIFORM SEALING
FLANGE TO PREVENT
PRODUCT LEAKAGE



STANDARD SERIES

FOR LOW TO MEDIUM VOLUMES OF
PRODUCT STREAMS

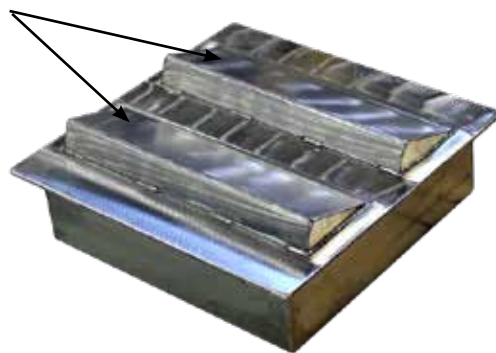
.125"/ 3MM THICK 400
SERIES STAINLESS
STEEL POLE AREAS



SINGLE-STEP SERIES

FOR USE IN MEDIUM TO HIGH VOLUME OF
PRODUCT STREAMS

TRAMP METAL RETENTION DIVERTERS



DOUBLE-STEP SERIES

FOR USE IN HIGH VOLUMES OF
PRODUCT STREAMS

Application

MPI's Neo Plate Magnets are designed for use in gravity-fed angled and vertical chutes. The single, double or triple step face designs along with the increased power of the Neodymium-Iron-Boron magnet material minimize product stream wash-off in below-the-flow installations.

Operation

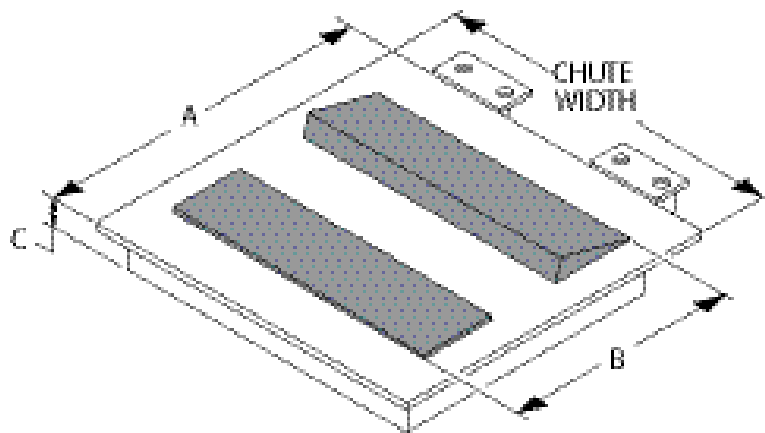
The magnetic face consists of two 430 series stainless steel poles, that are spaced either to effectively increase holding values on a Holding Plate Magnet or to achieve maximum reachout values for the Reachout Plate Magnet. MPI's Neo Plate Magnets are easily installed and the hinged mounting design allows quick and easy cleaning of the magnetic surface. The strong magnetic field is effective in product streams up to 6".

**Specifications subject to change*

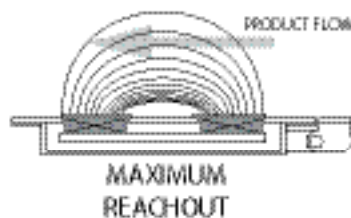
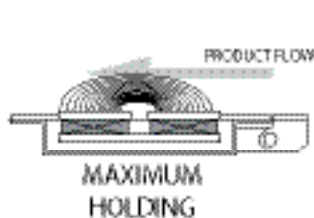
Series Plate Magnets-Rare Earth Version 3.0 © MPI

MPI

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MAGNETIC POLARITY FOR:



NP, NP-SS, NP-DS Selection Guide

| MAGNET SERIES | NP MODEL | SINGLE STEP MODEL | DOUBLE STEP MODEL | TRIPLE STEP MODEL | OVERALL LENGTH "A" | | MAGNETIC FACE LENGTH "B" | | THICKNESS "C" | | EFFECTIVE MAGNETIC FIELD DEPTH | | APPROX. UNIT WEIGHT (ft. width.) | |
|------------------------|----------|-------------------|-------------------|-------------------|--------------------|-------|--------------------------|-------|---------------|-------|--------------------------------|-------|----------------------------------|------|
| | | | | | IN. | MM | IN. | MM | IN. | MM | IN. | MM | LBS. | KG |
| 100-HOLDING | NP-H110 | NP-H110-SS | NP-H110-DS | | 8.0 | 203.2 | 6.0 | 152.4 | 1.25 | 31.75 | 2.0 | 50.8 | 14 | 6.3 |
| 100-REACHOUT | NP-R110 | NP-R110-SS | NP-R110-DS | | 10.0 | 254.0 | 8.0 | 203.2 | 1.25 | 31.75 | 4.0 | 101.6 | 14 | 6.3 |
| 200-HOLDING | NP-H210 | NP-H210-SS | NP-H210-DS | | 8.0 | 203.2 | 6.0 | 152.4 | 2.25 | 57.15 | 3.0 | 76.2 | 30 | 13.6 |
| 200-REACHOUT | NP-R210 | NP-R210-SS | NP-R210-DS | | 10.0 | 254.0 | 8.0 | 203.2 | 2.25 | 57.15 | 5.0 | 127.0 | 30 | 13.6 |
| 300-HOLDING | NP-H310 | NP-H310-SS | NP-H310-DS | NP-H310-TS | 10.0 | 254.0 | 8.0 | 203.2 | 1.25 | 31.75 | 2.0 | 50.8 | 55 | 24.9 |
| 300-REACHOUT | NP-R310 | NP-R310-SS | NP-R310-DS | NP-R310-TS | 14.0 | 355.6 | 12.0 | 304.8 | 1.25 | 31.75 | 4.0 | 101.6 | 55 | 24.9 |
| 300-COMBINATION | NP-C310 | NP-C310-SS | NP-H410-DS | NP-C310-TS | 12.5 | 304.8 | 10.5 | 254.0 | 1.25 | 31.75 | 4.0 | 101.6 | 55 | 24.9 |
| 400-HOLDING | NP-H410 | NP-H410-SS | NP-H410-DS | NP-H410-TS | 10.0 | 254.0 | 8.0 | 203.2 | 2.25 | 57.15 | 3.0 | 76.2 | 90 | 40.8 |
| 400-REACHOUT | NP-R410 | NP-R410-SS | NP-R410-DS | NP-R410-TS | 14.0 | 355.6 | 12.0 | 304.8 | 2.25 | 57.15 | 5.0 | 127.0 | 90 | 40.8 |
| 400-COMBINATION | NP-C410 | NP-C410-SS | NP-C410-DS | NP-C410-TS | 12.5 | 304.8 | 10.5 | 254.0 | 2.25 | 57.15 | 5.0 | 127.0 | 90 | 40.8 |

Standard Features

- Stainless steel heavy-duty hinges and latches
- Mounting hardware for easy installation, magnet maintenance and cleaning
- Powerful Rare Earth Neodymium-Iron-Boron permanent magnet material
- Operating temperatures up to 250° F
- Rugged 100% stainless steel welded construction
- 1" uniform sealing flange to prevent product leakage

Options

- Samarium Cobalt magnetic material for high operating temperatures
- Waterproof, weather-resistant enclosure
- Replaceable abrasive resistant face plates
- Custom sizes
- USDA finish

**Specifications subject to change*

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