



Plate Magnets-Rare Earth

Series: NP, NP-SS, NP-DS

INTRODUCTION:

MPI's RARE EARTH PLATE MAGNETS remove both large and small pieces of tramp iron from product processing flows.

The powerful permanent rare earth magnet material provides the means for a more effective separation performance—offering a broader range of applications—that include product flows with deeper burden depths.

MPI's complete line of Rare Earth Plate Magnets include standard models from 100 to 400 series magnet and in three-stepped face designs. They can be configured with either a maximum holding value, or reachout, or a combination of both maximum holding and reachout values.

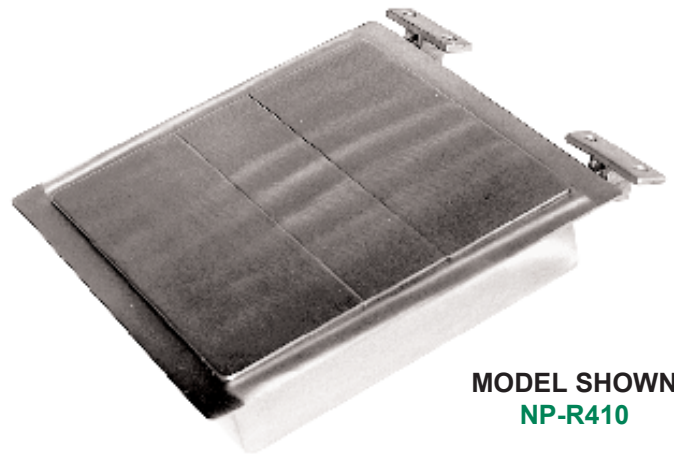
MPI's Rare Earth Plate Magnets provide increased magnetic strength for effective tramp metal separation on product flows and with the Neodymium-Iron-Boron magnetic material, product "wash-off" is minimal in below-the-flow installations.

STANDARD FEATURES:

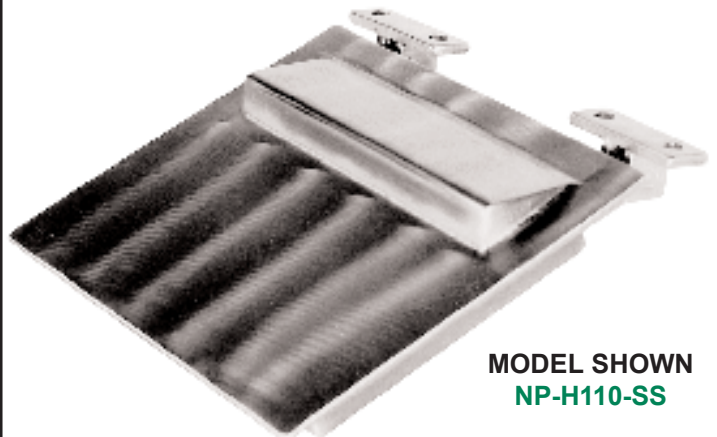
- Stainless steel heavy-duty hinges and latches, with mounting hardware for easy installation and maintenance
- Powerful Rare Earth Neodymium-Iron-Boron permanent magnet material
- Operating temperatures up to 250° F
- 100% Stainless Steel Construction
- 1" wide uniform sealing flange to prevent product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

OPTIONAL FEATURES:

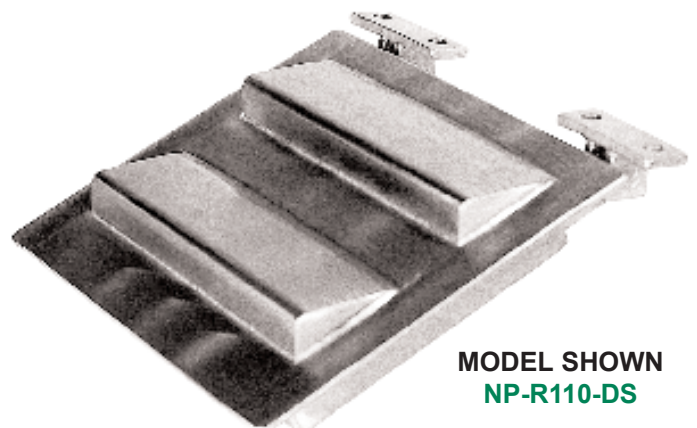
- Samarium Cobalt magnetic material for high operating temperatures
- Waterproof, weather-resistant enclosure
- Replaceable abrasive resistant face plates
- Non-standard sizes



MODEL SHOWN
NP-R410



MODEL SHOWN
NP-H110-SS



MODEL SHOWN
NP-R110-DS

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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 of tramp metal 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".

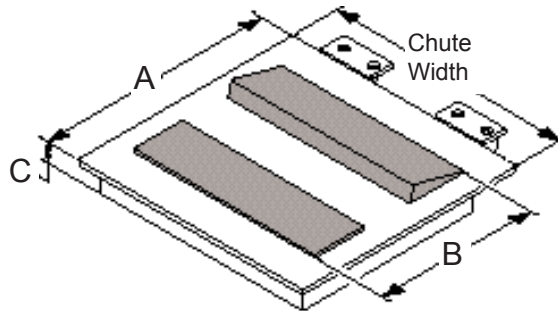
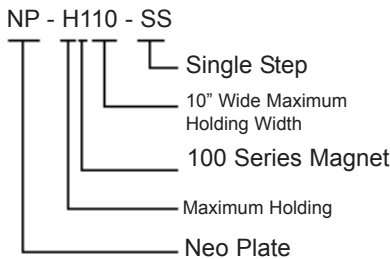
SELECTION: MPI's Neo Plate Magnets are available in four magnetic strengths, in standard, single, double, or triple step face to fit most chute applications and in widths from 4" to 72". Custom designs and mountings are available upon request.

With over 100 years of collective experience in the industry, MPI can provide free engineering service and recommendations to fit your application. For more information, please contact your nearest MPI sales representative or contact our factory.

MAGNETIC POLARITY FOR:



Model Coding Example:



NP-SERIES 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	1.75	44.45	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	1.75	44.45	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	10.0	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	1.75	44.45	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	1.75	44.45	5.0	127.0	90	40.8
400-COMBINATION	NP-C410	NP-C410-SS	NP-C410-DS	NP-C410-TS	12.5	304.8	10.0	254.0	1.75	44.45	5.0	127.0	90	40.8

Note: Specifications subject to change. Custom sizes available upon request.

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