

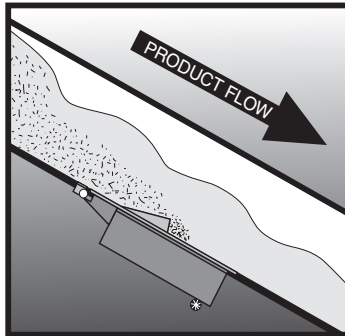


# Plate Magnets

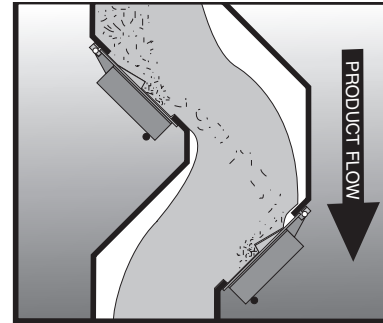
Series: PM, PMS, PM-SS, PM-DS



## TYPICAL APPLICATIONS



MOUNTED TO BOTTOM OF ANGLED CHUTE



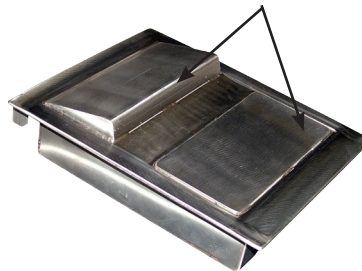
CROSS-MOUNTED IN VERTICAL FLOW GRAVITY CHUTE

1" WIDE UNIFORM SEALING FLANGE TO PREVENT PRODUCT LEAKAGE



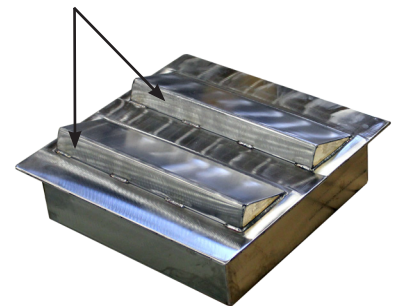
**STANDARD SERIES**  
FOR LOW TO MEDIUM VOLUME  
PRODUCT STREAMS

.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.

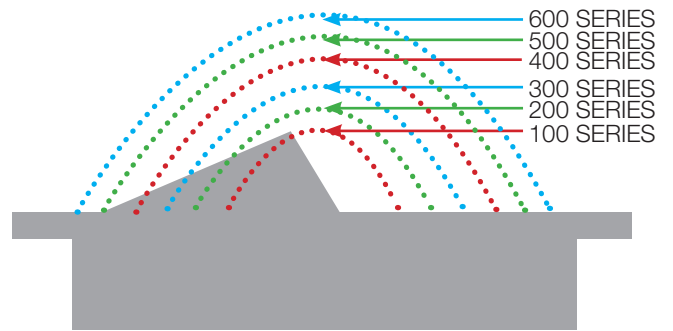
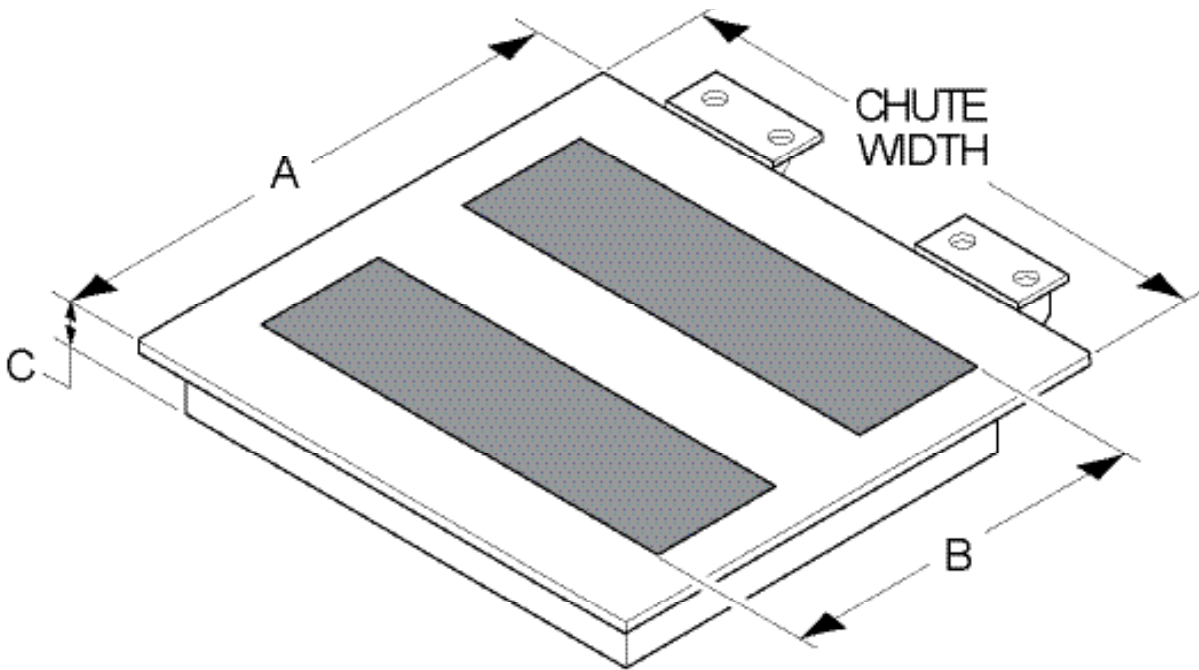
### Operation

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

Series Plate Magnet Version 2.0 © MPI





## 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
<b>100 SERIES</b>	7.5	191	5.5	140	1	25	0.50	13	1	25	14	6
<b>200 SERIES</b>	8.5	216	6.5	165	1.5	38	0.63	16	2	51	20	9
<b>300 SERIES</b>	10.5	267	8.5	216	2.125	54	0.81	21	3	76	40	18
<b>400 SERIES</b>	12.5	316	10.5	267	2.75	70	1.00	25	5	127	60	27
<b>500 SERIES</b>	15.5	394	13.5	343	4.25	108	1.50	38	8	203	95	43
<b>600 SERIES</b>	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*

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**MPI**

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