



# Plate Magnets

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

## 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.

## Standard Features:

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

## Optional Features:

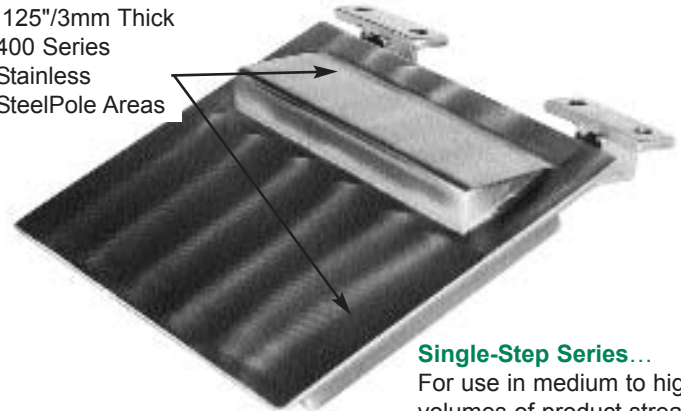
- Custom designs and mountings
- Powerful Rare Earth magnet material
- Replaceable abrasive resistant face plates
- Quick-Clean designs available

1" Wide Uniform Sealing Flange to prevent product leakage.



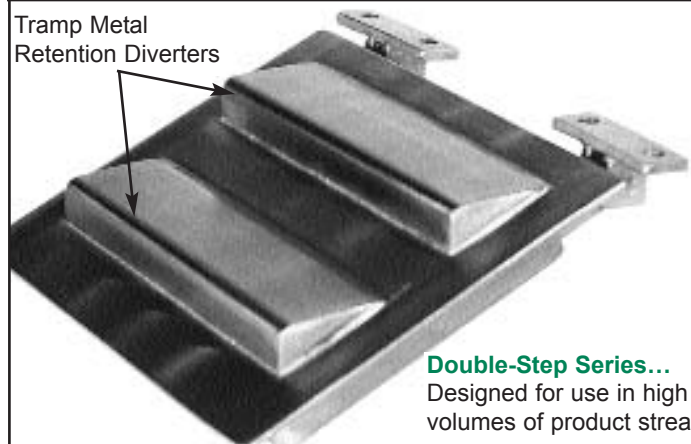
**Standard-Series...**  
Ideal in low to medium volumes of product streams.

.125"/3mm Thick 400 Series Stainless Steel Pole Areas



**Single-Step Series...**  
For use in medium to high volumes of product streams.

Tramp Metal Retention Diverters



**Double-Step Series...**  
Designed for use in high volumes of product streams.

Got a question about Metal Control or Material Handling Products...

Ask the  
**Magnet Man**



[www.magnetmanusa.com](http://www.magnetmanusa.com)

## Magnetic Products, Inc.

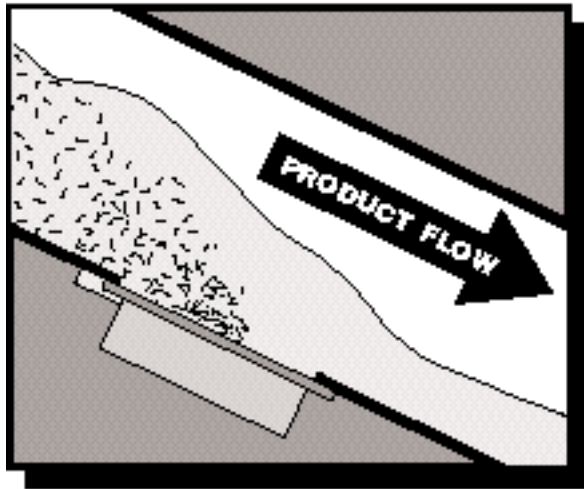
Providing Magnetic Solutions for the  
Material Handling Industry

800-544-5930

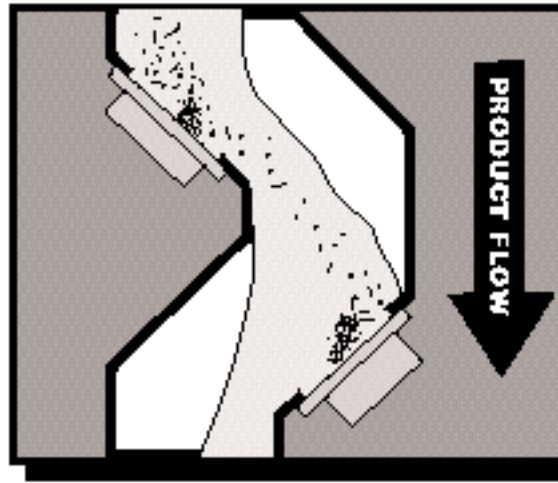


# Providing Magnetic Solutions For the Material Handling Industry

## TYPICAL APPLICATIONS



**MOUNTED TO  
BOTTOM OF ANGLED CHUTE**



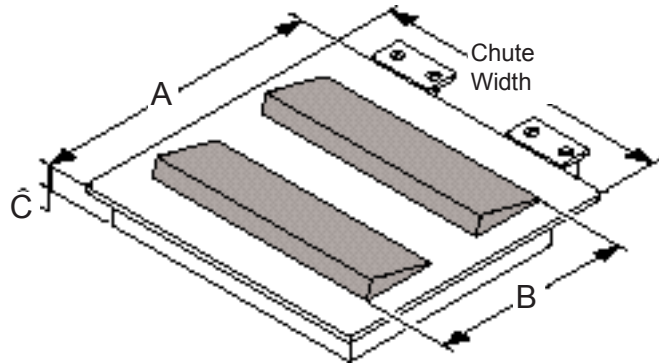
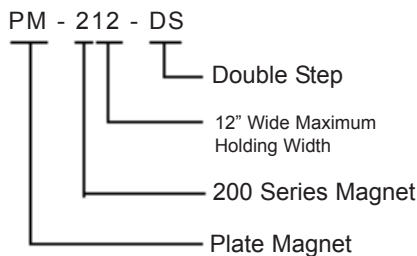
**CROSS-MOUNTED IN VERTICAL  
FLOW GRAVITY CHUTE**

### SELECTION:

MPI's Plate Magnets are available in six standard magnetic strengths to fit most chute applications in widths from 4" through 72". Custom designs and mountings are also available for special requirements.

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 call your local sales representative or call our factory.

### Model Coding Example:



## PLATE MAGNET SERIES SELECTION GUIDE

MAGNET SERIES	OVERALL LENGTH "A"		MAGNETIC FACE LENGTH "B"		THICKNESS "C"		STEP HEIGHT "D"		EFFECTIVE MAGNETIC FIELD DEPTH		APPROX. UNIT WEIGHT FT. WIDTH	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	LBS.	KG
100 SERIES	7.5	191	5.5	140	1.000	25	.50	13	1	25	14	6
200 SERIES	8.5	216	6.5	165	1.500	38	.63	16	2	51	20	9
300 SERIES	10.5	267	8.5	216	2.125	54	.81	21	3	76	40	18
400 SERIES	12.5	316	10.5	267	2.750	70	1.00	25	5	127	60	27
500 SERIES	15.5	394	13.5	343	4.250	108	1.50	38	8	203	95	43
600 SERIES	18.5	470	16.5	419	6.750	171	1.68	42	10	279	165	75

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

## Magnetic Products Inc.

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