

Light Duty Plate Magnets

Used for removing tramp iron from free-flowing, non-magnetic materials such as corn, sugar, flour, gravel, plastic and other granular materials.

Plate magnets can be installed in chutes or suspended above conveyor belts and pulleys.

For low volume, lightweight and/or slow-moving applications, we offer a series of light-duty models (listed on this page). These standard ceramic plate magnets are available in single gap design, and are offered in 1" thick (standard) or 1.5" thick (heavy duty) models. Also available with powerful rare earth magnets. Contact us for more details.

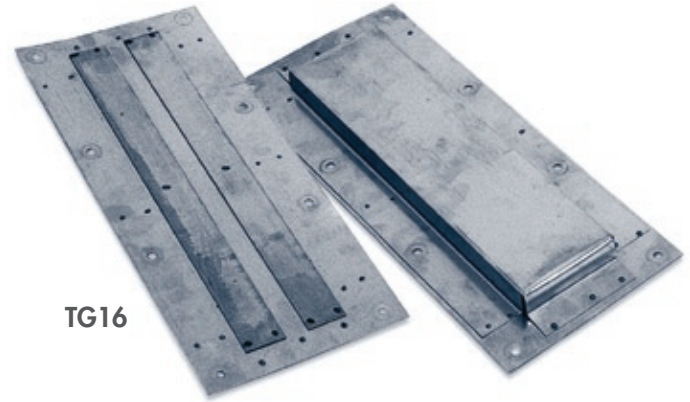
For more length and depth of magnetic pull, try our heavy duty single or double gap plate magnets (see next page). These models are hinged for easy cleaning. Models with latches or food grade quality are available by special request. Call for a quote today.

MASTER MAGNETICS, INC.

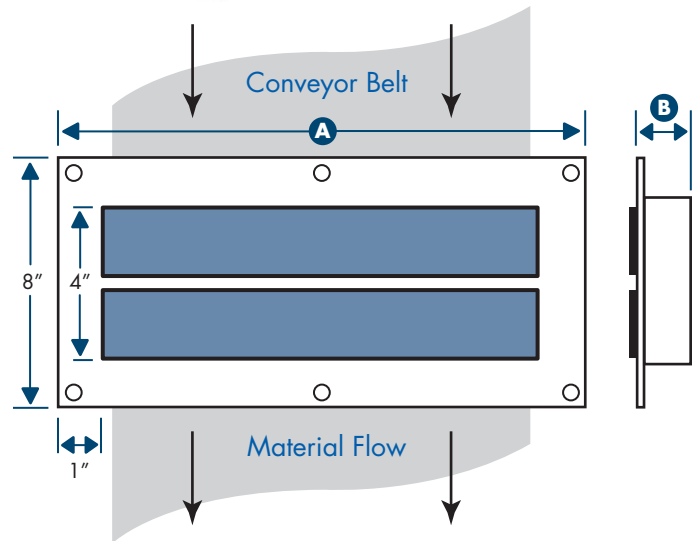


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TG16



Model TG - Light Duty Plate Magnets

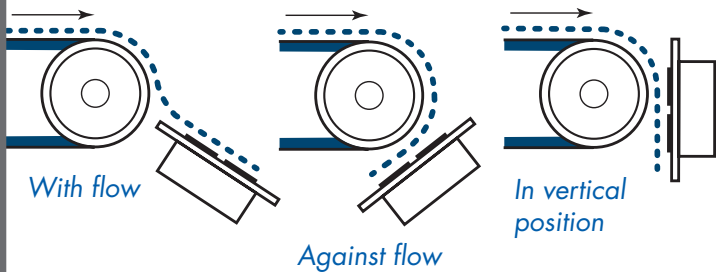
Suspension Distance **Standard: 1.5 inches** **Heavy Duty: 2.5 inches**

Part No.	A (inches)	B (inches)		Weight (lbs.)	
		Standard	Heavy Duty	Standard	Heavy Duty
TG8	8.0	1.0	1.5	5.6	7.5
TG12	12.0	1.0	1.5	8.4	11.25
TG16	16.0	1.0	1.5	11.2	15.0
TG24	24.0	1.0	1.5	16.8	22.5

Key: A = Overall length, B = Thickness. Suspension distance measurements are the maximum recommended. All dimensions approximate.

Typical Arrangements

At discharge of belt conveyor (side view):



Gravity Chutes

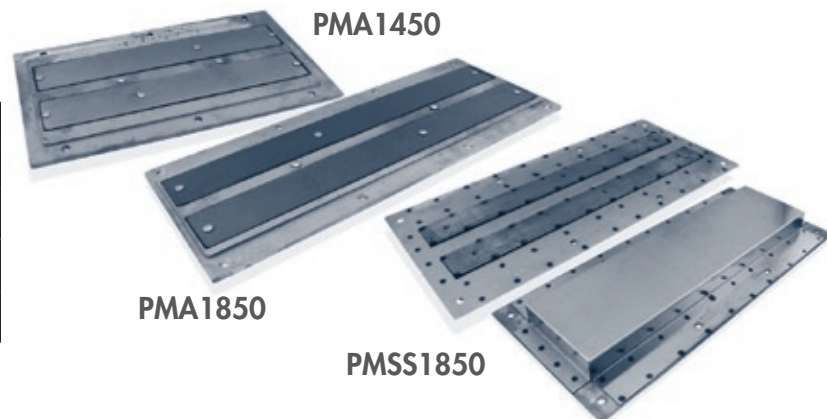
When installing the magnet in a chute, we recommend cutting the hole to 5" wide by 1" less than the overall length of the magnet.

Model PM - Light Duty Plate Magnets

Similar specifications to the TG models.

Part No.	Dimensions (inches)			Weight (lbs.)
	Width	Length	Height	
PMA1450	13.5	6.5	1.25	12.5
PMA1850	18.0	5.625	1.25	15.84
PMSS1850*	16.5	5.0	1.25	15.84

Key: * = Comes with stainless steel housing. All dimensions approximate.

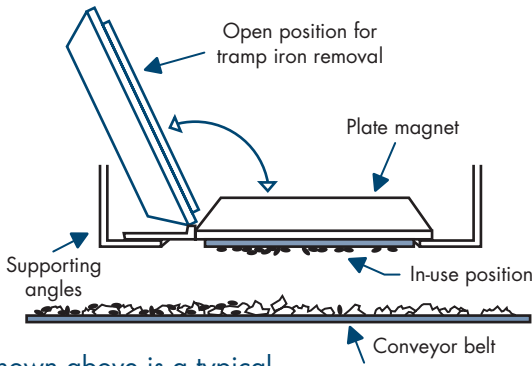


PMA1850

PMSS1850

Heavy Duty Plate Magnets

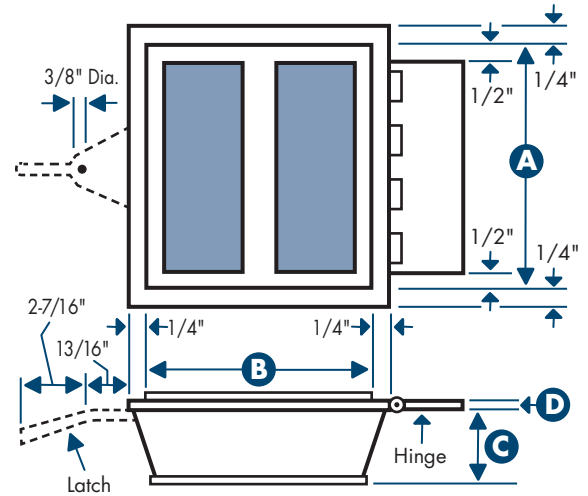
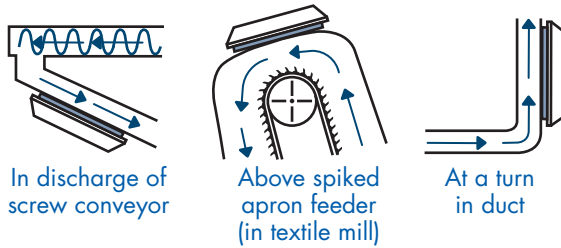
Available with powerful ceramic or rare earth magnets.



Shown above is a typical setup for heavy duty plate magnet. Positive tramp iron removal can be accomplished when plate magnets are suspended over chutes, belts, spiked apron feeders and conveyers. Hinge allows unit to be lifted for easy cleaning.

Single gap model is shown to the right (double gap model dimensions are identical to single gap except for "B" - see chart below). Other sizes are available.

Typical Arrangements



Heavy Duty Model 15

Suspension Distance
1.5 - 2.0 inches

A (inches)	B (inches)		C (inches)	D (inches)	Weight (lbs.)	
	Single	Double			Single	Double
6.0	6.0	11.0	1.31	0.125	8.75	15.75
8.0	6.0	11.0	1.31	0.125	11.5	21.5
10.0	6.0	11.0	1.31	0.125	14.5	27.0
12.0	6.0	11.0	1.31	0.125	17.5	32.5
14.0	6.0	11.0	1.31	0.125	20.5	38.0
16.0	6.0	11.0	1.31	0.125	23.25	43.5
18.0	6.0	11.0	1.31	0.125	26.25	49.25
20.0	6.0	11.0	1.31	0.125	29.25	54.5
24.0	6.0	11.0	1.31	0.125	35.25	65.75
30.0	6.0	11.0	1.31	0.125	44.0	82.5
36.0	6.0	11.0	1.31	0.125	52.75	99.0
42.0	6.0	11.0	1.31	0.125	61.5	115.5
48.0	6.0	11.0	1.31	0.125	70.25	132.0

Heavy Duty Model 25

Suspension Distance
2.5 - 3.0 inches

A (inches)	B (inches)		C (inches)	D (inches)	Weight (lbs.)	
	Single	Double			Single	Double
6.0	8.0	15.0	1.43	0.125	13.0	25.0
8.0	8.0	15.0	1.43	0.125	17.75	34.0
10.0	8.0	15.0	1.43	0.125	22.25	43.0
12.0	8.0	15.0	1.43	0.125	27.0	51.75
14.0	8.0	15.0	1.43	0.125	31.5	60.75
16.0	8.0	15.0	1.43	0.125	36.25	69.75
18.0	8.0	15.0	1.43	0.125	41.00	78.75
20.0	8.0	15.0	1.43	0.125	45.5	87.5
24.0	8.0	15.0	1.43	0.125	55.0	105.5
30.0	8.0	15.0	1.43	0.125	69.0	132.5
36.0	8.0	15.0	1.43	0.125	82.75	159.75
42.0	8.0	15.0	1.43	0.125	96.75	186.0
48.0	8.0	15.0	1.43	0.125	110.5	213.0

Heavy Duty Model 35

Suspension Distance
3.5 - 4.0 inches

A (inches)	B (inches)		C (inches)	D (inches)	Weight (lbs.)	
	Single	Double			Single	Double
6.0	8.0	15.0	2.25	0.125	18.75	36.0
8.0	8.0	15.0	2.25	0.125	25.5	49.0
10.0	8.0	15.0	2.25	0.125	32.25	62.25
12.0	8.0	15.0	2.25	0.125	39.0	75.5
14.0	8.0	15.0	2.25	0.125	46.0	88.5
16.0	8.0	15.0	2.25	0.125	52.5	101.75
18.0	8.0	15.0	2.25	0.125	59.5	115.0
20.0	8.0	15.0	2.25	0.125	66.25	128.0
24.0	8.0	15.0	2.25	0.125	79.75	154.25
30.0	8.0	15.0	2.25	0.125	100.0	193.5
36.0	8.0	15.0	2.25	0.125	121.0	233.0
42.0	8.0	15.0	2.25	0.125	141.5	272.0
48.0	8.0	15.0	2.25	0.125	161.5	318.5

Heavy Duty Model 45

Suspension Distance
4.5 - 5.0 inches

A (inches)	B (inches)		C (inches)	D (inches)	Weight (lbs.)	
	Single	Double			Single	Double
6.0	10.5	20.0	3.812	0.187	40.0	76.0
8.0	10.5	20.0	3.812	0.187	54.0	103.0
10.0	10.5	20.0	3.812	0.187	68.0	130.0
12.0	10.5	20.0	3.812	0.187	82.0	158.0
14.0	10.5	20.0	3.812	0.187	96.0	185.0
16.0	10.5	20.0	3.812	0.187	111.0	210.0
18.0	10.5	20.0	3.812	0.187	125.0	239.0
20.0	10.5	20.0	3.812	0.187	139.0	266.0
24.0	10.5	20.0	3.812	0.187	167.0	322.0
30.0	10.5	20.0	3.812	0.187	210.0	403.0
36.0	10.5	20.0	3.812	0.187	252.0	485.0
42.0	10.5	20.0	3.812	0.187	295.0	570.0
48.0	10.5	20.0	3.812	0.187	338.0	651.0

Key: A = Width of live area, B = length of live area, C = Thickness of magnet assembly, D = Pole face clearance. All dimensions approximate.

Call us today for a price quote or to order! **1.888.293.9399**

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