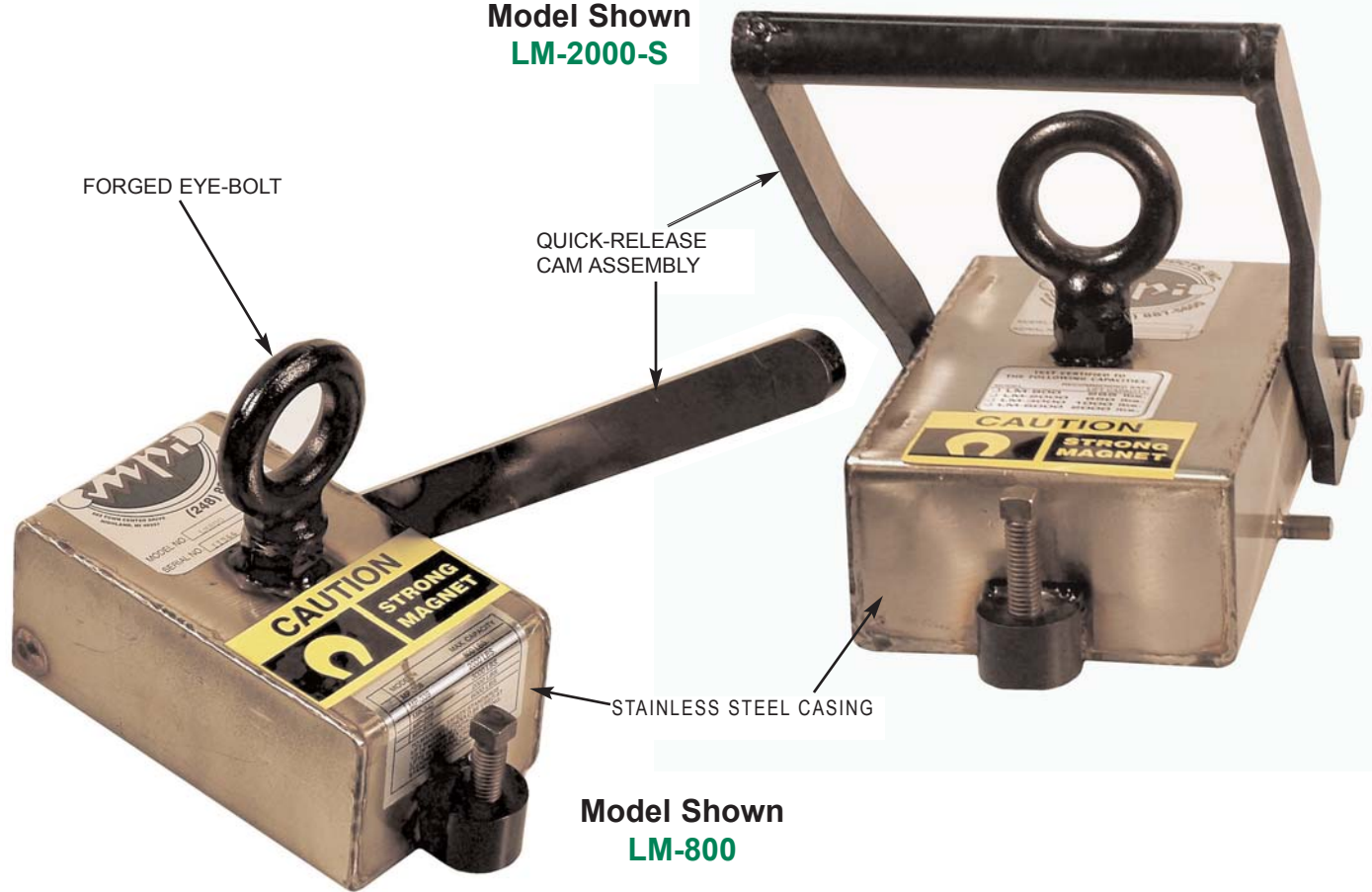




Lift Magnet

Series: LM

Model Shown
LM-2000-S



Model Shown
LM-800

Application: MPI's heavy-duty, compact LIFT MAGNETS (LM Series) provide a quick and efficient means to lift ferrous materials, such as steel plates, forgings and die castings. Common industrial uses include: machine shops, industrial processing plants and warehouse facilities. MPI's permanent magnets require no electricity, eliminating hazards caused by an interruption in power service.

Operation: Permanent Ceramic magnet material is mounted into a stainless steel casing. It's multiple pole design, directs the magnetic flux to the magnetic face where extreme holding capacities are obtained.

The lifted material can then be quickly released from the permanent magnetic face by depressing the cam assembly located at one end of the lift magnet.

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

Ask the
**Magnet
Man**



www.magnetmanusa.com

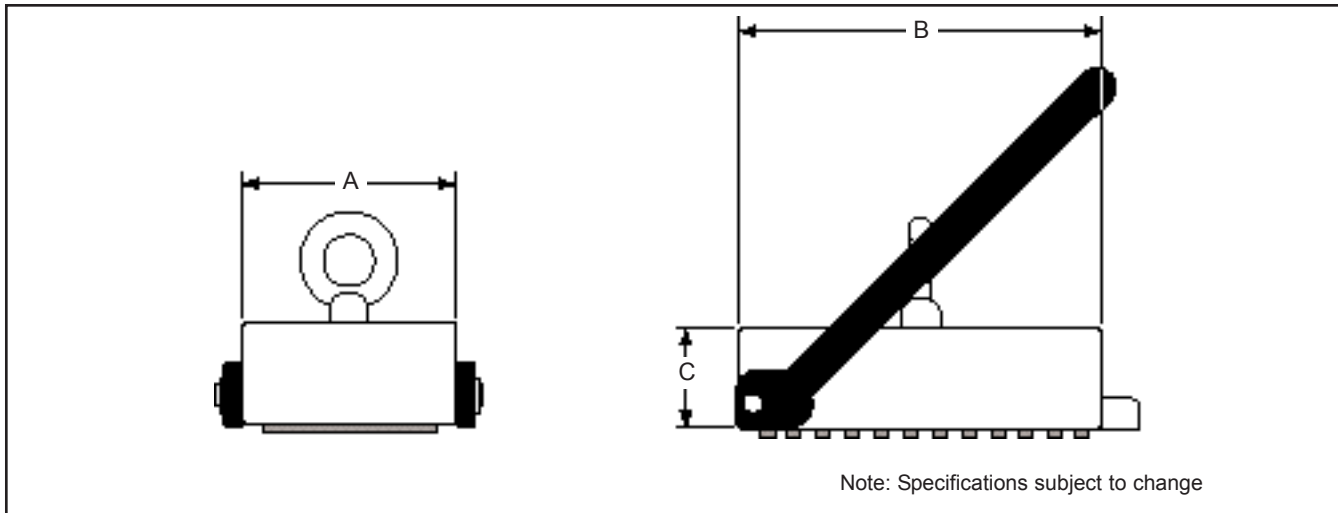
Magnetic Products, Inc.

Providing Magnetic Solutions for the
Material Handling Industry

800-544-5930



Providing Magnetic Solutions For the Material Handling Industry



Note: Specifications subject to change

LM - Series Selection Guide

Model	Width "A"		Length "B"		Height "C"		Approx. Unit's Weight		Max. Safe Load Capacity (3:1 Safety Factor Built-In)		Max. Breakaway Load Capacity	
	IN.	MM.	IN.	MM.	IN.	MM.	LBS.	KG.	LBS.	KG.	LBS.	KG.
LM-0800	4.25	107	6.5	165	3	76	24	10.8	267	121	800	364
LM-2000	5.75	146	8.5	216	3	76	39	17.7	667	303	2000	909
LM-3000	6.5	165	10.5	267	3	76	56	25.4	1000	454	3000	1364
LM-2000S	4.5	114	16	406	3	76	48	21.7	667	303	2000	909
LM-6000	10	254	16.5	419	3.75	95	140	63.5	2000	908	6000	2727

Important

*To maintain safety standards, lift magnets should be used at 1/3 of their breakaway capacity. Lift capabilities are reduced with sheet or plate material "SAG". (Refer to material SAG chart for specifications.)

CAUTION: You should never stand under a lifted load!

Certification Statement: All MPI LM-Series LIFT MAGNETS are load tested at 3-times their safe load weight.

Standard Features:

- Permanent Ceramic 8 magnetic material
- 300 series stainless steel casing
- Forged eye-bolt
- Five models available from 800 to 6000 lbs. maximum lift capacities*
- Quick releasing and attaching cam assembly

* To maintain Safety Standards, lift magnets should be used at 1/3 of their maximum lift capacity rating.

Lift capacity is reduced on Sheet or Plate material with SAG, caused by the material's overhang from the position of the Lift Magnet.
(Refer to Material SAG Chart for un-supported overhang lift limit specifications).

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MATERIAL SAG CHART

For LM -Series Lift Magnet

Sheet or Plate Material SAG,
resulting from using Lift Magnets

MATERIAL THICKNESS	UNSUPPORTED MATERIAL OVERHANG							
	12"	18"	24"	30"	36"	48"	60"	72'
	TOTAL SAG OF MATERIAL IN INCHES (RESULT OF MATERIAL'S OWN WEIGHT)							
22 GA. (.0299")	.3438	1.6875	5.3125	13.1563	FAILURE			
18 GA. (.0478")	.1250	.6875	2.0938	5.1563	10.625	FAILURE		
16 GA. (.0598")	.0938	.4375	1.3438	2.2813	6.75	21.5625	FAILURE	
14 GA. (.0747")	.0625	.2813	.8750	2.125	4.375	13.8125	FAILURE	
11 GA. (.1200")	—	.0938	.3438	.8125	1.6875	5.3438	13.0313	FAILURE
.1875"	—	.0625	.125	.3125	.6875	2.0938	5.125	10.625
.2500"	—	.0313	.0938	.1875	.375	1.2188	2.9375	6.0938
.3125"	—	—	.0625	.125	.25	.7813	1.875	3.9063
.3750"	—	—	—	.0938	.1563	.5313	1.9375	2.7188
.5000"	—	—	—	.0625	.0938	.3125	.75	1.5313
.7500"	—	—	—	—	.0625	.125	.3125	.6875

NOTE: The above chart is intended for use as a guideline only. This information should always be used in conjunction with other material factors, such as: surface condition of material, straightness/flatness of material, lift and speed of crane or other force, and possible jarring of the load during movement.

End of edge overhang which allows the material to sag beyond 4" creates a poor lift because the sag increases rapidly thereafter. A plate thickness of .50" or more is more likely to peel from overhangs up to 72" if the load is balanced on the magnets. The amount of sag from various unsupported lengths is constant. The width of the sheet will not be a factor. For example, a 12" wide sheet will sag as much as a 72" wide sheet of a particular thickness over any un-supported length.



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