

Magnetic Material Handling Comparison



HDNLM660



PLM1382



M480C

Material handling magnets are ideal for handling steel plates, forgings, die castings, and similar items in machine shops, warehouses and industrial processing plants. Choosing the right magnet for the application is important to ensure that the best results are achieved.

This comparison chart provides a quick reference to some of the most useful magnetic material handling features. Consult your magnetic products specialist for additional information about material handling magnets and which one is best for your application.

	Part No.	Footprint Size L x W	Flat Max Lift Rate* lbs.	Round Max Lift Rate* lbs.	Built-In Release	Heavy Duty	Non-Electric	Lifts Flat Material	Lifts Round Material	Lifts Vertically	Horizontal Slide	Stainless Steel Housing
*Heavy Duty Lifting Magnets	HDNLM220	3.62" x 2.52"	220	110	●	●	●	●	●	●		
	HDNLM660	6.38" x 3.62"	660	330	●	●	●	●	●	●		
	HDNLM1300	9.17" x 4.80"	1,320	660	●	●	●	●	●	●		
	HDNLM2200	10.55" x 7.05"	2,200	1,100	●	●	●	●	●	●		
	HDNLM4400	14.92" x 9.13"	4,400	2,200	●	●	●	●	●	●		
*Industrial Magnetic Lifts	PLM1382	6.5" x 7.125"	400		●	●	●	●		●		
	PLM1383	9.5" x 7.125"	1,000		●	●	●	●		●		
	PLM1384	13" x 7.125"	1,500		●	●	●	●		●		
	M1000	12.75" x 5.125"	1,000		●	●	●	●		●		
	M1037	13.625" x 6.312"	1,500		●	●	●	●		●		
Magnetic Grippers	BC100C	5" x 3.5"	100		●	●	●	●				
	M688C	5.125" x 3"	280		●	●	●	●**			●	●
	M480C	5.125" x 4.5"	400		●	●	●	●**			●	●
	M479C	6.125" x 5.25"	600		●	●	●	●**			●	●

*NOTE: When lifting sheet sizes over four feet by eight feet, use two or more lifts on a spreader bar to prevent sheet flexing, sagging or peel-off. Material less than .375" thick is susceptible to magnetic bleed through, resulting in two sheets being lifted at once. Magnetic sheet fanners can be used to ensure that only one sheet is lifted at a time.

Never stand under load being lifted. Always use extra caution. Only use magnetic lifts on thick materials that do not flex or bend. The surfaces of the lift and the load need to be clean and free of chips, oil, slag, dirt, etc. Lifts must be centered on the load. Not recommended for painted or finished coated surfaces.

**NOTE: Magnetic grippers are not designed for lifting heavy objects. The pounds pull rating is measured by a vertical pull test from a .5" thick ground steel plate for purposes of magnetic strength relative comparisons only.



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