

Heavy Lifters



Applications: Lifting, Infrastructure, Shipyards

Magswitch Heavy Lifters are built for heavy-duty lifting. Our magnetic technology is powerful without the need for a power source. The dual lift hook offers the stability to lift horizontally and a single hook to lift into a vertical position.

- Lock On and Off handle
- Superior hold force on thin steel (70mm deep field)
- Compact, lightweight and easy actuation
- Lifts large flat sheets, beams and pipe
- Performs well on air gaps such as rust and dirt
- Customizable pole shoes to fit almost any application
- Magnet turns completely On and Off
- Magnet stays clean as you can wipe off debris easily
- Does not require an electrical power source

MLAY600 Series

The Magswitch MLAY 600 series magnets are perfect for small materials and light to medium lifting. These lifters are lightweight, have a small profile and feature our full swivel hook for lifting from the top or the side. Each features a locking handle to ensure release of load is only intentional. With full field saturation, hold force at 0.5 in (12.7mm), these lifters are ideal for thinner steel, but hold thick steel just as well.

MLAY1000 Series

For heavy lifting, the MLAY1000 series lifters achieve full hold on approximately 1in (25.4mm) thick steel. These lifters feature our full swivel hook for lifting from the top or the side. Each lifter is manually activated and features a safety lock in both on and off position. The MLAY1000 series features a replaceable pole shoe, ideal for customizing to fit your application. With full field saturation (hold force) at 1.0in (25.4mm), this lifter is ideal for porous material and thick steel.

***Pole Shoes Available: MLAY600x2, MLAY600x4, MLAY 1000x2,3,4,6.**



FLAT



ROUND

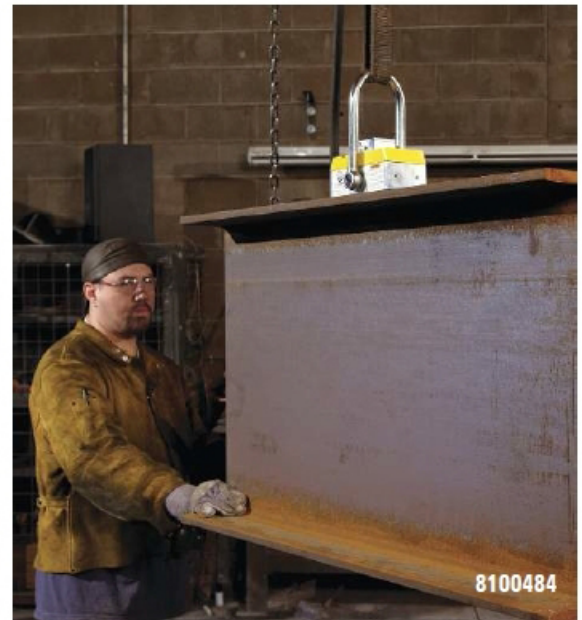
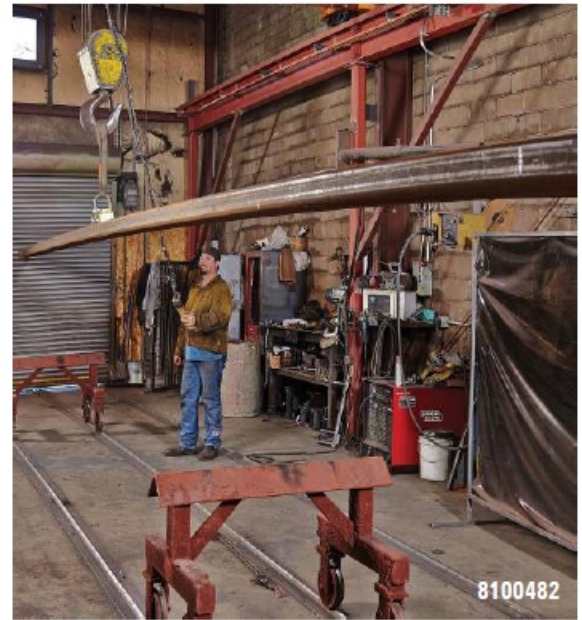


IRREGULAR

*Requires Pole Shoes



	MLAY600	MLAY600x2	MLAY600x4	MLAY1000	MLAY1000x2	MLAY1000x3	MLAY1000x4	MLAY1000x6	MLAY1000x12
Part #	8100089	8100360	8100364	8100088	8100484	8100403	8100418	8100482	8100549
Max Breakaway (3:1 SWL)	195 lbs (89 kg)	341 lbs (155 kg)	750 lbs (340 kg)	333 lbs (151 kg)	668 lbs (303 kg)	913 lbs (414 kg)	1215 lbs (551 kg)	2034 lbs (922 kg)	4025 lbs (1826 kg)
Height	7.2 in (184 mm)	6.7 in (170.9 mm)	6.6 in (166.5 mm)	10 in (253 mm)	10.5 in (267.5 mm)	10.4 in (264.5 mm)	10.3 in (260.7 mm)	10 in (253.3 mm)	11.9 in (302 mm)
Width	2 in (51.5 mm)	6.5 in (165.4 mm)	6.5 in (165.4 mm)	2.8 in (71.5 mm)	7.7 in (195.6 mm)	7.7 in (195.4 mm)	7.7 in (195.4 mm)	7.7 in (195.4 mm)	12 in (306.8 mm)
Length	4.2 in (106 mm)	8.7 in (221 mm)	9.3 in (236 mm)	5.8 in (147 mm)	12.6 in (318.8 mm)	10.7 in (271.3 mm)	13.8 in (350.3 mm)	20.1 in (510.3 mm)	19.5 in (496 mm)
Weight	4.4 lbs (2 kg)	11.5 lbs (5.2 kg)	17.9 lbs (8.1 kg)	11.5 lbs (5.2 kg)	23.8 lbs (10.8 kg)	36.5 lbs (16.6 kg)	45.2 lbs (20.5 kg)	60.3 lbs (27.4 kg)	121.3 lbs (55 kg)



	MLAY600	MLAY600X2	MLAY 600X4	MLAY1000	MLAY1000X2	MLAY1000X3	MLAY1000x4	MLAY1000X6	MLAY1000X12
Part #	8100089	8100360	8100364	8100088	8100484	8100403	8100418	8100482	8100549
Max. SWL 3:1 Lift Capacity*	195 lbs (89 kg)	341 lbs (155 kg)	750 lbs (340 kg)	333 lbs (151 kg)	668 lbs (303 kg)	913 lbs (414 kg)	1215 lbs (551 kg)	2034 lbs (922 kg)	4025 lbs (1826 kg)
Thin Steel Working Load on 1/4" 3:1 Lift Capacity*	170 lbs (77 kg)	248 lbs (112 kg)	517 lbs (234 kg)	205 lbs (92 kg)	425 lbs (205 kg)	446 lbs (202 kg)	494 lbs (224 kg)	783 lbs (355 kg)	1331 lbs (603 kg)
Full Saturation	600 lbs (272 kg)	1100 lbs (498 kg)	2285 lbs (1036 kg)	1000 lbs (453 kg)	2000 lbs (907 kg)	2733 lbs (1239 kg)	3900 lbs (1769 kg)	6446 lbs (2923 kg)	12000 lbs (5443 kg)

*SWL (Safe Working Load) = $\frac{\text{Maximum Force}}{\text{Safety Factor (> 3)}}$

MAGSWITCH TECHNOLOGY
 Stability Lift to Shear
 Replaceable Pole Shoe
 Stronger Hold on Thinner Material

OLD TECHNOLOGY
 Stability Lift to Shear
 Replaceable Pole Shoe



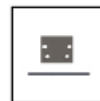
Weight:
58 Lbs



Weight:
85-130 Lbs

783 LBS	N/A	1/4"
1,298 LBS	900 LBS	1/2"
1,872 LBS	1,400 LBS	1"
2,148 LBS	2,000 LBS	2"

All ratings per ASME 3:1 Safe Working Load



FLAT



ROUND



IRREGULAR

Requires Pole Shoes

Pole Shoes available for the following lifters:
 MLAY600x2, MLAY600x4,
 MLAY1000x2, MLAY1000x3, MLAY1000x4, MLAY1000x6



Dual Hook: Stability Control

Use both hooks for safer lifts; the force of the lift stabilizes the magnet and reduces dangerous swings in the load



Single Hook: Lift from Horizontal to Vertical

Use one swivel hook when lifting from flat to vertical



Lock On/Lock Off Handle

Meets or exceeds all domestic and international lifting standards



Replaceable Pole Shoes

Periodically replace the pole shoes to maintain safety and extend the life of the lifter