



**magswitch®**

AT EVERY STEP OF THE WAY

# MLAY600x4

P/N: 8100364

## Tool Features

Magswtich MLAY series magnets utilize different size magnets to attain different field depths better suited for different part thicknesses. This allows for greater working loads and increased control over larger work pieces. The MLAY600x4 is a light-weight heavy-lifting magnet ideal for lifting thin sheet, beam, and pipe. It features a unique dual swivel hook design which improves load stability and allows lifting from horizontal to vertical. With customizable pole shoes to fit almost any application, the MLAY series are great all-around tools perfect for picking curved pipe to flat plate.



**WARNING!**  
**DO NOT OPERATE UNLESS IN**  
**CONTACT WITH FERROUS TARGET**

## Specifications

<b>Maximum Breakaway Force</b> <sup>1,2</sup>	2217 lb		1006 kg	
<b>Maximum Shear Force</b> <sup>1,2</sup>	441 lb		200 kg	
<b>Full Saturation Thickness</b> <sup>3</sup>	0.750 in		19.1 mm	
<b>Minimum Thickness for De-Stack</b> <sup>1,2</sup>	0.374 in		9.5 mm	
<b>Net Weight</b>	20.50 lb		9.3 kg	
<b>Magnetic Pole Footprint</b>	8.78" x 2.80"		223 x 71.12 mm	

<b>Material Thickness - mm (in)</b>	1.5 (0.059)	1.9 (0.075)	2.7 (0.106)	3.0 (0.118)	3.5 (0.138)	4.76 (0.187)	6.35 (0.250)	9.53 (0.375)	12.7 (0.500)	19.05 (0.750)
<b>Maximum Force</b> <sup>1,2,5</sup> - kg (lbs)	105 (231)	147 (324)	215 (474)	256 (563)	310 (684)	434 (957)	592 (1305)	803 (1769)	943 (2079)	1006 (2217)

1. Determined in laboratory environment on 2" thick SAE1018 Steel with surface roughness 63 micro inches. Many factors contribute to the actual breakaway force and safe working load in each application. Consult a Magswitch Applications Engineer and test the Magswitch in each application before deployment.

2. All data applies to standard tool.

3. Determined with SAE1018 Steel L=200mm W=200mm.

4. Values may vary by +/- 5%.

5. Maximum forces listed above are not safe lifting forces. Designer must take into account safety factor when specifying tool. Magswitch recommends SWL = 5:1 for most applications.



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Doc Num 01

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## Drawings

