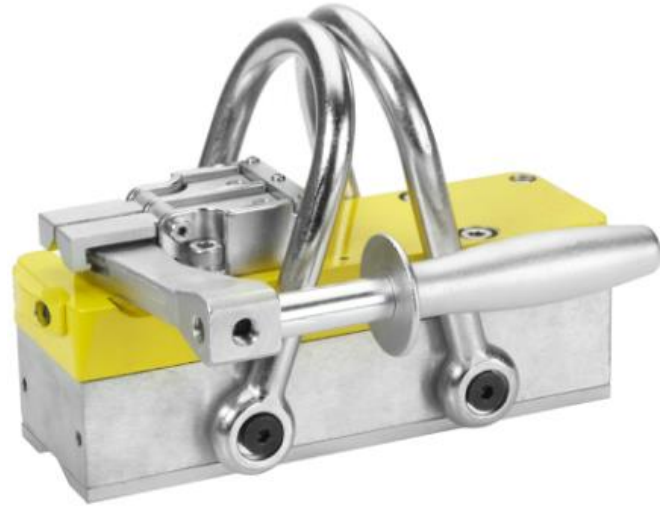# magswitch®

MLAY600x4 | P/N: 8100364

Magswtich LAY 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 lightweight 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 LAY 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

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

Material Thickness - mm (in)	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)
Maximum Force [1,2,5] - 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 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 unit with flat pole shoes.

[3] Determined with SAE1018 Steel L=200mm W=600mm.

[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.

BLACK = Primary Working Surfdace

GRAY = Secondary Working Surface