



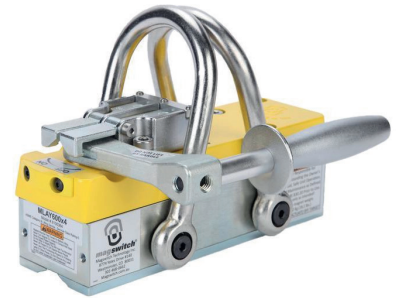
AT EVERY STEP OF THE WAY

MLAY600x4

P/N: 8100364

Tool Features

Magswitch 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

Maximum Breakaway Force ^{1,2}	2217 lb					1006 kg				
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 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.



Magswitch Technologies | 1000 S. McCaslin Blvd.
Suite 301 | Superior | Colorado 80027
+1 (303) 468.0662 | sales@magswitch.com

MSA Magnetics | 14250 Judicial Road
Burnsville, MN | 55306 | 651-272-2950
sales@msamagnetics.com

MLAY600x4
8100364

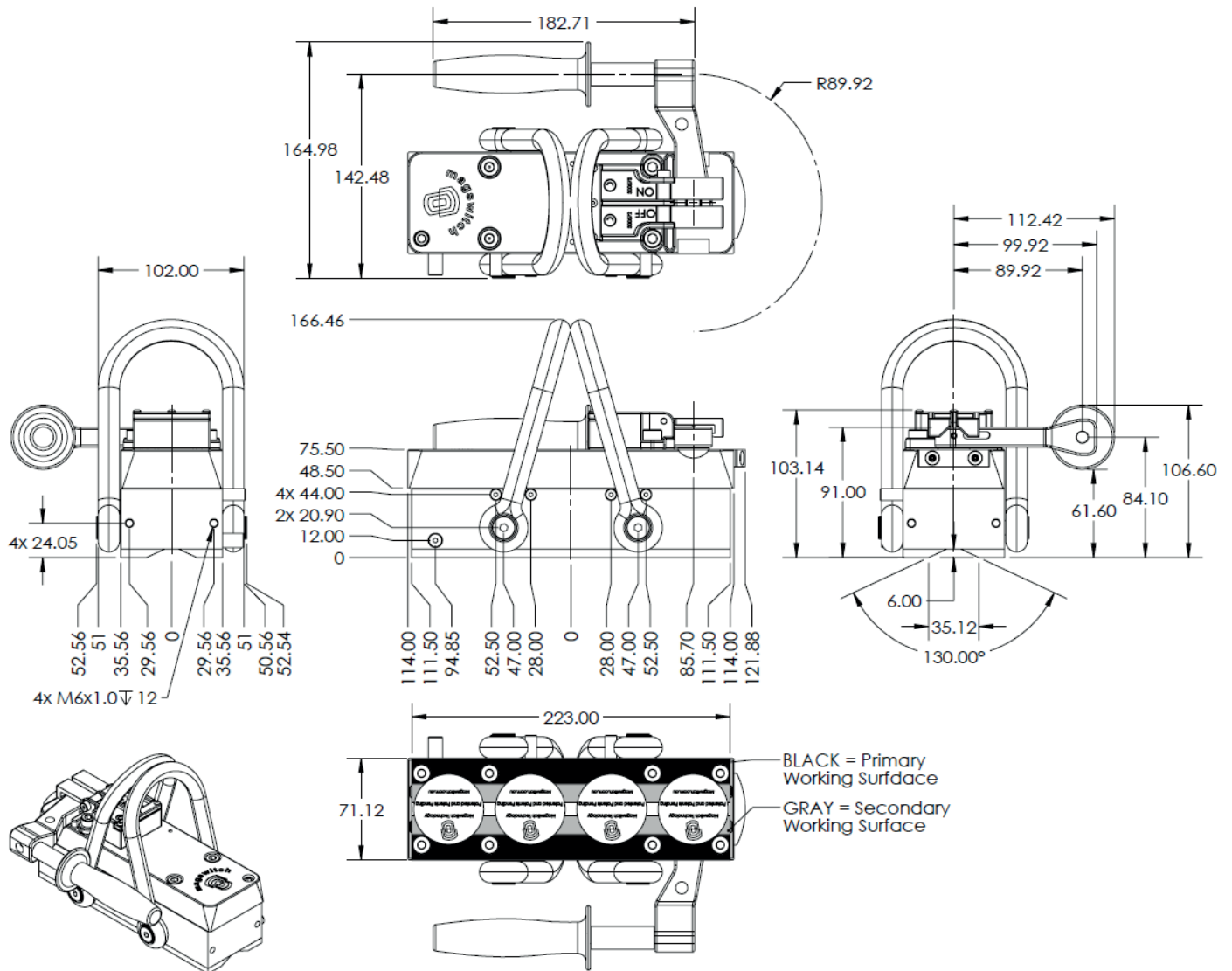
Doc Num 01

Subject to technical and color changes. No liability for errors and misprints assumed. © Magswitch Technologies 2024

MLAY600x4

P/N: 8100364

Drawings



Magswitch Technologies | 1000 S. McCaslin Blvd.
Suite 301 | Superior | Colorado 80027
+1 (303) 468.0662 | sales@magswitch.com

MSA Magnetics | 14250 Judicial Road
Burnsville, MN | 55306 | 651-272-2950
sales@msamagnetics.com

MLAY600x4
8100364

Doc Num 01

Subject to technical and color changes. No liability for errors and misprints assumed. © Magswitch Technologies 2024