

MagMount 600 | P/N: 8100580

Summary

The Magswitch MagMount is a single lever operation switchable magnet that allows for easy movement and placement of a tool. Each features multiple threaded holes for attaching fixtures and supporting loads. The flat working faces grip tightly on flat steel, while the curved surfaces contact round or uneven shapes.



WARNING!

Do Not Operate Unless In Contact With Ferrous Target

Specifications

Maximum Breakaway Force ^{1,2,4}	521 lbs	236 kg
Maximum Shear ^{1,2,4}	104 lbs	47 kg
Full Saturation Thickness	3/8 in	9.5 mm
Overall Height (Max)	2.8 in	72.0 mm
Overall Length	5.2 in	132.9 mm
Overall Width	4.1 in	104.4 mm
Net Weight	3 lbs	2 kg
Magnetic Pole Footprint	3.0x2.0 in	75.0x51.5 mm

Material Thickness	0.4	0.8	1.5	2.7	3.5	4.76	6.35	9.5	12.7	19.5	25.4	50.8
- mm (in)	(0.016)	(0.031)	(0.059)	(0.106)	(0.138)	(0.187)	(0.250)	(0.374)	(0.500)	(0.768)	(1.000)	(2.000)
Maximum Force ⁴	8.9	12.1	35.7	72.2	106.8	144.0	211.5	217.5	219.3	232.3	237.0	237.0
- kg (lbs)	(20)	(27)	(79)	(159)	(236)	(317)	(466)	(480)	(484)	(512)	(522)	(522)
Approx. Maximum Shear ⁴	1.8	2.4	7.1	14.4	21.4	28.8	42.3	43.5	43.9	46.5	47.4	47.4
- kg (lbs)	(4)	(5)	(16)	(32)	(47)	(63)	(93)	(96)	(97)	(102)	(104)	(104)

¹ Determined in laboratory environment on 2" thick SAE1018 Steel with surface roughness 63 micro inches with optimized pole shoes. 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 installed.

³ Values may vary by +/- 5%.

⁴ 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.

