MAGBASE 10 2.0
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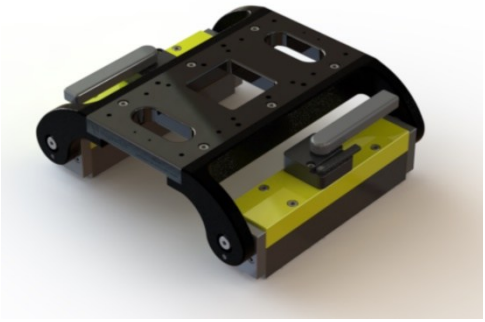
Summary

Magswitch arrays can be anchored flat or pivoted to allow mounting to cylindrical ferromagnetic surfaces and feature a wide footprint to reduce the risk of peel and pry when the end effector is at its greatest radius. Refer to the dimensional drawing below. Standard mounting plate is ready for mounting FANUC CRX-10, FANUC CRX-20, UR10 and UR16 COBOTS. Custom mounting plate and patterns can be incorporated; contact Magswitch for more information about customization. Consult our Applications Team for help with sizing for COBOT applications as we will consider payload, reach, mounting surface and attitude.



WARNING!
Do Not Operate Unless In Contact With Ferrous Target

Specifications

Nominal Maximum Breakaway Force [1,2,4]	22072 N	
Nominal Maximum Shear [1,2,4]	4846 N	
Full Saturation Thickness	0.5 in	12.7 mm
Net Weight	66 lbs	30 kg
Individual Magnetic Pole Footprint	2.8"x11.7"	71mmx296mm
Overall Footprint	5.6"x14.8"x15.6"	143mmx376mmx396mm

The following is the maximum magnetic force "breakaway" data for ONE swiveling magnet array. There are TWO installed on each Magbase 10 2.0. Consult operation manual for more information.

Material Thickness - mm (in)	1.5 (0.059)	1.9 (0.075)	2.7 (0.106)	3 (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 [1,2,4] - N	1585	2109	3503	3648	4058	5591	8626	10241	10712	11036

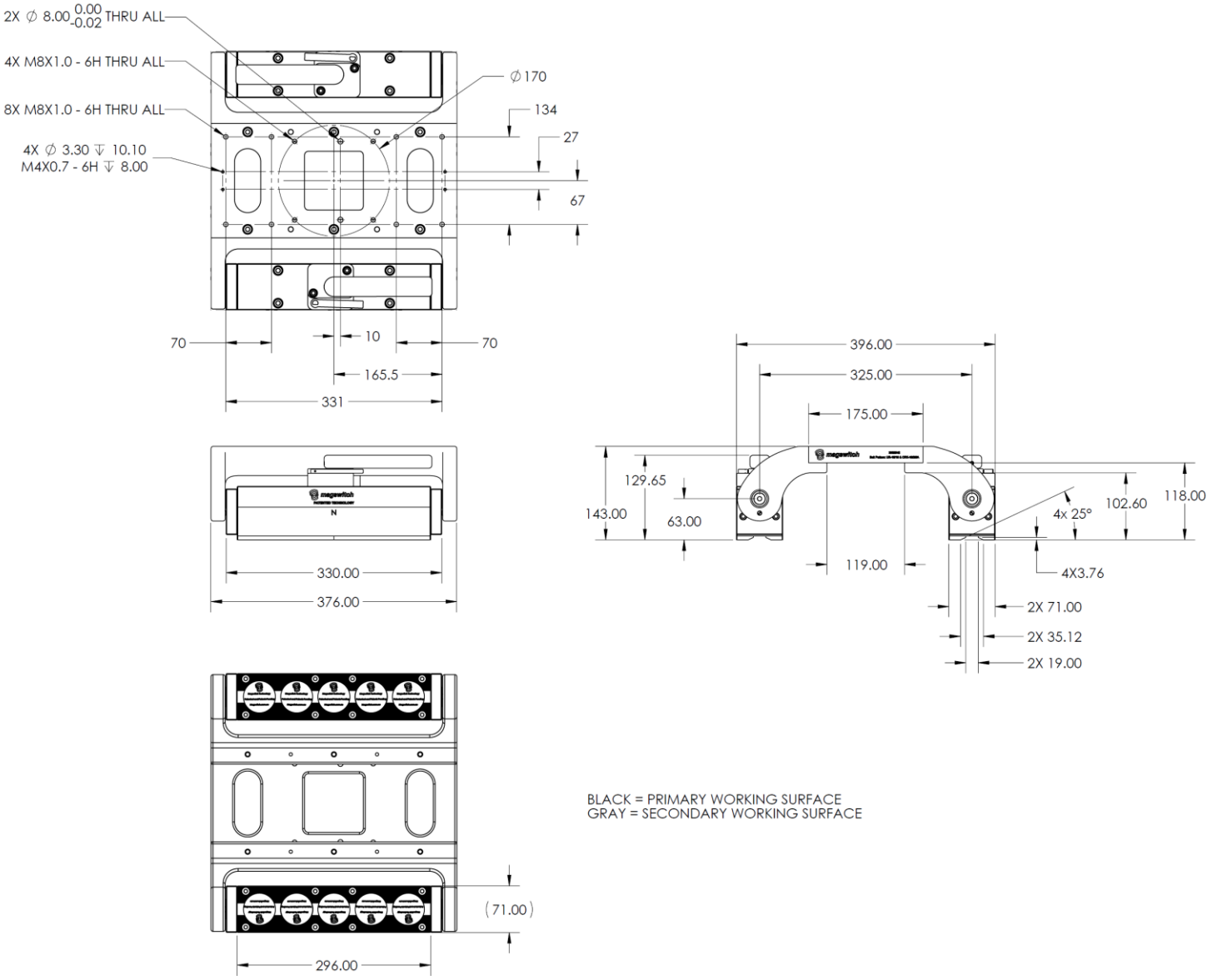
[1] Determined in laboratory environment on 2" thick SAE1018 Steel with surface roughness 63 micro inches with optimized pole shoes. Many factors contribute to the actual breakaway force and safe working load in each application. Consult a Magswitch Applications Engineer and test the Magswitch in each 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 = 10:1 for most applications.

Generic Dimensions



Center of Mass