

PLAY70X2 | P/N 8140391

Magswitch LAY series utilizes field interaction between individual magnets to increase depth of field and spread the attractive force over a larger footprint. This allows for greater working loads and increased control over larger work pieces. With customizable pole shoes to fit almost any application, the LAY is a great all around tool that is perfect for picking pipe and round as well as large plate steel.

WARNING!
Do Not Operate Unless In Contact With Ferrous Target

Specifications

Nominal Maximum Breakaway Force ^{1,2}	7730	N		
Nominal Maximum Shear Force ^{1,2}	1795	N		
Thickness for De-Stack ³	0.500	in	12.7	mm
Minimum Actuation Pressure	44.96	psi	3.1	Bar
Maximum Actuation Pressure	145.04	psi	10	Bar
Air Port Threads	Rc 1/4			
Net Weight	26.2	lb	11.9	Kg
Individual Magnetic Pole Footprint	6.99"x3.78"		177.5mm x 96mm	
Mounting Options	M8x1.25			



Material Thickness - mm (in)	1.50	1.90	2.70	3.00	3.50	4.76	6.35	9.53	12.70	19.05	25.40
	(0.059)	(0.075)	(0.106)	(0.118)	(0.138)	(0.187)	(0.250)	(0.375)	(0.500)	(0.750)	(1.000)
Maximum Force ^{1,2,5} - N	686	961	1533	1826	2247	3446	4900	6180	7296	7670	7730

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 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.

$$SWL \text{ (Safe Working Load)} = \frac{\text{Maximum Force}^5}{\text{Safety Factor} (\geq 5)}$$

Pole shoes required for operation

Standard Kits Available:

PLAY70X2 Standard Pole Shoe Kit	8800077
PLAY70X2 Prox Cap Kit	8800293

