

## T30 | P/N 81401124

The Magswitch T30 is compact and powerful, boasting cutting edge technology enhancements and precision mounting interfaces. These tools are great for fixtures, pin locating and thin part material handling. Additional custom pole shoe geometry allows for extreme flexibility in applications. This tool is a precision fit for your next project!

### WARNING!

**Do Not Operate Unless In Contact With Ferrous Target**

## Specifications

<b>Maximum Breakaway Force</b> <sup>1,2</sup>	161 lb	73 Kg
<b>Maximum Shear Force</b> <sup>1,2</sup>	38.8 lb	17.6 Kg
<b>Minimum Thickness for De-Stack</b> <sup>3</sup>	0.197 in	5.0 mm
<b>Minimum Actuation Pressure</b>	21.76 psi	1.5 Bar
<b>Maximum Actuation Pressure</b>	89.92 psi	6.2 Bar
<b>Air Port Threads</b>	2x G 1/8	
<b>Net Weight</b>	1.3 lb	0.6 Kg
<b>Individual Magnetic Pole Footprint</b>	8.78"x2.8"	54mm x 31mm
<b>Mounting Options</b>	TOP: Ø8-M8-Ø8-M8 Side: 2x Ø6-M8-Ø6	



<b>Material Thickness</b> - mm (in)	0.5 (0.020)	1 (0.039)	2 (0.079)	3 (0.118)	4 (0.157)	5 (0.197)	6 (0.236)	50.8 (2.000)
<b>Maximum Force</b> <sup>1,2,5</sup> - kg (lbs)	6.63 (14.62)	18.23 (40.20)	34.03 (75.03)	54.60 (120.37)	62.87 (138.60)	70.63 (155.72)	73.07 (161.08)	73.03 (161.01)
<b>Actuation Pressure</b> - bar (psi)	3.90 (57)	2.75 (40)	1.80 (26)	1.50 (22)	1.50 (22)	1.50 (22)	1.50 (22)	1.50 (22)

<sup>1</sup> 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.

<sup>2</sup> All data applies to unit with flat pole shoes installed.

<sup>3</sup> Determined with SAE1018 Steel L=200mm W=200mm.

<sup>4</sup> Values may vary by +/- 5%.

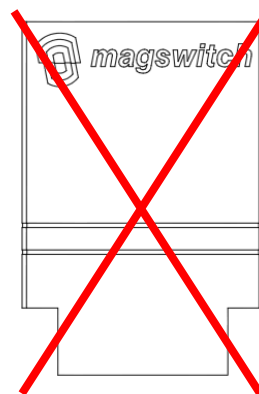
<sup>5</sup> Maximum forces listed above are not safe lifting forces. Designer must take into account safety factor when specifying tool. Magswitch recommends SWL = 5:1 for most applications.

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

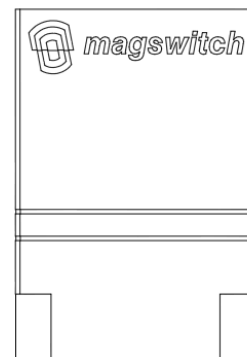
## Pole shoes required for operation

### Standard Kits Available:

T30 Pin Clamp Pole Shoe Kit	8800747
T30 Standard Pole Shoe Kit	8800696
T30 Thin Target Pole Shoe Kit	8800756
T30 Pole Shoe Kit w/ 20mm Pin	8800761
T30 Sensor Cap Kit	8800699



NO POLE SHOES



POLE SHOES ATTACHED  
(SOLD SEPARATELY)

