

# T20 | P/N: 81401258

The even more compact T20 is a miniature version of our T30, featuring similar high precision and repeatable mounting and manual override features.

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



## Specifications

<b>Maximum Breakaway Force</b> <sup>1,2,4</sup>	75	lbs	34	kg
<b>Maximum Shear</b> <sup>1,2,4</sup>	22	lbs	10	kg
<b>Minimum Thickness for De-Stack</b> <sup>3</sup>	0.118	in	3.0	mm
<b>Overall Height (Max)</b>	2.1	in	54.0	mm
<b>Overall Length</b>	1.4	in	36.0	mm
<b>Overall Width</b>	1.3	in	32.5	mm
<b>Net Weight</b>	0.42	lbs	0.19	kg
<b>Magnetic Pole Footprint</b>	1.4x0.8	in	36.0x21.0	mm
<b>Max Allowable Pressure</b>	90	psi	0.62	MPa

Material Thickness - mm (in)	0.5 (0.020)	0.6 (0.024)	0.7 (0.028)	0.8 (0.031)	1 (0.039)	1.5 (0.059)	2 (0.079)	3 (0.118)	4 (0.157)
<b>Maximum Force</b> <sup>5</sup> - kg (lbs)	4.1 (9.0)	5.1 (11.2)	6.5 (14.3)	8.2 (18.1)	13.2 (29.1)	17.9 (39.5)	25.6 (56.4)	34.2 (75.4)	34.2 (75.5)
<b>Required Air Pressure</b> - bar (psi)	3.0 (44)	3.0 (44)	2.8 (41)	2.8 (41)	2.6 (38)	2.4 (35)	2.2 (32)	2.2 (32)	2.2 (32)

<sup>1</sup> 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.

<sup>2</sup> All data applies to standard tool.

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

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

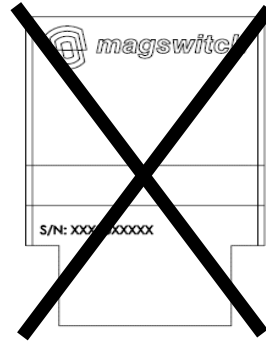
<sup>5</sup> Maximum forces listed above are not safe lifting forces. Designer must take into account safety factor when specifying tool. Magswitch recommends SWL = 5:1 for most applications.

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

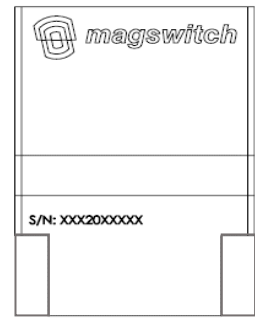
**Pole shoes required for operation**

Standard kits available:

Flat Pole Shoe Kit	8800840
Sensor Cap Kit	8800864
Thin Target Pole Shoe Kit	8800878
Extended Thin Target Pole Shoe Kit	8800874



NO POLE SHOES



POLE SHOES ATTACHED  
(SOLD SEPARATELY)

