Pivot Angle 150 Mini | P/N: 81001269

Summary

The Magswitch Pivot Angle offers a range of angles from 0 to 270 degrees. Each axis features a Magswitch with a 182lbs (82.6kg) hold capability. A single pivot point is located on the elbow. The elbow joint locks and unlocks quickly with a thumb screw. The dial on the elbow features indicators every 9 degrees. On each axis a Magswitch magnetic tool is exposed on a side to enable the tool to secure to a table or wall, while simultaneously holding the work piece. Perfect for repetitive work on uncommon angles.

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

Specifications

Nominal Maximum Breakaway Force [1,2,4]	182 lbs	83 kg
Nominal Maximum Shear [1,2,4]	25.3 lbs	11 kg
Full Saturation Thickness	3/16 in	4.8 mm
Overall Height (Max)	2.1 in	53.4 mm
Overall Length	6.1 in	155.5 mm
Overall Width	2.6 in	66.0 mm
Net Weight	3 lbs	1 kg
Magnetic Pole Footprint	1.0x2.1 in	26.4x54 mm

Material Thickness - mm (in)	1.0 (0.039)	2.0 (0.079)	3.0 (0.118)	4.0 (0.157)	5.0 (0.197)	6.0 (0.236)	50.0 (1.969)
Maximum Force [4] - kg (lbs)	18.3 (40)	38.7 (85)	62.7 (138)	76.0 (168)	82.5 (182)	82.6 (182)	82.6 (182)

[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.

[2.204]
55.97

[1.516]
38.50

[2.100]
53.35

[1.299]
33.00

[6.122]
155.50

[1.299]
33.00

[3.248]
82.50

[6.122]
155.50

Pivot Angle 150 Mini
Part # 81001269

Magswitch Technology
1300 Horizon Ave
Lafayette, CO, 80026, USA

User must read
and understand
manual prior

CE