



**magswitch®**

AT EVERY STEP OF THE WAY

# MagReach 400

P/N: 81001594

## Tool Features

MagReach is a classic Magswitch No-Touch handling tool which eliminates the need to touch sharp, dirty or hot materials. This tool can pull parts of the burn table while standing on the side instead of jumping on top and eliminates need for bending over and back injuries. MagReach is excellent for dragging and guiding heavy sheets and tubes with extendable handle for varying distances. MagReach features patented Magswitch magnets and Fail-Safe Technology. MagReach increases productivity and safety in workplaces and production floors.

**WARNING!**  
**DO NOT OPERATE UNLESS IN  
CONTACT WITH FERROUS TARGET**



## Specifications

|  |                                       |                |   |                |                |                |                |                |                |                |                 |
|--|---------------------------------------|----------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>Maximum Lifting Capacity</b>              | 50 lbs                                |                | 23 kg   |                |                |                |                |                |                |                |                 |
| <b>Full Saturation Thickness</b>             | 3/8 in                                |                | 9.5 mm  |                |                |                |                |                |                |                |                 |
| <b>Overall Height (Adjustable)</b>           | 50.5 in / 62.3 in / 74.1 in / 85.9 in |                | 1282.0 mm / 1582.0 mm / 1882.0 mm / 2182.0 mm |                |                |                |                |                |                |                |                 |
| <b>Overall Length (without handle grip)</b>  | 3.2 in                                |                | 82.0 mm                                       |                |                |                |                |                |                |                |                 |
| <b>Overall Length (with handle grip)</b>     | 6.1 in                                |                | 154.0 mm                                      |                |                |                |                |                |                |                |                 |
| <b>Overall Width (without handle grip)</b>   | 1.9 in                                |                | 48.5 mm                                       |                |                |                |                |                |                |                |                 |
| <b>Overall Width (with handle grip)</b>      | 2.2 in                                |                | 57.0 mm                                       |                |                |                |                |                |                |                |                 |
| <b>Net Weight</b>                            | 7.7 lbs                               |                | 3.5 kg  |                |                |                |                |                |                |                |                 |
| <b>Magnetic Pole Footprint</b>               | 2.8x1.7 in                            |                | 71x43 mm                                      |                |                |                |                |                |                |                |                 |
| <b>Material Thickness - mm (in)</b>          | 1.0<br>(0.039)                        | 1.2<br>(0.047) | 1.5<br>(0.059)                                | 1.9<br>(0.075) | 2.7<br>(0.106) | 3.0<br>(0.118) | 3.5<br>(0.138) | 4.8<br>(0.187) | 6.4<br>(0.250) | 9.5<br>(0.375) | 12.7<br>(0.500) |
| <b>Maximum Force <sup>4</sup> - kg (lbs)</b> | 44.2<br>(97)                          | 51.8<br>(114)  | 60.3<br>(133)                                 | 86.2<br>(190)  | 127.4<br>(281) | 139.4<br>(307) | 168.2<br>(371) | 270.3<br>(596) | 359.5<br>(793) | 409.4<br>(903) | 415.0<br>(915)  |

1. 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.

2. Determined with SAE1018 Steel L=200mm W=200mm.

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 = 3:1 for most applications.



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## Drawings

