



Magswitch Technology, Inc.  
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## Magswitch AR30 NAAMS P/N: 8140679

Magswitch “AR” series is explicitly designed for use with pole shoes. Pole shoes must be attached to the unit in order to maximize breakaway force and minimize residual magnetism. Each Magswitch “AR” unit comes equipped with one set of dual purpose pole shoes for flat or pipe/round stock. Simply flip the pole shoes around so the V shape is exposed for use on pipe and other rounds. The “AR” series allows complete customization of pole shapes to provide the best hold on your hard to grip parts. The “NAAMS” Mount is a universal, consistent, and precision effective way to attach these devices to robots and other mounts.

**Note: You may have to design and fabricate custom pole shoes depending on your application for optimal performance.**

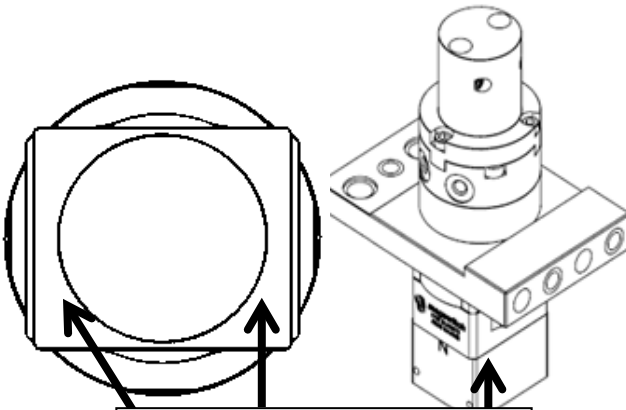


**WARNING!**  
**Do Not Operate Unless In  
Contact With Ferrous Target**

### SPECIFICATIONS

#### P/N: 8140679 - MAGSWITCH AR30 NAAMS

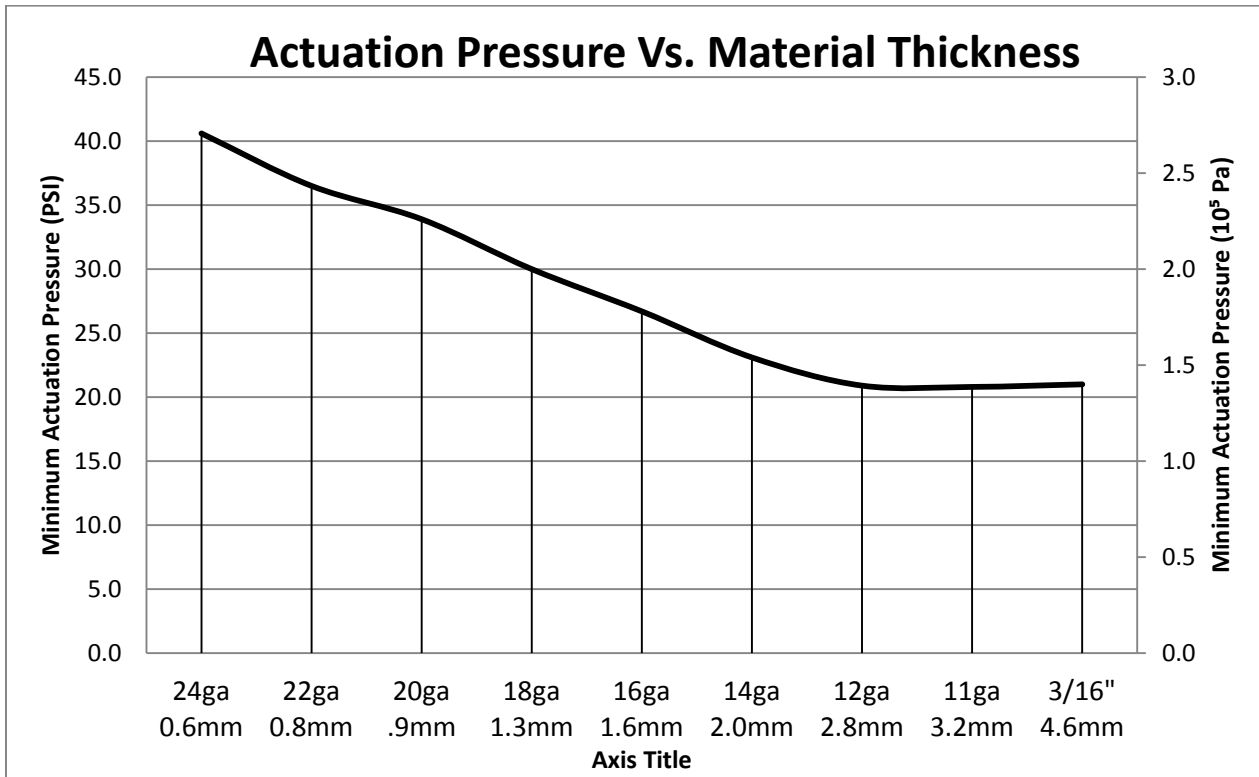
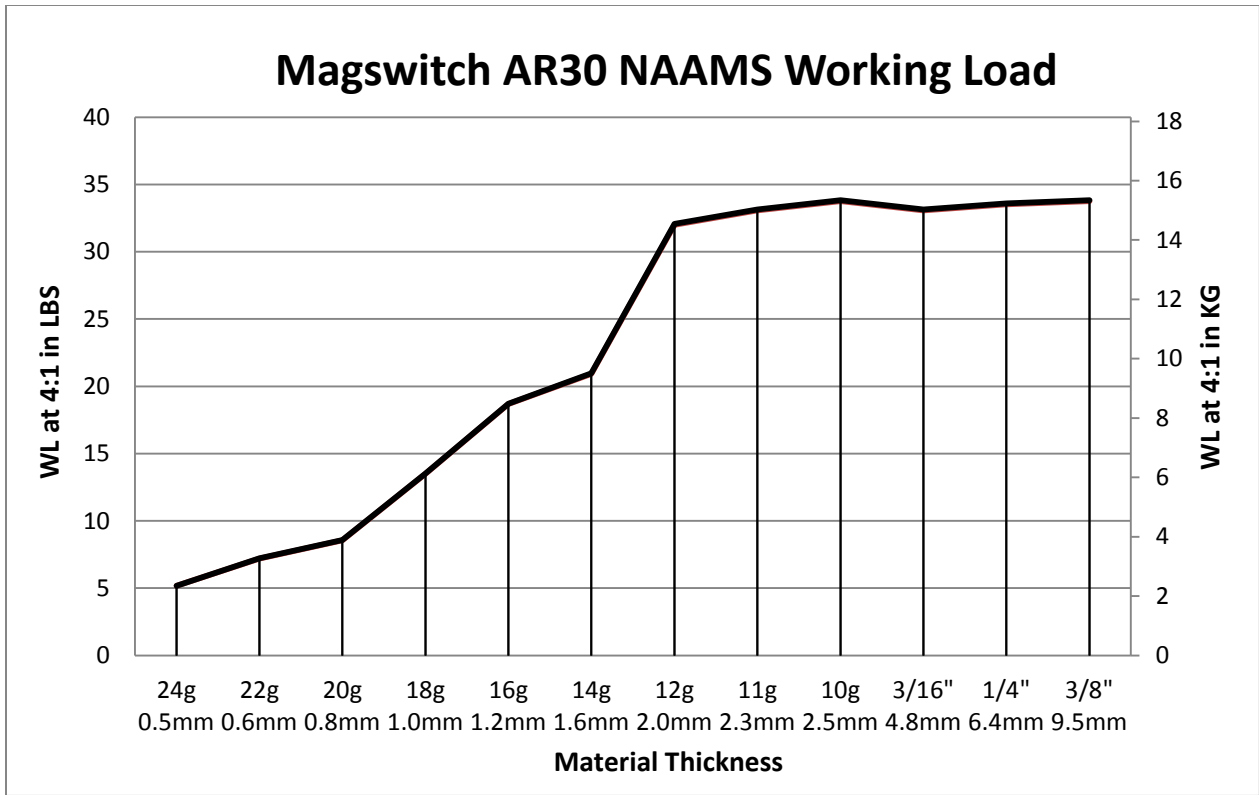
Max Breakaway*	134 lbs/60.9 kg
Working Load 4:1*	33.5 lbs/15.2 kg
Full Saturation Thickness	10 ga/3.5 mm
Max Shear 2:1*	15 lbs/6.8 kg
Minimum Thickness for De-Stack	10 ga/3.5 mm
Min Actuation Pressure	16 psi/1.1x10 <sup>5</sup> pa
Max Actuation Pressure	100 psi/6.9x10 <sup>5</sup> pa
Off Target Actuation Pressure	48 psi/3.3x10 <sup>5</sup> pa
Net Weight	1.53 lbs/ 0.70 kg
Air Port Thread	M5x0.8
NAAMS Mount	2:M8x1.25/4: Dia6.0/2: Dia9.0
Overall Height	131.0 mm
Magnetic Pole Footprint	36x31.2 mm



**WORKING SURFACE**

Part Number 110869  
Revision Date: March 24, 2014

\* Max Breakaway determined in laboratory environment on 2" thick SAE1018 Steel with surface roughness 63 micro inches. Many factors contribute to the actual breakaway force in each application. Always test the magswitch in each application before deployment. Refer to the magswitch information booklet for more information.



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