



Magswitch Technology, Inc.  
 8774 Yates Dr. Suite 140  
 Westminster, CO 80031  
 Magswitch.com.au  
 303-468-0662

# Magswitch M20AY ASC

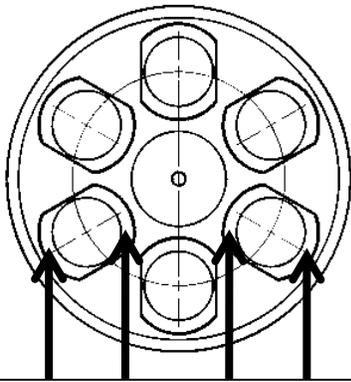
## P/N: 8140591

Magswitch “AY” series utilizes field interaction between individual Magswitch units to manipulate magnetic field shape allowing for a deeper or shallower depth of field and increased holding in shear while utilizing a single actuator. This makes the “AY” series the perfect cost effective unit for de-stacking operations and lifting flat steel in shear.



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

SPECIFICATIONS	
<b>P/N: 8140591 - MAGSWITCH M20AY ASC</b>	
Max Breakaway*	392.8 lbs/178.5 kg
Working Load 4:1*	98.2 lbs/44.6 kg
Full Saturation Thickness	3/16"/4.75 mm
Max Shear 2:1*	39.1 lbs/17.8 kg
Minimum Thickness for De-Stack	3/16"/4.75 mm
Min Actuation Pressure	35 psi/2.5x10 <sup>5</sup> pa
Max Actuation Pressure	100 psi/6.9x10 <sup>5</sup> pa
Off Target Actuation Pressure	52 psi/3.4 x10 <sup>5</sup> pa
Net Weight	3.2 lbs/1.45 kg
Air Port Thread	M5x0.8
Mounting Thread	M8x1.0
Overall Height	126.25 mm
Magnetic Pole Footprint	97.5 mm Diameter



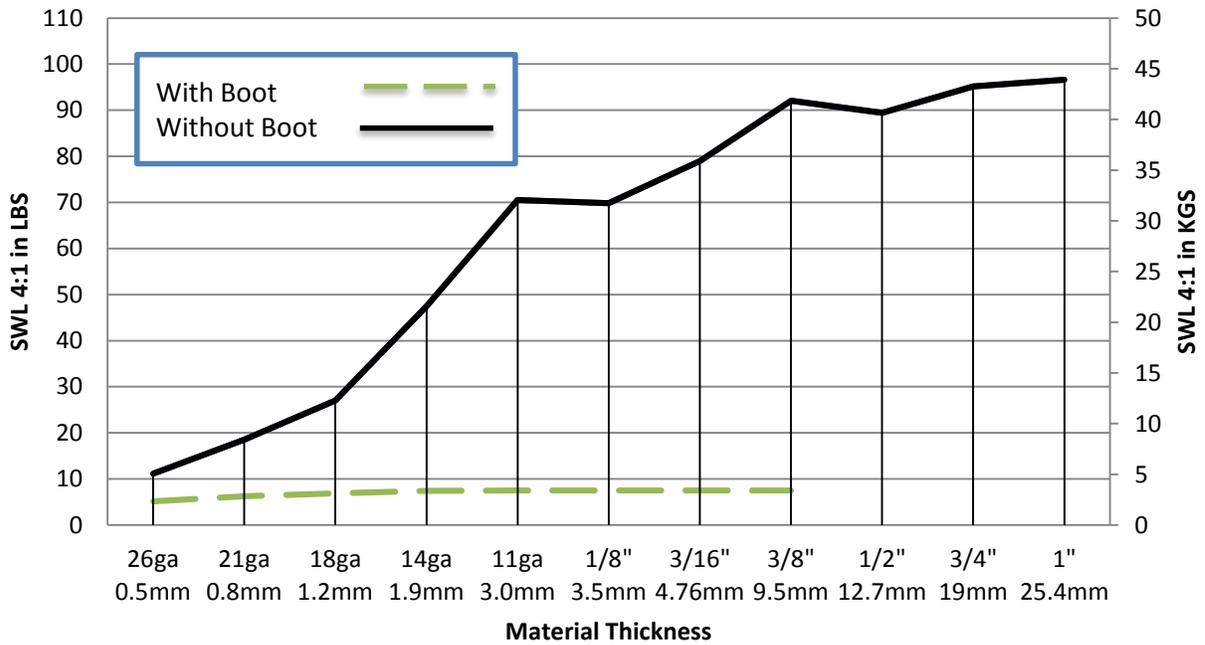
**WORKING SURFACE**



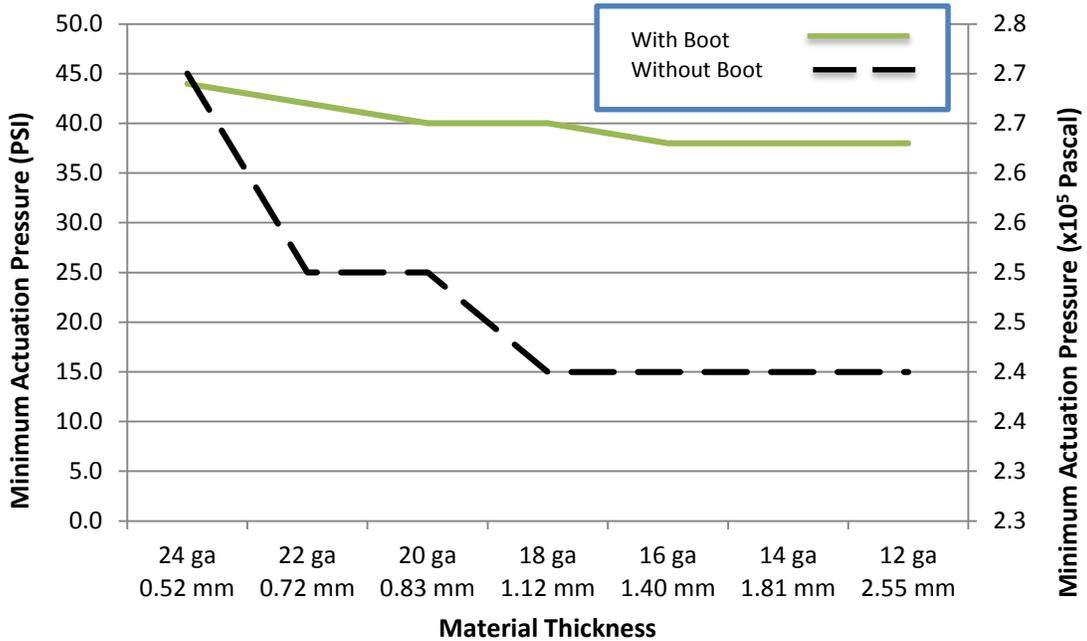
Part Number 110651  
 Revision Date: July 29, 2013

\* 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.

## Magswitch M20AY ASC Working Load 4:1



## Actuation Vs. Material Thickness



Part Number 110651  
Revision Date: July 29, 2013

\* 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.



Part Number 110651  
 Revision Date: July 29, 2013

