



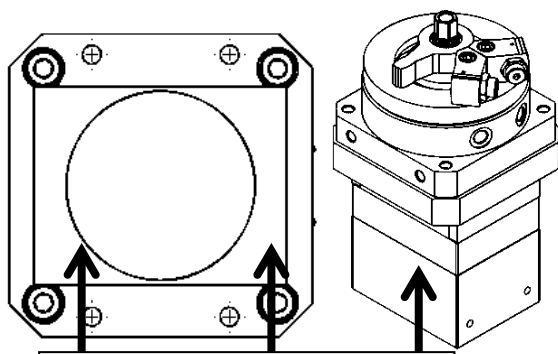
Magswitch Technology, Inc.
8774 Yates Dr. Suite 140
Westminster, CO 80031
Magswitch.com.au
303-468-0662

Magswitch AR70 Classic (AR70-HDC) P/N: 8140320

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.

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



WORKING SURFACE

SPECIFICATIONS

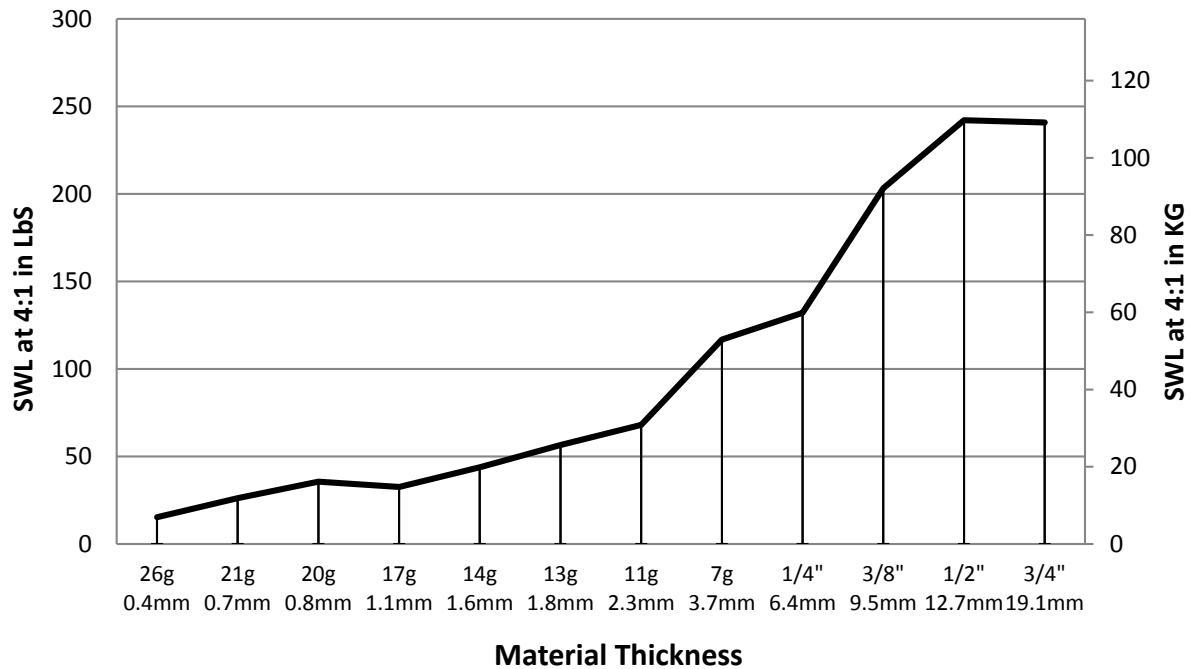
P/N: 8140320 - MAGSWITCH AR70 Classic

Max Breakaway*	960 lbs/435.4 kg
Safe Working Load*	240 lbs/109.1 kg
Full Saturation Thickness	1/2" / 12.7 mm
Max Safe Shear*	125 lbs/56.7 kg
Minimum Thickness for De-Stack	1/2" / 12.7 mm
Min Actuation Pressure	30 psi / 2.1x10 ⁵ pa
Max Actuation Pressure	145 psi / 1.0x10 ⁶ pa
Net Weight	10.6 lbs / 4.8 kg
Air Port Thread	G1/8
Mounting Thread	M8x1.25
Overall Height	210.2 mm
Magnetic Pole Footprint	92x72.3 mm

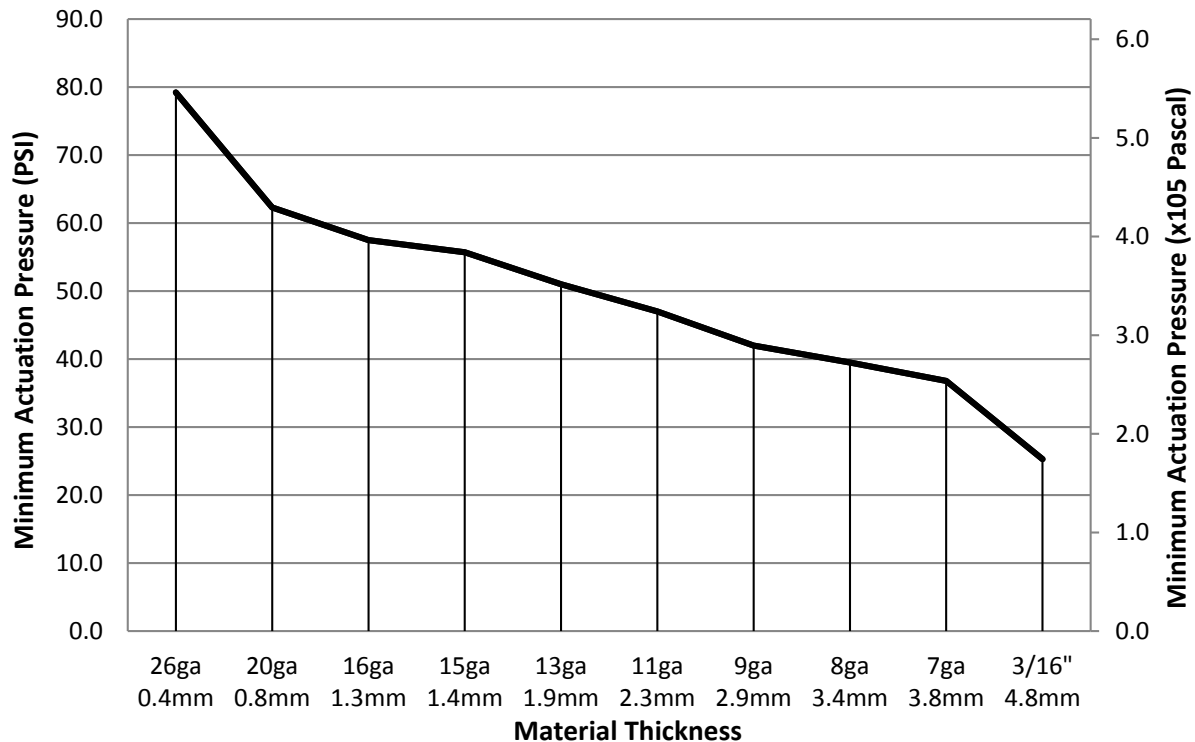
Part Number 110633
Revision Date: 11/11/2014

* 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.

Magswitch AR70 Classic Safe Working Load



Actuation Pressure Vs. Material Thickness



Part Number 110633
Revision Date: 11/11/2014

* 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.

Technical drawing of the AR70 Classic magswitch, showing front, side, and top views with dimensions and a table of specifications.

Dimensions:

- Front View: $\varnothing 103.65$, $\varnothing 101.50$, $\varnothing 105.00$, $\varnothing 110.00$, 14.50 , 22.30 , 130.90 , 13.50 , 50.00 , 60.00 .
- Side View: $6 \times \varnothing 6.65 \nabla 16.00$, $M8 \times 1.25 \nabla 12.00$, 19.20 , 72.00 , $4 \times \varnothing 5.00 \nabla 15.00$, $M6 \times 1.0 - 6H \nabla 12.00$, 50.00 .
- Top View: 92.00 , 95.00 , 72.30 , $4 \times \varnothing 6.80$ THRU ALL, $M8 \times 1.25 - 6H \nabla 20.00$.

Table:

1	2	3	4	5	6
Max Breakaway	960 lbs / 435.4 kg				
Safe Working Load	244 lbs / 110.7 kg				
Optimum Material Thickness	1/2" / 12.7 mm				

Notes:

- THIS DOCUMENT AND THE INFORMATION IT CONTAINS, INCLUDING THE PRINCIPLES OF MAGNETIC TECHNOLOGY, ARE THE PROPERTY OF MAGNETIC TECHNOLOGY WORLDWIDE AND IS CONFIDENTIAL. ACCORDINGLY, THIS INFORMATION IS SUBMITTED TO YOU FOR YOUR INFORMATION ONLY. IT IS NOT TO BE REPRODUCED, COPIED, OR LOANED IN PART OR IN WHOLE. NOR IS THE INFORMATION TO BE RELAYED TO OTHER INDIVIDUALS OR ORGANIZATIONS WITHOUT THE WRITTEN AGREEMENT OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE RESTRICTIONS.
- DO NOT SCALE

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SCALE	2.5	WEIGHT	468.64 g
SCALE	2.5	WEIGHT	468.64 g

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