



Magswitch Technology, Inc.
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 Westminster, CO 80031
 Magswitch.com.au
 303-468-0662

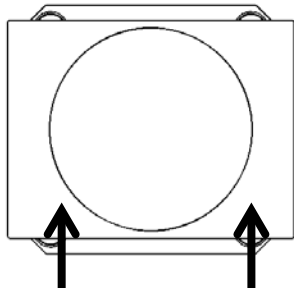
Magswitch AR110 HDC

P/N: 8140321

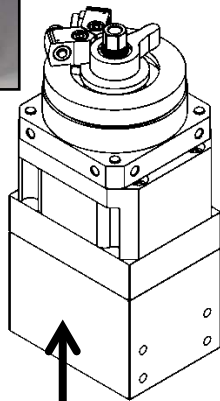
Magswitch “AR” series is explicitly designed for use with pole shoes. Pole shoes must be attached to the unit in order to maximize breakaway force and minimize residual magnetism. Each Magswitch “AR” unit comes equipped with one set of dual purpose pole shoes for flat or pipe/round stock. Simply flip 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



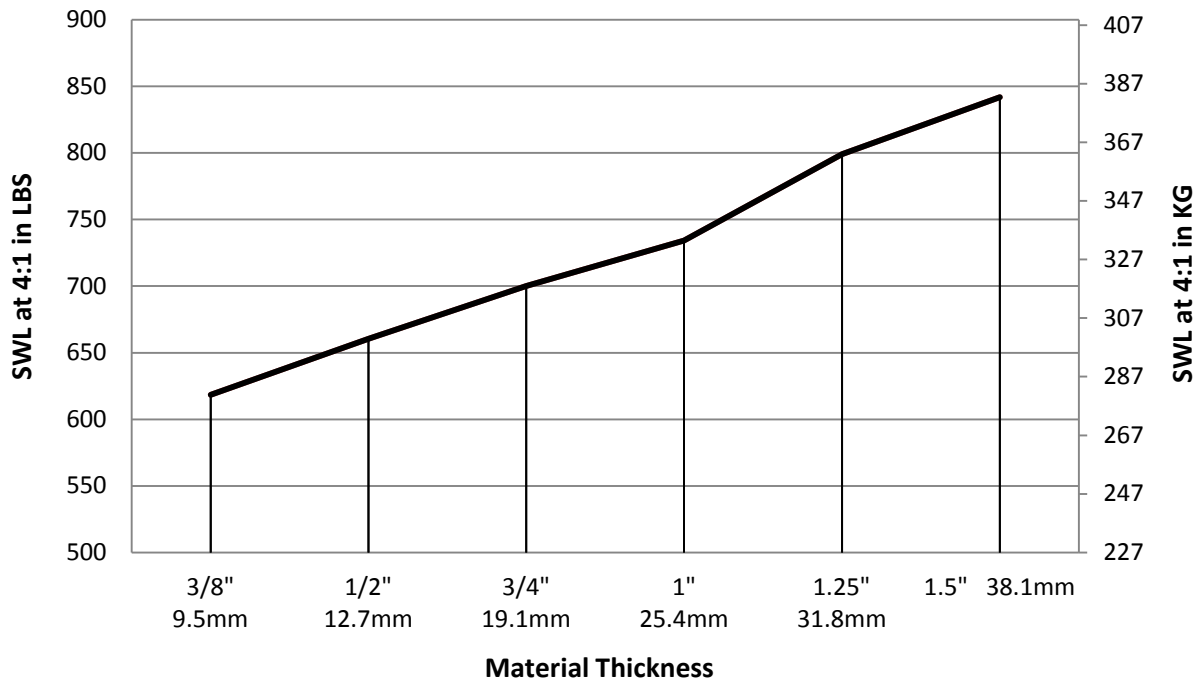
SPECIFICATIONS	
P/N: 8140321 - MAGSWITCH AR110 HDC	
Max Breakaway*	3368 lbs/1530.9 kg
Safe Working Load*	842 lbs/382.7 kg
Full Saturation Thickness	1.5"/38.1 mm
Max Safe Shear*	421 lbs/191.4 kg
Minimum Thickness for De-Stack	1.5"/38.1 mm
Min Actuation Pressure	60 psi/4.1x10 ⁵ pa
Max Actuation Pressure	145 psi/1x10 ⁶ pa
Net Weight	49.5 lbs/22.5 kg
Air Port Thread	G1/8
Mounting Thread	M10x1.5
Overall Height	330.7 mm
Magnetic Pole Footprint	150x113.9 mm
Actuator Part Number	280008



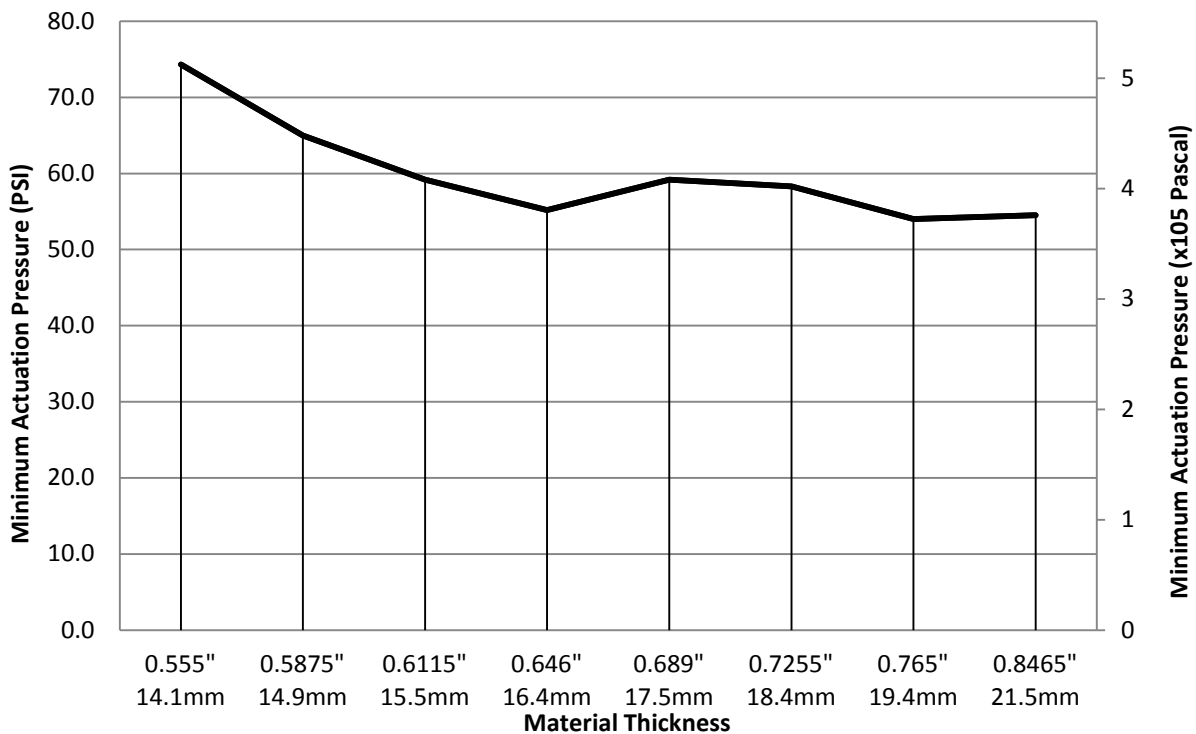
Part Number 110634
 Revision Date: April 13, 2012

* 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 AR110 HDC Safe Working Load

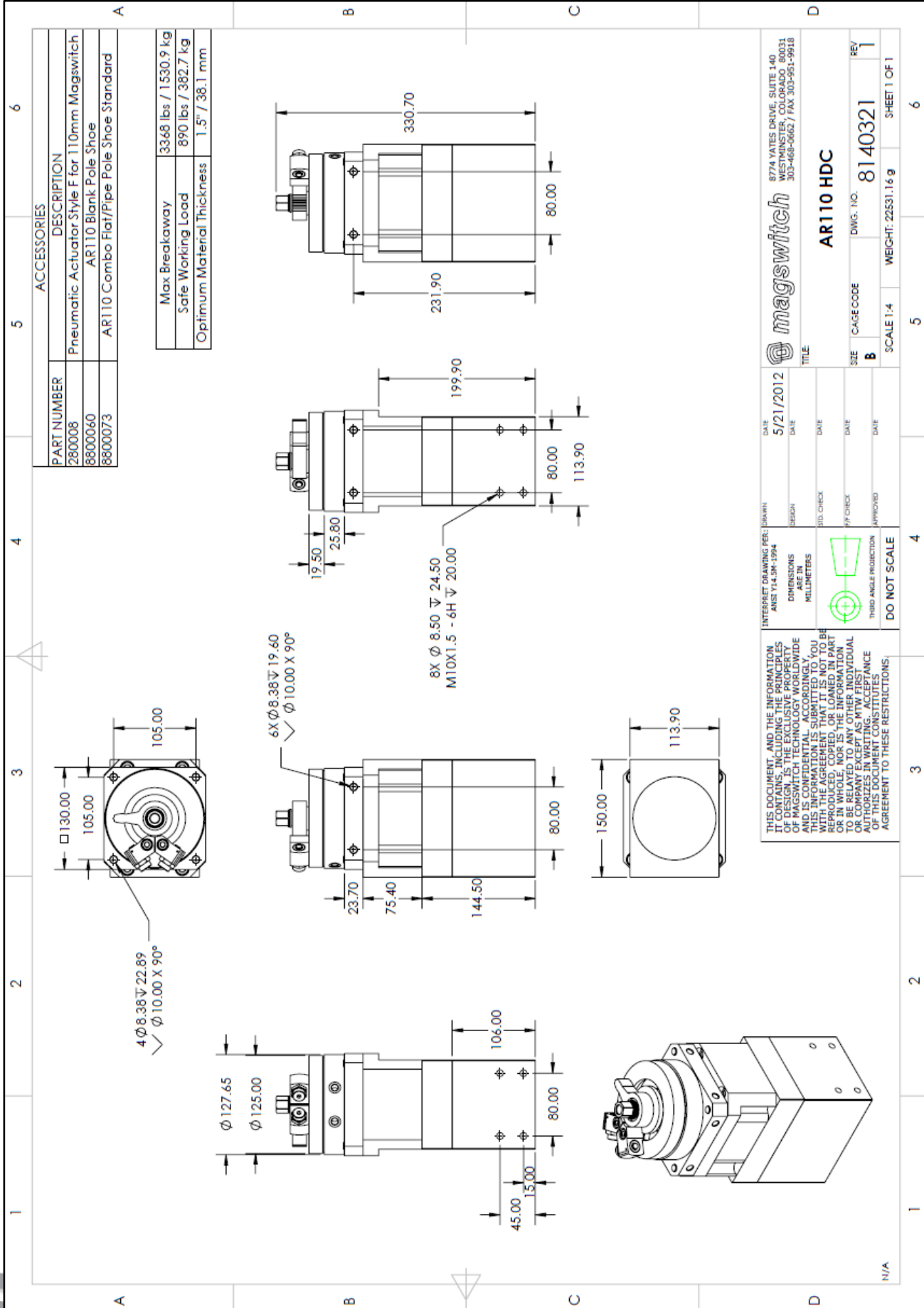


Actuation Pressure Vs. Material Thickness



Part Number 110634
Revision Date: April 13, 2012

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ART110 HDC

DATE: 5/21/2012
 DESIGN: []
 STD. CHECK: []
 P/F CHECK: []
 APPROVED: []

INTERPRET DRAWING PER: []
 ANS114.5M-1994
 DIMENSIONS ARE IN MILLIMETERS
 THIRD ANGLE PROJECTION
 DO NOT SCALE

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SIZE: B
 CAGE CODE: []
 DWG. NO.: 8140321
 REV: 1
 SCALE: 1:4
 WEIGHT: 22531.16 g
 SHEET 1 OF 1