

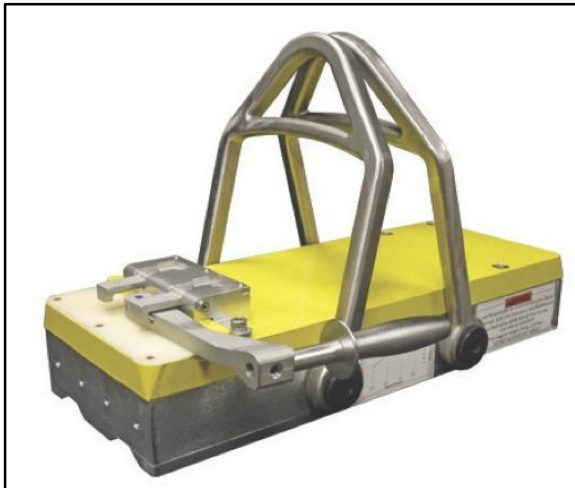


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 Lafayette, CO 80026  
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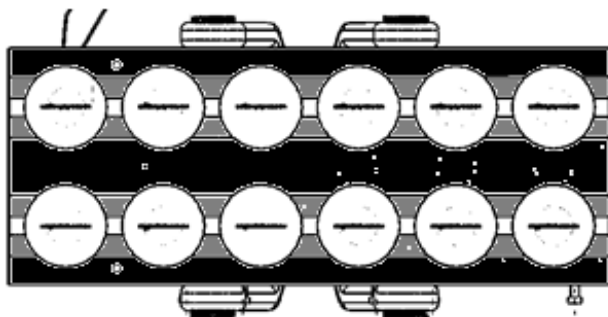
# Magswitch MLAY1000x12

## P/N: 8100549

Magswitch LAY series magnets utilize different size magnets to attain different field depths. This allows for greater working loads and increased control over larger work pieces. The MLAY1000x12 is a lightweight heavy lifting magnet ideal for lifting large thick sheets, beams, pipe, and performs well on air gaps such as rust and dirt. It features a unique dual swivel hook design for both load stability and lifting from horizontal to vertical. With customizable pole shoes to fit almost any application, the LAY is a great all around tool that is perfect for picking pipe and round as well as large plate steel.



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

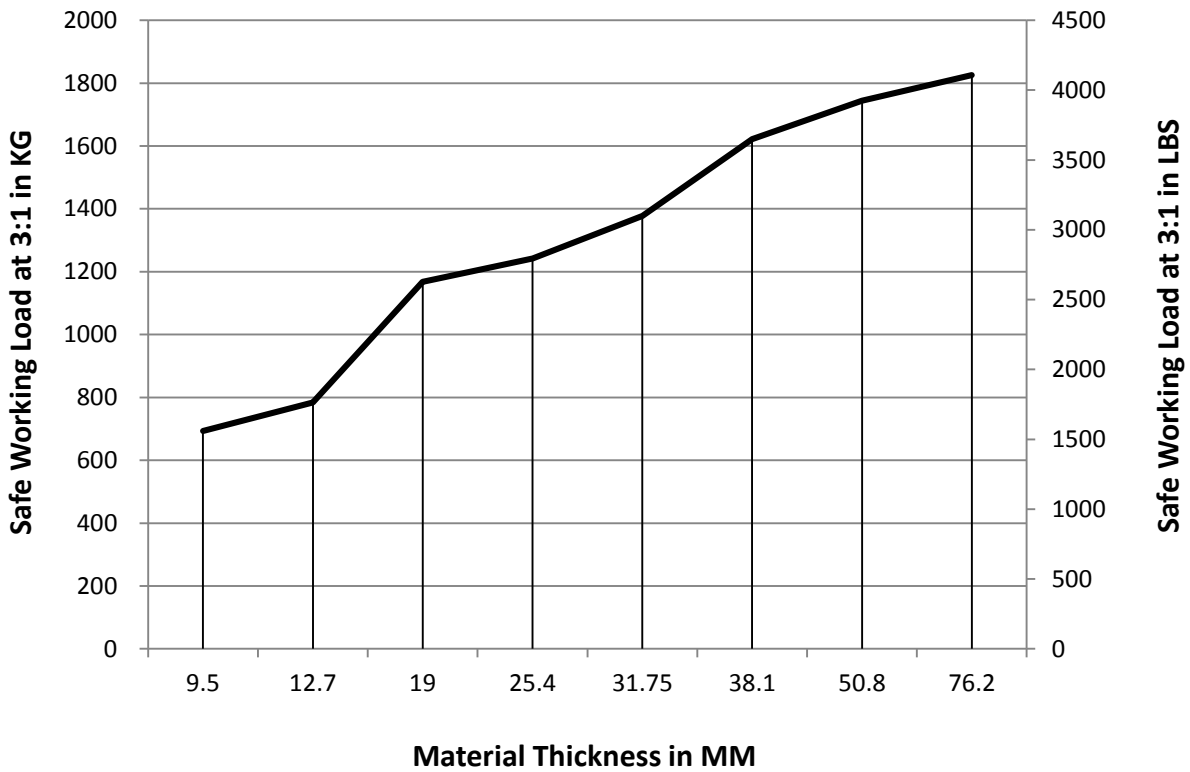


**WORKING SURFACE**  
**BLACK=BEST**  
**GRAY=MODERATE**

SPECIFICATIONS	
<b>P/N: 8100549 - MAGSWITCH MLAY1000x12</b>	
Max Breakaway*	12050 lbs/5477 kg
Safe Working Load*	4016 lbs/1825 kg
Full Saturation Thickness	1.25" / 31.8mm
Max Safe Shear*	1791 lbs/814 kg
Minimum Thickness for De-Stack	1.25" / 31.8mm
Net Weight	120 lbs/55 kg
Mounting Thread	M20x2.5
Overall Height	301.8 mm
Magnetic Pole Footprint	492.75mm x 195.2mm



## MLAY1000x12 Breakaway Vs. Thickness

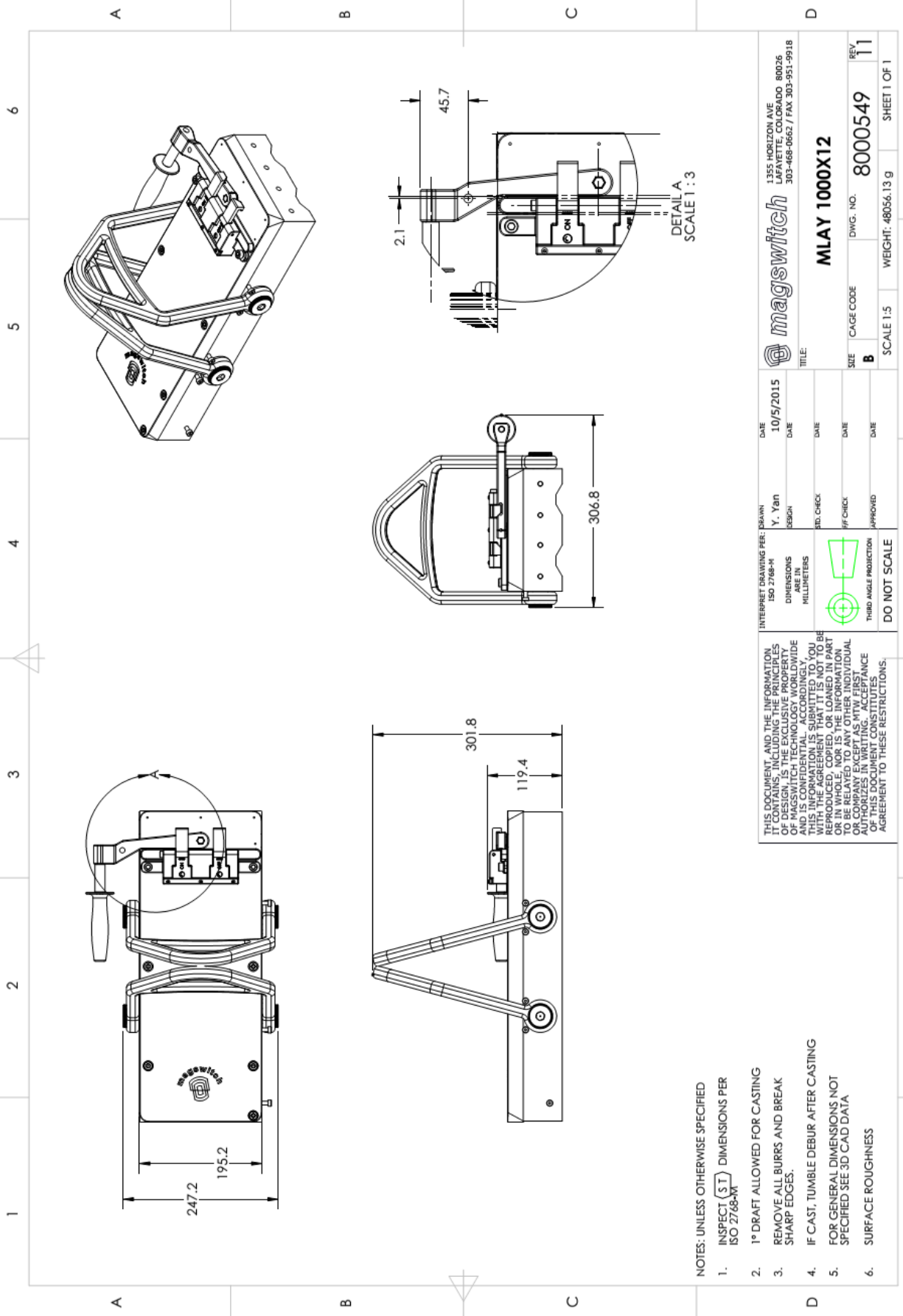


Part Number 110876  
Revision Date: October 5, 2015

\* 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 110876  
 Revision Date: October 5, 2015



- NOTES: UNLESS OTHERWISE SPECIFIED
1. INSPECT (S.T) DIMENSIONS PER ISO 2768-M
  2. 1° DRAFT ALLOWED FOR CASTING
  3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
  4. IF CAST, TUMBLE DEBUR AFTER CASTING
  5. FOR GENERAL DIMENSIONS NOT SPECIFIED SEE 3D CAD DATA
  6. SURFACE ROUGHNESS

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INTERPRET DRAWING PER: DRAWN Y. Yan  
 ISO 2768-M DIMENSIONS ARE IN MILLIMETERS  
 DATE 10/5/2015  
 THIRD ANGLE PROJECTION  
 DO NOT SCALE

**magswitch**  
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 TITLE: MLAY 1000X12  
 SEE CAGE CODE DWG. NO. 8000549  
 SCALE 1:5 WEIGHT: 48056.13 g  
 SHEET 1 OF 1