magswitch®
AT EVERY STEP OF THE WAY

CE 11000

P/N: 8140980

Tool Features

- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- 3:1 safety factor.
- Fails safe – no power required once actuated.
- 300 operation cycles before recharging 8h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min)
- On tool button or by wireless remote control

IMPORTANT note ASME B30.20 standards take precedence over all data provided. We strongly advise operators to be familiar with this standard prior to using any underhook lifter.

- ***Do not actuate the tool off target.***
- ***The magnetic surface of the lifter must be fully covered by the target when it is actuated.***
- ***Reference the chart to see reduced hold force on thinner material.***
- ***Ensure the surface is clean and free of debris to maximize magnetic hold.***
- ***Do not expose standard Magswitch tools to temperatures above 176°Fahrenheit (80°Celsius). High temperatures will permanently degrade the magnet's effectiveness and may result in an unsafe condition.***

Specifications

Maximum Breakaway Force [1,2]	33070lb / 15000kg
Breakaway Force @ SWL 3:1	11023lb / 5000kg
Minimum Thickness for De-Stacking[3] **– VFO capable**	Level 1: 1/4in / 6mm Level 2: 5/16in / 8mm Level 3: 13/32in / 10mm
Charging Supply Voltage	110V/230V
Charging Time	8 hours
Number of Cycles per Charge	300
Net Weight	1146lb / 520kg
Mounting Option	Single Hoist Ring
Hold Surface (L x W)	24.5in x 11.42in / 662mm x 290mm
Dimensions (L x W x H)	29.2 in x 16.1in x 15.6in / 742mm x 410mm x 395mm

1. Determined in laboratory environment on SAE1018 Steel with surface roughness 63 micro inches with optimized pole shoes. Many factors contribute to the actual breakaway force and safe working load in each application. Consult a Magswitch Applications Engineer and test the Magswitch in each application before deployment.
2. All data applies to unit with standard combination V/flat pole shoes installed.
3. Determined with SAE1018 Steel L=200mm W=200mm.
4. Maximum forces listed above are not safe lifting forces. Designer must take into account safety factor when specifying tool. Magswitch recommends SWL = 3:1 for most lifting applications.

$$\text{SWL (Safe Working Load)} = \frac{\text{Maximum Force}^{4}}{\text{Safety Factor } (\geq 3)}$$

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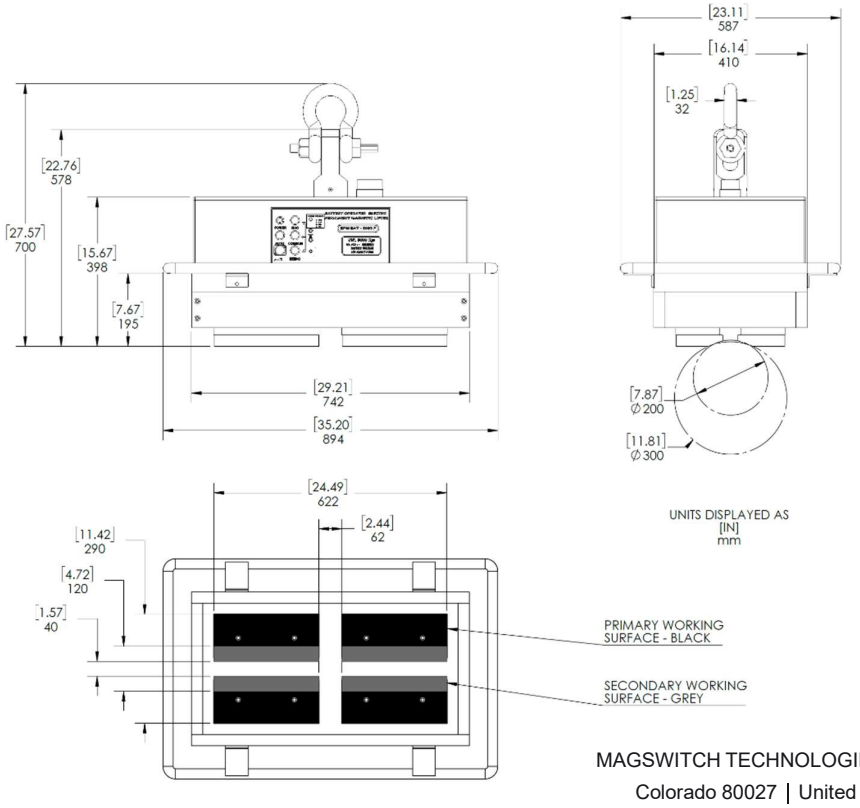
Specifications

CE 11000	Air gap <0.1mm	Air gap 0.1 to 0.3mm	Air gap 0.3 to 0.5mm
Material Thickness mm [in]	Max. Load kg [lbs]	Max. Load kg [lbs]	Max. Load kg [lbs]
4 [0.157]	365 [804]	325 [716]	290 [639]
6 [0.236]	690 [1521]	670 [1477]	640 [1410]
10 [0.393]	1465 [3229]	1435 [3163]	1375 [3031]
13 [0.511]	2095 [4618]	2035 [4486]	1930 [4254]
19 [0.748]	3300 [7275]	3170 [6988]	2945 [6492]
25 [0.984]	4250 [9369]	4075 [8983]	3720 [8201]
38 [1.496]	4715 [10394]	4470 [9854]	3990 [8796]
50 [1.968]	5000 [11023]	4735 [10438]	4265 [9402]



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