magswitch®

AT EVERY STEP OF THE WAY

CE2100

P/N: 8140978

Tool Features

- Automatic on/off actuation when landing and placing the workpiece in *AUTO mode*.
- 3:1 safety factor.
- Fail safe – no power required once actuated.
- 400 operation cycles before recharging 8h by power supply of 110V / 230V.
- Variable Flux Output (VFO) for de-stacking (1/4in min)
- On tool button
- Coming in 2023 – replaceable and part specific Pole shoes

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.

Specifications

Maximum Breakaway Force [1,2]	6300lbs / 2850 kg
Breakaway Force @ SWL 3:1	2100lbs / 950kg
Minimum Thickness for De-Stacking – 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	400
Net Weight	90lbs / 41kg
Mounting Option	Single Hoist Ring
Magnetic Footprint (L x W)	12.6in x 5.1in / 320mm x 129.5mm
Dimensions (L x W x H)	14in x 6.5in x 6.7in / 355,6mm x 165.1mm x 170.2mm

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. 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.

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

MSA MAGNETICS
YOUR SOURCE FOR FORCE

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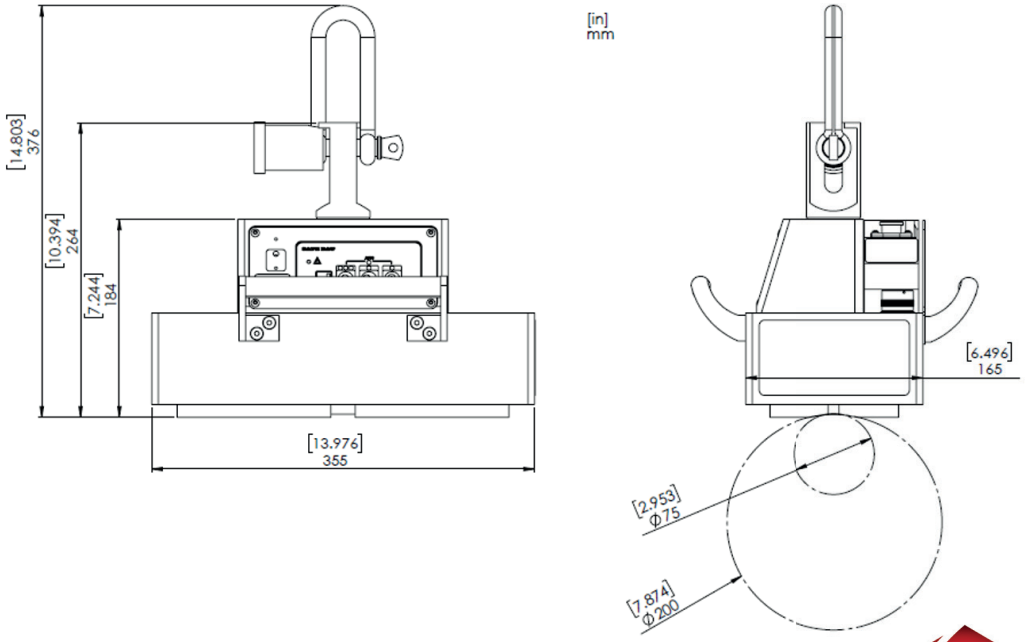
Specifications

CE2100	Air gap <0.04in Air gap <0.1mm	Air gap 0.04 to 0.12in Air gap 0.1 to 0.3mm	Air gap 0.12 to 0.20in Air gap 0.3 to 0.5mm
Material Thickness in [mm]	Max. Load lbs [kg]	Max. Load lbs [kg]	Max. Load lbs [kg]
0.157 [4]	209 [95]	198 [90]	187 [85]
0.236 [6]	418 [190]	407 [185]	385 [175]
0.393 [10]	837 [380]	815 [370]	782 [355]
0.629 [16]	1421 [645]	1366 [620]	1256 [570]
0.787 [20]	1818 [825]	1741 [790]	1598 [725]
0.984 [25]	2017 [915]	1940 [880]	1752 [795]
1.574 [40]	2094 [950]	1984 [900]	1785 [810]

Drawings



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