



AT EVERY STEP OF THE WAY

# CE1100

P/N: 8140977

## 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.
- 800 operation cycles before recharging 2h 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 <sup>1,2</sup>             | 3300lbs / 1500 kg                                                        |
| Breakaway Force @ SWL 3:1                          | 1100lbs / 500kg                                                          |
| Minimum Thickness for<br>De-Stacking – VFO capable | Level 1: 1/4in / 6mm<br>Level 2: 5/16in / 8mm<br>Level 3: 13/32in / 10mm |
| Charging Supply Voltage                            | 110V/230V                                                                |
| Charging Time                                      | 2 hours                                                                  |
| Number of Cycles per Charge                        | 800                                                                      |
| Net Weight                                         | 55lbs / 25kg                                                             |
| Mounting Option                                    | Single Hoist Ring                                                        |
| Magnetic Footprint (L x W)                         | 5.7in x 5in / 144.8mm x 127mm                                            |
| Dimensions (L x W x H)                             | 7in x 6.3in x 5.5in / 177.8mm x 160mm x 140mm                            |

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.

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



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CE1100  
8140977 / REV03

1101663 / REV01

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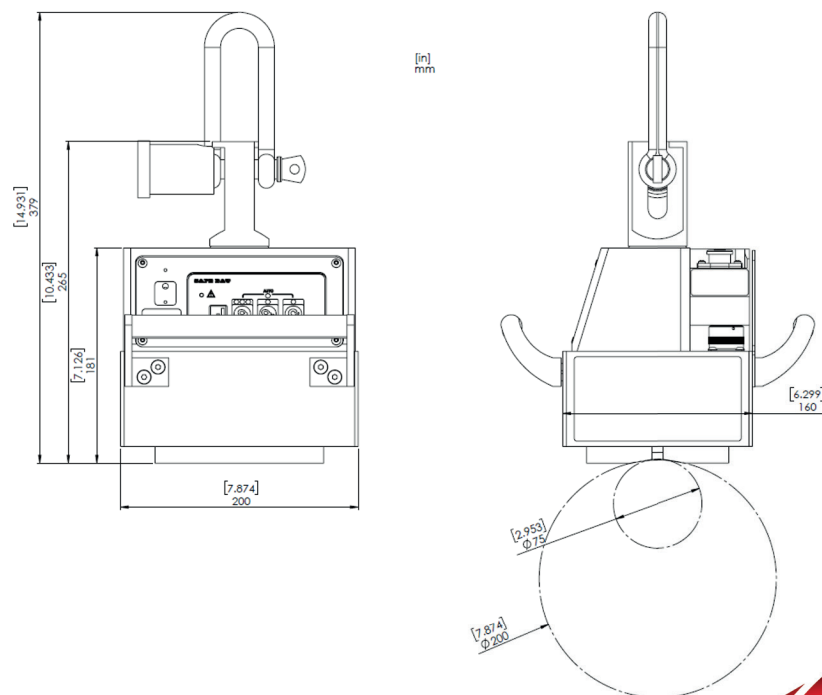
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## Specifications

| CE1100                     | Air gap <0.04in<br>Air gap <0.1mm | Air gap 0.04 to 0.12in<br>Air gap 0.1 to 0.3mm | Air gap 0.12 to 0.20in<br>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]                  | 121 [55]                          | 110 [50]                                       | 110 [50]                                       |
| 0.236 [6]                  | 231 [105]                         | 220 [100]                                      | 198 [90]                                       |
| 0.393 [10]                 | 518 [235]                         | 496 [225]                                      | 451 [205]                                      |
| 0.629 [16]                 | 826 [375]                         | 793 [360]                                      | 727 [330]                                      |
| 0.787 [20]                 | 914 [425]                         | 870 [395]                                      | 793 [360]                                      |
| 0.984 [25]                 | 981 [445]                         | 936 [425]                                      | 837 [380]                                      |
| 1.574 [40]                 | 1102 [500]                        | 1036 [470]                                     | 914 [415]                                      |

## Drawings



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