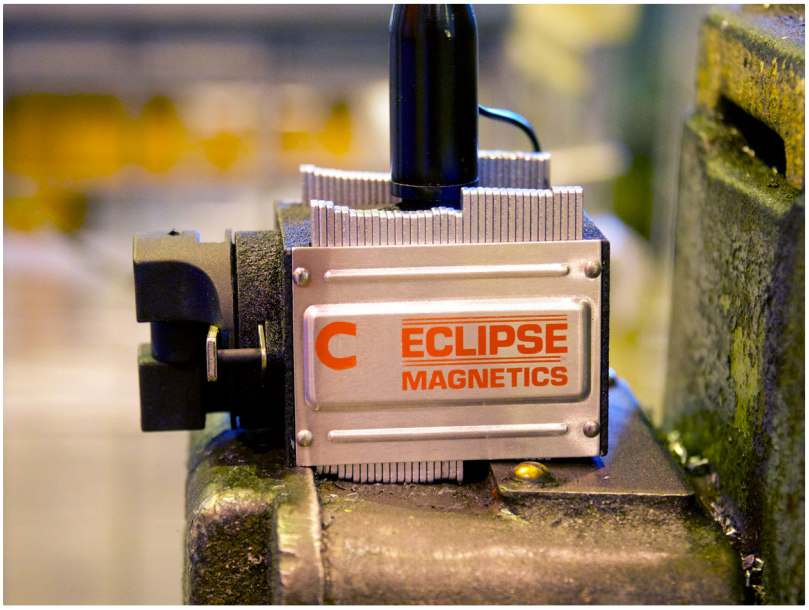
# Datasheet
## Switchable ANYFORM Magnetic Base

ECLIPSE MAGNETICS PRECISION

## Bases Range

### At A Glance

- Pole Profile follows uneven surfaces
- Can set and lock the Pole Profile
- M8 threaded hole for attachments
- Switchable magnetic base
- Up to 50kg (110lb) magnetic hold force




The Switchable ANYFORM Magnetic Base is a unique Magnetic Base that allows you to fit the multiple segment poles against the varying profile of your ferrous part to maximise the clamping force.

The Switchable ANYFORM Magnetic Base has a maximum hold force of up to 50kg (110lb). This magnetic pull force can be easily turned on or off by rotating the switch/toggle between its two positions.

The Switchable ANYFORM Magnetic Base is extremely versatile allowing it to fit against a variety of irregular or uneven surfaces. The toggle switch (rotated to turn the magnetism on or off for clamping) has a lever built into it. Pull the lever out and the multiple nickel plated mild steel plate segments that make up each pole side become free to move slightly. You can extend these multiple segments outward then press the Switchable ANYFORM Magnetic Base against the ferrous profile so the segments start to follow the profile (minimising air gaps in the process). It is possible to manually press down each segment as well to try to maximise contact to the ferrous surface. Once complete, push the lever back in and the profile is mechanically locked into the poles. You can then turn the toggle switch to turn the magnetism on or off.

The Switchable ANYFORM Magnetic Base has a M8 threaded hole at the top to allow any M8 threaded part to connect to it (e.g. for inspection/measurement/lighting).

Please note that the level of magnetic hold is application specific. Any gaps between the clamping pole profile and the ferrous part will cause a reduction in pull force (as will thinner materials being clamped and materials with reduced magnetic permeability).

### Benefits

- Poles can adapt to the profile of the ferrous surface it is put onto
- Ideal for irregular or uneven surfaces
- Switchable so can turn magnetism on/off
- M8 threaded hole for connecting to other parts
- Up to 50kg (110lb) holding force

### Materials

| | |
|---|---|
| Magnetic Material | Ferrite Permanent Magnet Assembly |
| Other Parts | Various, including Mild Steel, Plastic |

### Performance

| | |
|---|---|
| Magnetic Performance | Up to 50kg (110lb) pull force - see next page |
| Magnet Type | Switchable Magnetic Base |
| Temperature Range | -40°C to +80°C (-40°F to +176°F) |

### Maintenance

- There is no specific requirement to regularly inspect this item
- Cleaning of surfaces can be achieved using a cloth (bearing in mind any magnetic face could have sharp debris on it - check before cleaning)

### Suitability

| | |
|---|---|
| Suitable Products | Measurement and Lighting applications |
| Suitable Location | Example - workshop, shop floor, fabrication, Quality Inspection, etc |

### Alternatives

- Magnetic Base with Toggle Switch
- Magnetic Base with Push Button Switch

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A Spear & Jackson Company

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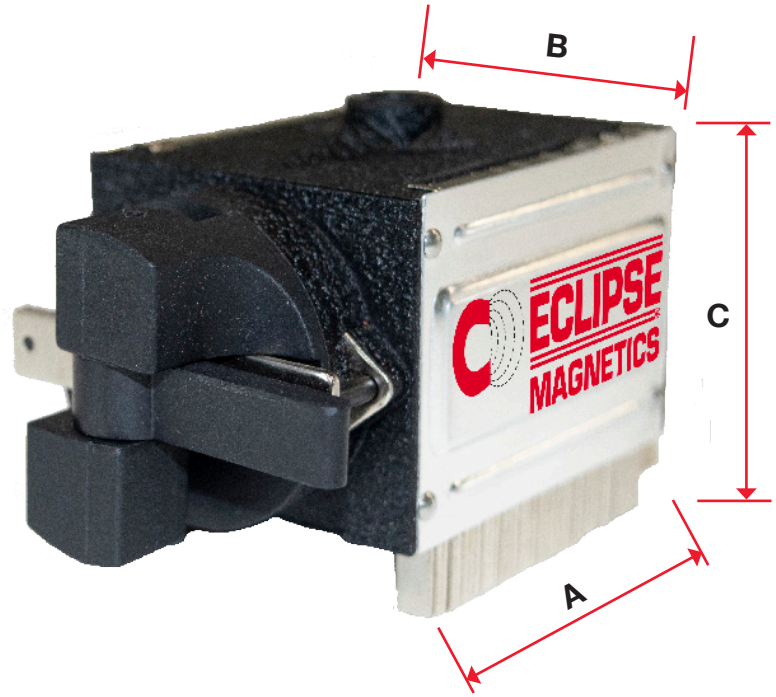


| Product Number | Magnetic Base Details | | | | Weight (kg) | Pull Force* (kg) | Units per Pack |
|---|---|---|---|---|---|---|---|
| | Length A (mm) | Width B (mm) | Height C (mm) | Hole Thread | | | |
| E905WF/AF | 91 | 30 | 55 | M8 | 0.88 | 50 | 1 |

* The Pull Force stated is the maximum each product can pull onto a large high quality mild steel slab (to give relative performance values). In most applications, the magnetic parts will be of varying shapes and sizes with varying magnetic permeability so it should be expected that your application is likely to hold less than the stated values.

For further assistance, please contact sales@eclipsemagnetics.com



Conversions Guide:-

1kg ≈ 2.204lb ≈ 9.806N
1lb ≈ 0.453kg ≈ 4.448N
1N ≈ 0.101kg ≈ 0.224lb

10mm ≈ 0.393in (≈ 25⁄64in)
1in ≈ 25.4mm

(the above conversion values are rounded down)

bsi. ISO 9001 Quality Management FM 31278 ISO 14001 Environmental Management EMS 616377

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