

Datasheet

Mechanical Fitment Stand (Extra Large)



ECLIPSE MAGNETICS



PRECISION

At A Glance

- ✓ Multiple position options
- ✓ Robust arms for optimising position
- ✓ Up to 650mm extension length
- ✓ Switchable magnetic base
- ✓ Up to 130kg (286lb) magnetic hold force

The Mechanical Fitment Stand (Extra Large) is a larger-sized multi-positional Fitment Arm addition allowing the user to mount their component (e.g. measuring device) and set it to the required location. It can also be connected to a switchable Magnetic Base.

The Magnetic Base has a maximum hold force of up to 130kg (286lb). Being switchable, the magnetic pull force from the Magnetic Base can be easily turned on or off simply by rotating the switch/toggle between its two positions.

The RP999L Mechanical Fitment Arm is just the Arm without any Magnetic Base. It has a M10 thread at the bottom to connect to either a Magnetic Base or another component (such as a machine) with a M10 threaded hole.

The E910S is the combination of both the E905WF/130 Magnetic Base with Toggle Switch and the RP999L Mechanical Fitment Arm. The E905WF/130 Magnetic Base has a M10 threaded hole so the M10 thread of the RP999L can screw directly into the Magnetic Base to give a secure attachment.

The RP999L Fitment Arm is 650mm long when fully extended. The Fitment Arm can be tightened to secure its set position - the Fitment Arm is robust for secure location setting. When used with the Magnetic Base, the assembly pulls and clamps to ferrous surfaces with up to 130kg (286lb) holding force (depending on the material properties and the magnetic circuit) - simply toggle the switch to turn the magnetism off and back on again to allow a fast and easy repositioning of the Magnetic Base.

Benefits

- Robust Mechanical Fitment Arm
- Up to 650mm long when extended
- Simply tighten the connections to set and secure the required position
- Easily connected to a Magnetic Base
- Up to 130kg (286lb) holding force when used with a Magnetic Base

Performance

Magnetic Performance	Up to 130kg (286lb) pull force with Magnetic Base (E910L only) - see next page
Magnet Type	Switchable Magnetic Base (E910L only)
Temperature Range	-40°C to +80°C (-40°F to +176°F)

Suitability

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

Materials

Magnetic Material	RP999L - N/A E910L - Proprietary Magnetic Assembly
Other Parts	Various, including Steel, Plastic

Maintenance

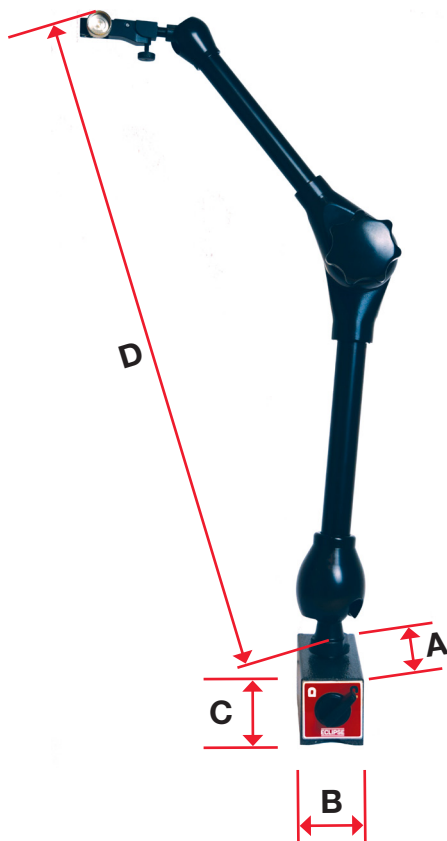
- There is no specific requirement to regularly inspect this item
- Cleaning of surfaces can be achieved using a cloth (bearing in mind any magnetic face could have sharp debris on it - check before cleaning)

Alternatives

- Mechanical Fitment Stands (including Small), Flexible Snake Arm Fitment
- Light Duty, Heavy Duty and Heavy Duty with Fine Adjustment Fitments
- Magnetic Bases with Push Button Switches / Toggle Switches



Mounting /
Measurement Range



Product Number	Fitment Product Used	Fitment Details				Magnetic Base Product If Used	Magnetic Base Details (If Used)					Pull Force* (kg)	Units per Pack
		Maximum Extension D (mm)	Screw Thread	of Clamp Hole (mm)	Weight (kg)		Length A (mm)	Width B (mm)	Height C (mm)	Hole Thread	Weight (kg)		
RP999L	RP999L	650	M10	6.0 / 8.0 / Dovetail (with sleeve)	2.939	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1
E910L	RP999L	650	M10	6.0 / 8.0 / Dovetail (with sleeve)	2.939	E905WF/130	40	40	40	M10	1.900	130	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

Although we have made every attempt to provide accurate information, we do reserve the right to change any of the information in this document without notice.

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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)



FM 31278

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