Datasheet
Heavy Duty Hand-Held Magnetic Pick-Up Tool

ECLIPSE MAGNETICS

WORKSHOP

At A Glance

- Picks up ferrous components easily
- Up to 6kg (13.2lb) hold ability
- Quick-release mechanism
- Tall handle for safety
- Allows for handling multiple small parts

Pick-Up Range

The Heavy Duty Hand-Held Magnetic Pick-Up Tool lets you pick up ferrous items very easily but with the ability to simply pull a small inner handle to quickly release the collected parts.

The Heavy Duty Hand-Held Magnetic Pick-Up Tool is great for picking up lots of small ferrous parts (iron/steel, etc) from stock bins, boxes, etc. It has a handle to allow safe collection and movement of the collected items.

The Heavy Duty Hand-Held Magnetic Pick-Up Tool is a ferrite magnetic assembly that allows an effective, rapid means of lifting small iron and steel parts from stock bins, boxes, trays, etc. Picking up the ferrous items is easy. Releasing the collected ferrous items is also easy.

The tall handle, which gives the user a safe distance from ferrous items to be collected, contains a smaller inner handle which is the quick-release mechanism. Once you have collected your ferrous parts, simply take them to where you wish to release and pull that quick-release mechanism up and away from the magnetic face. As you pull the quick-release mechanism, the internal magnetic circuit changes and the magnetic hold force is reduced allowing the collected parts to fall off.

It can be used to transfer small parts, plates, discs etc from one work area to the next (if safe to do so - noting that a Magnetic Lifter would be the H&S best choice for a safe lift of plate because Magnetic Lifters factor in a 3:1 Factor of Safety when lifting). The Heavy Duty Hand-Held Magnetic Pick-Up Tool can also be used to grab magnetic screws, nails, etc. The hold performance is application specific and will be reduced if the material is less magnetic, if there are air gaps, smaller part being picked, etc. This unit is rated with a 6kg (13.2lb) pull force.

Benefits

- Pick-up ferrous parts such as nails, screws, plates, discs
- Easy to collect and release
- Quick-release mechanism
- Tall handle
- 6kg (13.2lb) pull force rating

Materials

Magnetic Material	Proprietary Ferrite Magnet grade material
Other Parts	Various, including Mild Steel, Plastic

Performance

Magnetic Performance	Up to 6kg (13.2lb) pull force - see next page
Magnet Type	Ferrite Magnet Assembly
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 the magnetic face may have sharp debris on it - check before cleaning)

Suitability

Suitable Products	Ferrous materials (e.g. mild steel)
Suitable Location	Example - workshop, shop floor, fabrication, etc

Alternatives

- Hand-Held Pick-Up Tool
- Magnetic Hand Lifter
- Long Reach Heavy Duty Hand-Held Magnetic Pick-Up Tool
- Magnetic Pick-Up Tool
- Magnetic Pick-Up Wand

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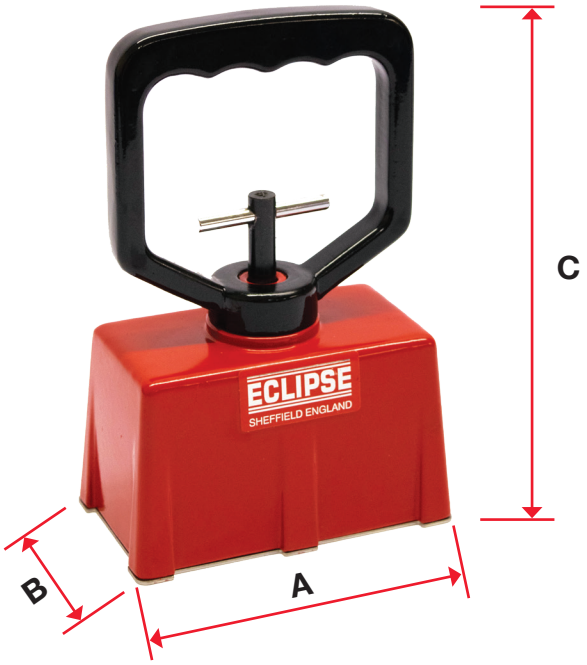

Product Number	Dimensions (mm) Length A	Width B	Height C	Weight (kg)	Pull Force* (kg)	Units per Pack
MPT185	120	70	185	1.13	6	1

* 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.

We cannot accept any responsibility or liability for any errors or problems caused by using any of the information provided.

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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