

Datasheet

Magnetic Sweepers



ECLIPSE MAGNETICS



WORKSHOP

At A Glance

- ✓ Picks up sharp ferrous shards, nails, etc
- ✓ Easily clears work areas, floors, yards
- ✓ Handle-mounted quick release
- ✓ Adjustable telescopic handle
- ✓ Wider versions for larger areas



Pick-Up Range



The Magnetic Sweeper makes collecting small, sharp, potentially damaging or dangerous ferrous parts quick, safe, simple and easy. The design allows for safe and easy depositing of the collected parts without the need to touch any of it.

The Magnetic Sweeper is used to pick up ferrous parts that may have fallen on the floor. If the parts are sharp or dangerous (e.g. shards, nails, screws) or if they are small or plentiful the Magnetic Sweeper can be used to quickly, easily and safely pick them up.

The Magnetic Sweepers have a wheel at each end so you can simply roll them over a surface and they will pick up ferrous parts that they pass over. Each Magnetic Sweeper unit also has a telescopic handle - extend to full length to be able to use the release mechanism (you can then reduce the length for storage if desired).

The handle has a quick release mechanism so you do not need to pull off any collected parts by hand. You simply use the Magnetic Sweeper to collect the ferrous parts then take the Sweeper over to a bin or a tray and use the release mechanism to drop the collected parts into the bin or tray without having to touch the collected parts.

If the parts can be attracted to a magnet (ferrous parts, such as many screws, nails, washers, pins, staples, iron shards, etc), they will be attracted to the underside of the Magnetic Sweeper as it passes over them. Up to 12kg (26.4lb) of ferrous material could be collected (depending on the size, shape and magnetic properties of the material). If the parts are weakly magnetic they will not attract as well as strongly magnetic parts. The smaller units are ideal for small areas such as walkways, around workshop machines, farrier areas, etc. The larger units are used to cover wider areas such as yards, sports pitches, car parks and lorry depots (to help to prevent tyre punctures).

Benefits

- Collect ferrous debris from large areas quickly and easily
- No need to touch the ferrous parts due to quick release handle
- Adjustable telescopic handle
- Wheels allow you to simply roll the Sweeper closely over the surface

Materials

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

Performance

Magnetic Performance	Up to 12kg (26.4lb) pull force - see next page
Magnet Type	Permanent Magnet Sweeper
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 but that can be dropped using the quick release mechanism)

Suitability

Suitable Products	Ferrous materials (e.g. mild steel)
Suitable Location	Example - car parks, walkways, lorry depots, work areas, sports pitches, farrier areas, yards, etc

Alternatives

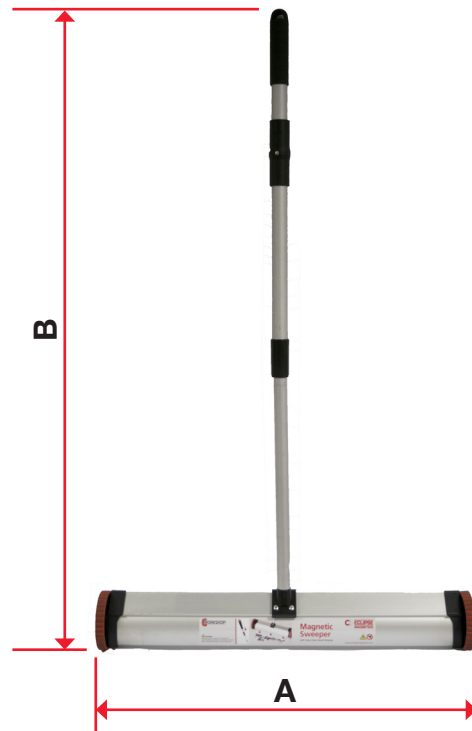
- Forklift Mounted Magnetic Sweeper (very large areas, collecting big parts)
- Magnetic Pick-Up Tool (large round head with long reach for smaller areas)
- Magnetic Pick-Up Wand (for small parts, chips & swarf in containers)

Eclipse Magnetics Work Smart with Magnets

Atlas Way, Atlas North, Sheffield, S4 7QQ, England ☎ +44 (0)114 225 0600 📠 +44 (0)114 225 0610 ✉ info@eclipsemagnetics.com 🌐 www.eclipsemagnetics.com



A Spear & Jackson Company



Product Number	Dimensions (mm)		Weight (kg)	Pull Force* (kg)	Units per Pack
	Width A	Height Including Handle B			
MSW385	400	1050	1.225	2	1
MSW620	615	1050	1.925	8	1
MSW940	940	1050	2.695	12	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)



FM 31278 EMS 616377