

Magnetic Sweepers

Hand Held Magnetic Sweepers provide the perfect solution to the problem of clearing small ferrous metal objects, such as nails, tacks, nuts, bolts, paperclips and metal shavings from a workshop or garage floor to leave the floor area clean and tidy. Farriers and horse owners also use the Hand Held Magnetic Sweeper for removing nails and other metal objects from bedding and courtyards, reducing the risk of foot injuries to the horse. It is also sometimes called a magnetic broom.

The sweeper is of stainless steel construction, fitted with two large robust rubber wheels with puncture proof-tyres. The long tubular steel handle can be removed for transportation. The handle also contains the release mechanism for allowing collected debris to be dropped into a bin with a simple pull of the mechanism. Fully extended height 1100mm. Length 100mm. Width 400mm. The width of the magnetic head itself is 350mm with the magnet system inside capable of lifting up to 5kgs of metal debris.

To pick up ferrous debris, fully extend the handle and twist to lock in an extended state, then simply roll the Hand Held Magnetic Sweeper over the area to be cleared – it really is that simple! And removal of the collected debris from the sweeper is also easy. The debris can be collected, taken to a bin and released into the bin with no need to have fingers touching the debris.

There is a black plastic collar on the handle shaft which is the release mechanism. This black collar is pulled upwards towards the end of the handle (there is an arrow on this collar showing the direction to be pulled). Pulling the collar causes the magnets inside the sweeper to be physically moved away from the collection surface creating an air gap which reduces the magnetic attraction forces on the collecting surface – the ferrous debris is no longer held with such force and falls away from the



surface by gravity. When the collar is pulled the release mechanism is activated and the magnetic pull is said to be 'turned off' – it isn't really off; the magnetic circuit direction has changed so less pull is noticed at the surface. Very fine debris may still remain on the surface of the sweeper due to retained magnetism but these can be easily wiped away if required (they will not affect the performance of the unit). When the release mechanism is deactivated (by allowing the collar to fall back down) the magnetic pull is fully functional again at the collection surface and the unit is ready to collect more ferrous debris. The process of releasing debris and getting the unit ready to use again is quick and simple – it can be done in under ten seconds.

The Hand Held Magnetic Sweeper requires no external power to operate – permanent magnets provide all the performance. Ferrous collection is fast and simple to perform.

Part number	Part number	Mounting	Pull force
MAGSWEEP400	400mm Wide	Manual Use Only	5kg Pull Force



A 325mm long stainless steel encased magnetic sweeper ideal for picking up swarf in the workshop environment. The central 300mm is magnetically active. Simply hold the Workshop Handheld Sweeper by the handle and move towards the ferrous materials you wish to pick up. The side opposite the handle is where the active magnetic strip exists (the magnetic face is 30mm wide). After sweeping, simply wipe the collected material away (a cloth is all that is required). The Workshop Handheld Sweeper will clamp strongly onto metal sheets and plates, allowing easy storage against e.g. cabinets.



The Workshop Handheld Sweeper can also be used in offices, at home and in factory shop floors.

It is possible to produce stronger versions of this unit with the same overall dimensions. If interested, please contact us for a quotation.

Part number	Part number	Mounting	Pull force
MAGSWEEP325WORKSHOP	325mm L x 30mm W	Hand held	Variable



Our Standard Forklift Magnetic Sweeper is simple in design, easy to operate, robust and extremely effective at sweeping large areas.

Designed to be easily mounted onto universal forklift trucks, the forklift sweeper is fitted directly onto the forks using two 180mm wide pockets.

The magnet is constructed using a heavy duty mild steel back bar enclosed in a stainless steel case giving excellent durability. The fork mounted sweepers are available in a range of widths starting from 600mm wide, up to 2100mm wide however our most popular size is the 1200mm wide sweeper.



Part number	Dimensions	Mounting	Sweeping height
MMSW-60	600 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-90	900 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-120	1200 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-150	1500 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-180	1800 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-210	2100 x 125 x 65mm	Forklift Mounting Only	75mm



This sweeper is the same basic sweeper as the Standard Forklift Sweeper but is fitted with a non-magnetic stainless steel plate to allow for the easy removal of extracted magnetic materials.

The fork mounted sweepers are available in a range of widths starting from 650mm wide, up to 2150mm wide.

The recommended sweeping height for these units is 75mm.



Part number	Dimensions	Mounting	Sweeping height
MMSW-60-EC-1	600 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-90-EC-1	900 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-120-EC-1	1200 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-150-EC-1	1500 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-180-EC-1	1800 x 125 x 65mm	Forklift Mounting Only	75mm
MMSW-210-EC-1	2100 x 125 x 65mm	Forklift Mounting Only	75mm



The Combi Forklift Truck Magnetic Sweeper has been specifically manufactured so that it can either be easily fitted onto a Forklift Truck or used manually with the addition of a simple to fix handle.

The magnet system design allows for industrial heavy duty magnetic sweeper use. The Forklift Truck Magnetic Sweeper has two mounted brackets for the fork tines to slide through. The standard distance between the midpoints of the brackets is 70cm, although this can be changed upon request. The Forklift Truck Magnetic Sweeper is held in place on the fork tines by tightening the bolts which are part of the mounted brackets.

By simply using eyebolts in the sleeves on the top of the sweeper the Forklift Truck Magnetic Sweeper can be used with other devices such as gantry cranes or it can be mounted elsewhere on the Forklift Truck. The eyebolts allow connection by using hanging chains or rope. The eyebolts of the Forklift Truck Magnetic Sweeper assembly could also be used to connect to other moveable equipment e.g. at the front of industrial cleaning equipment, trolleys, etc. Ideally the Forklift Truck Magnetic Sweeper is swept over the ground about to be covered by the moving object to collect ferromagnetic debris before it can puncture the wheels of the moving object.

The Forklift Truck Magnetic Sweeper is robust in design, with the magnets enclosed in a protective steel case to minimise damage during heavy duty magnetic sweeping. The steel case is easily cleaned, making maintenance simply and fast.

The Forklift Truck Magnetic Sweeper picks up ferrous material from approximately 75mm to 100mm away from the surface.



The Forklift Truck Magnetic Sweeper's heavy duty magnetic design effortlessly picks up ferromagnetic shards, nuts, bolts, pins and nails (non-magnetic materials such as aluminium, copper, some stainless steels, etc are not attracted to magnets and remain uncollected). In areas where tyre punctures are known to occur due to ferromagnetic materials piercing the tyres, the Forklift Truck Magnetic Sweeper may provide a cost saving plus a reduction in downtime.

The Forklift Truck Magnetic Sweeper is ideal for large warehouses, car parks, service bays, paths, metal recycling plants, factories and runways etc.

For instances where a forklift truck cannot operate safely or if there is no forklift operator available the Combi sweeper can be simply and quickly turned into a manual hand operated sweeper. The handle which is supplied with the sweeper is simply bolted into place and away you go. Wheels are permanently fixed to the sweeper allowing accurate control of sweeper during manual operation.

Part number	Part number	Mounting	Sweeping height
MAGSWEEP48CU3	1300 x 120 x 120mm	Forklift Mounting or Manual Use	100mm

