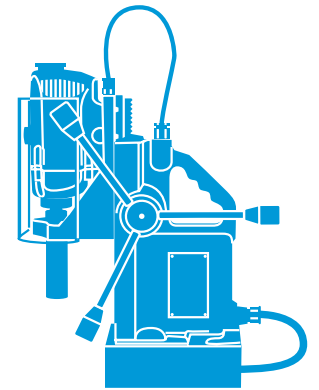


HSS Hire



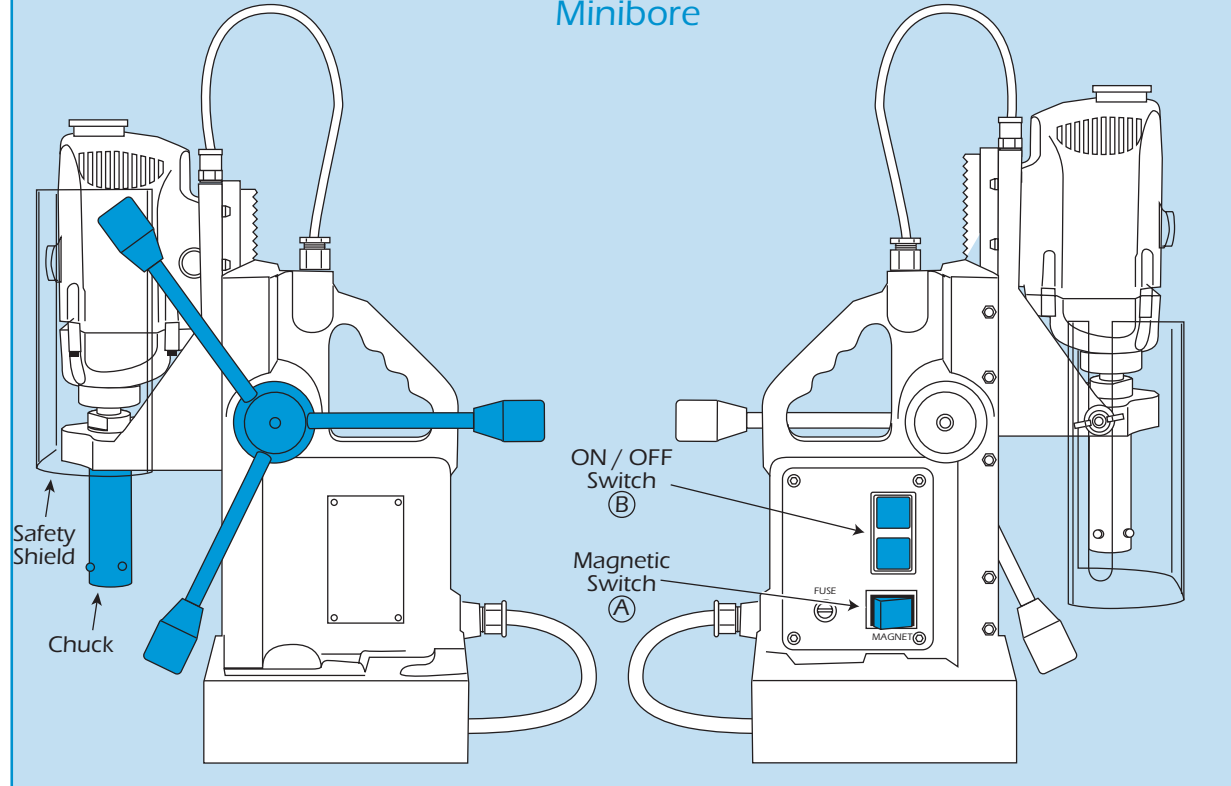
Magnetic Broaching Machines

Portable milling machines for boring accurate holes in steel.



RCD
Code 01451/01521

Minibore



suitable anchor point). Take up any slack in the chain and clip the carabina hook through a convenient link in the free end of the chain.

Note: on fixed base units the base must be positioned exactly, on the adjustable base unit any inaccuracy can be compensated by loosening the base lock lever 1/4 of a turn, manoeuvring the unit, then re-locking the base.

Select the correct speed for the cutter you are using, refer to the guide on the front of the motor unit. Note that the Minibore unit has a single speed only.

To change the gear speed turn the selector lever 90 degrees to horizontal, then move the whole selector either up or down, then turn the lever back to the vertical. That done, move the variable speed control to the correct 'E' number (between 1 & 6).

If you are cutting on top of a surface fill the oil reservoir via the oil fill slot, as the pilot is depressed the oil will be fed automatically to the cutter.

If cutting on a vertical surface or over head, oil will have to be fed manually, and great care must be taken to ensure the oil does not 'run' back into the motor unit.

BASIC TECHNIQUES

The power unit is fitted with a No Volt Return (NVR) switch (b), which switches to the OFF position if the power supply is interrupted. Push the green button to start and the red to stop. NOTE: the magnet will remain in the on position.

Slide the safety guard into position. Switch the unit on and where applicable spray the cutter with cutting oil.

Apply light pressure to the cutter until the cut is established, then increase the pressure slightly to progress.

Applying too much pressure will not increase the speed of the cut but will damage the cutter.

When the cut is completed, raise the cutter clear of the hole before switching the power unit OFF.

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease, assume you have the wrong tool for the job. Ask at

your local HSS Hire for advice.

Always switch OFF the power unit before making any adjustments to it.

Always use the correct cutting oil and refill the reservoir as soon as it becomes empty. **Never use the miller without cutting oil.**

After each cut, clear the plug from inside the cutter and the work area of swarf.

Keep the equipment clean. You will find this less of a chore if you clean up regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

FINISHING OFF

Switch OFF the power unit, support the miller remove the safety chain then switch OFF the magnet.

Remove any cutter and pilot, neatly coil the flex and place the miller in its case ready for return to your local HSS Hire.



... have you been trained

The law requires that personnel using this type of equipment must be competent and qualified to do so. Training is available at HSS Training Solutions 0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Web Site: <http://www.hss.com>

GENERAL SAFETY



For advice on the safety and suitability of this equipment contact your local HSS Hire.

Keep children, animals and bystanders away from the work area.


Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.


This equipment should only be used by a competent person who has read and understood these instructions.



Ensure the work area is well lit and ventilated. Do not drill near flammable gasses or liquids.


  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Safety Goggles MUST be worn by everyone in the work area.

 **NOTE:** Some materials contain substances which, when drilled, can be harmful to health. A suitable mask must be worn when using this equipment.

 **NOTE:** This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

   Wear practical, protective clothing, gloves, hard hat and footwear. Avoid loose garments and jewellery that could catch in moving parts.

 These machines are heavy, always seek assistance lifting and manouvering.

Never operate this machine with people working below, Cordon off a safety area.

Always stand to the side of the machine when in use, to safeguard the operator against falling debris.

Ensure the machine is switched OFF before plugging it in to its power supply.

Check the equipment before use. If it shows signs of damage or excessive wear, return it.

If working above ground-level, work from a suitable, stable platform - an access tower for example. Never work from ladders or steps.

Information on COSHH regulations is available from your local HSS Hire.

ELECTRICAL SAFETY

Most HSS power tools plug into a standard 13amp power socket. However, 110v tools (with a round yellow plug) must be provided with a suitable 110v


generated supply, or powered from the mains via a suitable 110v transformer.

If the tool fails, or if its flex or plug gets damaged, return it. Never try to repair it yourself.

Keep the flex out of harm's way, and keep it clear of moving parts.

Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

Using electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from your local HSS Hire, or power 240V (Not 110V) equipment from a power circuit with a built-in RCD.

Siting an RCD

When used with a transformer an RCD will only protect the user if fitted between the transformer and the tool being used.

An RCD fitted between the power supply and the transformer only protects up to the transformer.



Never carry or pull the equipment by its flex.

To avoid injury due to power failure always secure the unit to the workpiece using the chain and carabina hook supplied.

GETTING STARTED

Fit the miller with the appropriate cutter and pilot.

With the machine switched OFF and isolated from the power supply, loosen the 2 allen grub screws on the chuck (be careful not to completely remove them). Insert the pilot, point down, into the cutter from the top (see diagram).

Now insert the cutter into the chuck, lining up the 2 flat faces with the grub screws. Holding the cutter in place, tighten the grub screws to hold the cutter firmly in place, then remove the allen key!

Wearing gloves, clear any dirt or swarf from the base of the magnet and the surface of the work.

Plug the unit into a suitable power supply. Then place the unit in the correct position for drilling and activate the magnet by moving switch a) to ON.

Attach the safety chain by looping it through the handle of the unit and around the workpiece (or other

