



Using the Pipe Threader

1. Wear protective equipment especially goggles. The machine will throw out small sharp hot shards of metal when cutting.
2. The rotation of the chuck and pipe is slow but very powerful. It will not stop until switched off. Keep hands out of the way. Take all necessary safety precautions regarding other people.
3. Use the proper pipe stands when working with long lengths of pipe. Set them up correctly.
4. Before starting, check the correct chuck rotation and speed has been selected and all other controls are set correctly.
5. The machine may be fitted with a footswitch to start and stop the chuck. This is a safety device; it requires the operator to depress the switch with his foot to run the machine. The threader will stop as soon as the footswitch is released. Do not jam or wedge this safety device in the 'on' position. Do not hold it in the 'on' position with a block of steel or any other heavy weight.
6. Switch off and unplug before making adjustments.
7. The chuck will continue to rotate for a few seconds after it is switched off. Do not try to stop it by grasping the pipe or chuck with your hands. Wait for it to stop completely before doing anything.
8. Keep the cable clear of the rotating parts including the pipe.
9. If the cable appears to be cut or damaged in any way, switch off and unplug at the mains before inspecting it. If the cable attached to the machine is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
10. Take care not to accidentally pull the plug from the switch.
11. Switch off and remove the plug before leaving the machine unattended.
12. If the equipment does not work properly, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference



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Floor Standing Pipe Threader

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Pipe Threader

1. Always plan the job and envisage any problems in order that they may be dealt with safely.
2. Electricity can be hazardous and must always be used with great care.
3. The pipe threader is designed to cut threads on metal pipe, conduit or bolts. It will also cut off lengths of pipe or conduit.
4. The action of the machine can cause injury or damage or both if the machine is not used in a careful and controlled way.
5. If you have not used a pipe threader before, familiarise yourself with the machine on some straightforward work before commencing on the main task.
6. The following items of personal protective equipment are the minimum that is required: Impact resistant Goggles, Gloves, rcd if using a 230 volt (mains) supply.
7. This machine must not be used minors or by anyone under the influence of drugs or alcohol.
8. The broaching machine is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must see expert advice before using the machine.



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Useful Reference Points • www.hse.gov.uk/electricity/information/construction.htm

WORK AREA

1. Do not use the pipe threader where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
2. Ensure the work area is clear and safe and no-one is close by who could cause distraction.
3. Warn others to keep away and erect barriers around the work area to prevent anyone being injured by the pipe or machine while it is working.
4. Protect other people from the hot steel shards thrown out while the machine is working.

OPERATORS

1. The following items of personal protective equipment (PPE) are the minimum that should be worn whenever using the plate compactor. Particular jobs or environment may require a higher level of protection.
2. Impact resistant goggles should always be worn when working with the machine.
3. Any one who is working close by will also need to wear appropriate personal protective equipment.
4. Ensure there is no loose clothing or jewellery that could be caught in the machine. Ensure long hair is tied back.

PIPE THREADER

1. Check the machine, cables, plugs and guards. Do not use anything found to be damaged - contact the hire company.
2. If the machine has guards covering the chuck and other rotating parts, ensure they are in place before starting.
3. Check the plug on the machine matches the supply. Do not try to force connections or improvise them.
4. Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if the machine is to be powered from a

Before Starting Work...



normal mains 230v supply. If a portable transformer has been supplied take care when moving it about - ask for assistance as it may be too heavy for a single operator to move. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted or a blue industrial plug.

5. The threader may have a voltage selector switch enabling it to run on both 110v and 230v. Ensure the switch has been set to match the electrical supply.
6. The threader may have a foot switch, which must be depressed with the foot to start, and released to stop the machine. This is a safety device and must not be misused.
7. Check the amount of cutting oil in the tank regularly and top up when required. Use only the cutting oil recommended by the hire company.
8. Ensure you understand all of the controls. Before switching the pipe threader on, know how to stop it.

Rotating Pipe - Precautions

1. If threading long pieces of pipe take precautions against potential hazards.
2. Keep other people safe from any length of rotating pipe that is protruding from the back of the machine. Erect barriers or a fence to prevent access to the work area. Put up warning signs on the barriers / fence.
3. Dependent on the length and diameter of the pipe being worked with, suitable pipe

stands will be required to support the pipe at the back of the machine. These pipe stands must support the pipe properly.

4. They must be so positioned to ensure the pipe is straight and in line with the chuck and spindle so that the pipe can rotate freely without being under stress.
5. Do not use makeshift supports for the pipe. Contact the hire company for advice about the pipe stands if in any doubt.
6. If the pipe is long and badly supported or not supported at all, it will rotate eccentrically and buckle, causing injury or damage or both.

ELECTRICAL SAFETY

The threader may have a voltage selector switch enabling it to run on both 110v and 230v. If it has no selector switch the machine will only operate on one voltage: it will be either 110v or 230v. 110v machines will have a yellow industrial plug fitted. 230v machines will have either a normal square pin plug fitted or a blue industrial one. Read the instructions below for the machine.

110 VOLT MACHINES (YELLOW PLUG)

1. If using a portable transformer, plug the transformer directly into the 230v socket. Do not use any 230v extension cables.
2. If an extension cable is required to be used, follow any special instructions given by the hire company. If the hire company has not given any special

instructions, use a suitably heavy duty 110v extension cable no longer than 50 metres (160 feet). The extension cable must only be used between the transformer and the machine.

3. Lay the extension cable out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped and places where vehicles may run over it. Unroll it fully or it may overheat and catch fire.
4. Ensure any extension cable connections are dry and safe.

230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)

1. Use a residual current device ("RCD") plugged directly into the 230v socket. Plug the machine into the RCD - this will help protect against electric shock if the cable or machine is damaged.
2. Use the "TEST" button to check the RCD is working each time it is used. Reset the RCD according to the instructions supplied with it.
3. If an extension cable is required follow any special instructions given by the hire company. If the hire company has not given any special instructions use only a suitably rated heavy duty extension cable no longer than 50 metres (160 feet). Plug it directly into the RCD.
4. Lay out the extension cable carefully avoiding liquids, sharp edges, doorways or windows where it may become trapped and places where vehicles may run over it. Unroll the cable fully or it may overheat and catch fire.
5. Ensure the extension cable connections are safe and dry.

