For guidance on managing construction health risks go to
www.hse.gov.uk/construction

Redistributed under licence from HAE by South West Hire and Sales. Licence expires on 31/08/2024

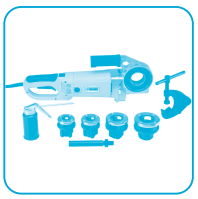
0701 Safety Guidance
HAND HELD
v:012017

SOUTH WEST HIRE & SALES

Hand Held 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. Plan your work and think ahead to make sure you will always be working safely.
2. Electricity can be hazardous and must always be used with great care.
3. Pipe threaders are designed to cut threads on metal pipe or conduit.
4. The action of this machine can cause injury or damage if it 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 you start on the main task.
6. You must have at least the following items of personal protective equipment: impact resistant goggles; gloves; rcd if using a 230 volt (mains) supply.
7. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This machine is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting material is accurate and not misleading. HAE/EHA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments have the force of law and only the courts can authoritatively interpret the law.

HAE HIRE ASSOCIATION EUROPE
Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solihull B37 7YE
Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

Any unauthorised reproduction – manually or electronically – is STRICTLY prohibited
©Copyright Hire Association Europe April 2011

Using the Pipe Threader

1. Wear your protective equipment especially goggles. The machine will throw out small sharp hot shards of metal when cutting.
2. The rotation of the diehead is slow but very powerful. It will not stop rotating until switched off. Take care to keep hands out of the way especially when applying cutting oil to the pipe.
3. Securely clamp the pipe you are going to thread. If the pipe is already part of a fixture, make sure it is firmly in place and cannot rotate.
4. Firmly clamp the support arm on the end of the pipe.
5. Locate the support arm in the slot on the threader then push the diehead squarely and firmly onto the end of the pipe.
6. Use an oilcan or oil spray to apply cutting oil to the threads you are cutting to cool and lubricate the pipe and the die.
7. Before starting, check you have selected the correct rotation and that all other controls are set correctly.
8. Hold the threader firmly with both hands while threading.
9. Switch off and unplug before making adjustments.
10. The machine will continue to rotate for a few seconds after you switch off. Wait for it to stop completely before you do anything.
11. Keep the cable clear. Make sure it is not snagged anywhere while moving the threader.
12. If you think the cable may 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.
13. Take care not to accidentally pull the plug from the socket.
14. Switch off and remove the plug before leaving the machine unattended.
15. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.
16. You may want to read this leaflet again. Please keep it until you finish work.

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

HAE HIRE ASSOCIATION EUROPE
Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solihull B37 7YE
Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

v:012017

Before Starting Work...

WORK AREA

1. Do not use this pipe threader where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
3. Protect other people from danger; warn others to keep away.

OPERATORS

1. The following items of personal protective equipment (PPE) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
2. You must wear impact resistant goggles when you are working with this machine.
3. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
4. Make sure you are not wearing loose clothing or jewellery that could be caught in the machine. If you have long hair, tie it back.

PIPE THREADER

1. Check your machine, cables, and plugs. Check that the support arm is working properly. If anything is found damaged, do not use the pipe threader - contact the hire company.
2. Check that the plug on your machine matches your supply. Do not try to force connections or improvise them.
3. 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 you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about - it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
4. The pipe or conduit you are threading must be clamped firmly or held in a vice, unless it is a firm part of a fixture.
5. The support arm is designed to absorb the reaction as the threader cuts the pipe. It prevents the machine from driving itself round the pipe.
6. The support arm must be firmly clamped about 100mm (4 inches) from the end of machines will have a yellow industrial plug fitted. 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

110 VOLT MACHINES (YELLOW PLUG)

1. If you are using a portable transformer, plug the 230 volt socket. Do not use any 230v extension cables.
2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty 110v extension cable, not longer than 50 metres (160 feet). You must only use an extension cable 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 might run over it. Unroll it fully or it will overheat and could catch fire.
4. Make sure that 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 in to the 230volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.
2. Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the rcd.
4. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
5. Make sure that any extension cable connections are dry and safe.

ELECTRICAL SAFETY

Your machine will only operate on one voltage: it will be 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 plug. Read the instructions below for your machine.

110 VOLT MACHINES (YELLOW PLUG)

1. If you are using a portable transformer, plug the 230 volt socket. Do not use any 230v extension cables.
2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty 110v extension cable, not longer than 50 metres (160 feet). You must only use an extension cable 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 might run over it. Unroll it fully or it will overheat and could catch fire.
4. Make sure that 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 in to the 230volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.
2. Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the rcd.
4. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
5. Make sure that any extension cable connections are dry and safe.

Useful Reference Points • www.hae.org.uk/businessguard