



Using the Hydraulic Pipe Bender

1. Wear your gloves.
2. Keep other people clear.
3. Use the equipment only as specified by the manufacturers or the hire company.
4. Always operate from a safe position, usually from behind the handle on the equipment.
5. Only use the correct attachments and accessories as supplied by the hire company. Do not use pieces of metal as wedges or packing. If something comes loose and flies out it could cause injury.
6. Do not put your hand where it could get caught as you operate the pipe bender. The pressure could easily crush it.
7. If two persons are working as a team, each must be aware of the potential hazards, to himself and the other person.
8. Do not attempt to move or reposition the pipe while it is under pressure.
9. Do not try to bend more than one pipe at a time.
10. Do not try to bend cast steel pipes - they will shatter and fragment.
11. Stop work and release the pressure if someone approaches you.
12. Switch off and remove the plug before making any adjustments. Make sure the pressure is released first.
13. If you think the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the pipe bender is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
14. Release the pressure, switch off, and unplug before leaving the machine unattended.
15. After work, release the pressure and remove any pipes. Store the hydraulic pipe bender safely away - do not leave it in the middle of your work area.
16. If your 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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Hydraulic Pipebender

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 Hydraulic Pipe Bender



1. Electricity can be hazardous and must be used with great care.
2. The hydraulic force generated to bend pipes is very high, keep your fingers away from where they could be crushed.
3. This hydraulic pipe bender is designed to bend gas, water and similar metal pipes of various diameters using the appropriate attachments.
4. The action of this hydraulic pipe bender can cause injury or damage if not used in a careful and controlled way.
5. If you have not used a hydraulic pipe bender before, familiarise yourself with the equipment before you start work.
6. Plan your work and think ahead to make sure you will always be working safely.
7. You will need as a minimum the following items of personal protective equipment: gloves; rod if using a 230 volt (mains) supply.
8. This hydraulic pipe bender must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. This hydraulic pipe bender is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using it.



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230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)

1. Use a residual current device (RCD) plugged directly into the 230V socket. Plug your machine into the RCD.
2. This will help to protect you against electric shock if the cable or machine get damaged. 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 has not given any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and over it. Unroll it fully or it will overheat and could catch fire.
4. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and 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.

HYDRAULIC SAFETY

1. Hydraulic oil is hazardous, keep it away from your eyes and mouth, wash it off your skin immediately. Do not remove the filler plug, or try to top up the oil level while the bender is pressurised.
2. Lay the extension cable out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where it could be trapped. If you think the equipment requires oil, contact the hire company. You must use the correct hydraulic oil.
3. If your equipment develops a leak, release the pressure safely and contact the hire company.
4. Make sure that any extension cable connections are dry and safe.

110 VOLT MACHINES (YELLOW PLUG)

1. If you are using a portable transformer, plug the transformer directly into 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 has 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 it could be trapped. If you think the equipment requires oil, contact the hire company. You must use the correct hydraulic oil.
4. Make sure that any extension cable connections are dry and safe.

ELECTRICAL SAFETY

works - before you use it, you must understand how to use it safely.

1. The machine will only operate on one voltage; it will be 110V or 230V. 110V machines will have a yellow industrial plug fitted or a blue industrial plug fitted. 230V machines will have either a normal square pin plug fitted or a blue industrial plug fitted. Read the instructions below for the machine to be used.
2. Do not try to bend pipes that exceed the maximum diameter marked on the equipment.
3. The following items of personal protective equipment (PPE) are the minimum that should be worn whenever you use the hydraulic pipe bender. Particular jobs or environments may require a higher level of protection.
4. Wear strong gloves when handling pipes or operating the machine.
5. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
6. Check your hydraulic pipe bender, cable, plug, and attachments. If anything is found damaged, do not use the pipe bender - contact the hire company.
7. Check that the plug on your pipe bender matches your supply. Do not try to force connections or improvise.
8. Pipe benders with a cylindrical yellow industrial plug fitted are designed to run off a special 110V supply. The hire company will have supplied different diameters of pipe and to bend them to a different radius. Contact the hire company if you need any other forms.
9. The hire company will have supplied forms to enable you to bend different diameters of pipe and to bend them to a different radius. Contact the hire company if you need any other forms.
10. Check on how your equipment

Before Starting Work...

1. Make sure that your work area is clear and safe and that no-one is near to you or could distract you. Warn others to keep away, put barriers around your work area.
2. Set up the hydraulic pipe bender on a flat hard surface in your work area.
3. Keep the surrounding area free of clutter to enable you to continuously move around the hydraulic pipe bender without tripping.
4. Lay the electric cable out carefully so that you will not trip over it and that it is not get damaged.
5. Do not use this pipe bender in the rain or where the electrical parts might get wet.
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