

Check that the Relief valve is fully closed (turn clockwise). Press the black button on the pump to activate the Ram/Former (situated on the left-hand side of the machine when viewed from behind the carrying handle). The red button STOPS the machine.

The bending operation should be continued until the desired curve is reached but not further than 90°.

As soon as the pipe reaches its desired shape, switch off the pump by pushing the red stop button.

Open the relief valve, (anti clockwise) on full turn, the ram will withdraw automatically. According to the quality of the pipe it may spring back a little.

Now, remove the T-bars and guides and remove the pipe.

It is possible to correct a pipe that has been bent too far by means of a straightener. Turn the pipe so that the bend is in the opposite direction and position against the guides.

The straightener is placed on the ram and the bend can be pushed back into the desired shape.

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 Shop for advice.

Handle the equipment with care. Avoid dropping it, knocking it, or otherwise exposing it to damage.

Never expose the equipment to excessive moisture, dust or dangerous/corrosive chemicals.

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

Press the red button to switch OFF the pipe bender, open the relief valve and remove the pipe from the machine. Then turn off the power supply.

Dismantle the machine – and pack all parts neatly in the carrying crate, then neatly coil the cable ready for return.

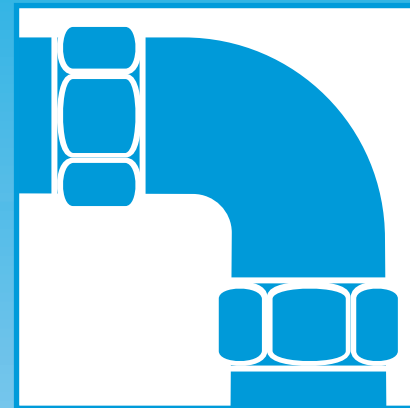


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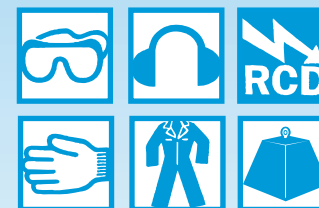
Operating & Safety Guide 583

HSS Hire Shops



Powered Steel Pipe Bender

Powered, hydraulic pipe bender for forming pipe material in Black Iron and Galvanised Steel (not for use on Plastic, Copper or Stainless Steel).



Code 68341

GENERAL SAFETY

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

Keep children, animals and bystanders out of 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.

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



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



Note that 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 protective clothing, footwear and gloves.



This equipment will require two or more people to lift and/or manoeuvre it.

Ensure work area is tidy, well lit and ventilated.

Warning

Make sure that there are no obstructions in the work area which the pipe may make contact with when being formed.

Check that you have enough space available for the pipe length you are bending.

ELECTRICAL SAFETY

110V models (with a round yellow plug) may be powered from either a generator or the mains via a suitable transformer.

Keep flexes and extension leads out of harm's way. 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.

Remember, using electrical equipment in very damp or wet conditions can be dangerous.

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

Never carry or pull the machine by its flex.



To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device)

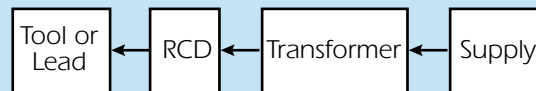
available from your local HSS Hire Shop.

Always switch OFF and unplug electrical equipment before attempting to maintain or

WARNING

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.



adjust it in any way. Never leave electrical tools unattended while they are plugged in and switched ON.

GETTING STARTED

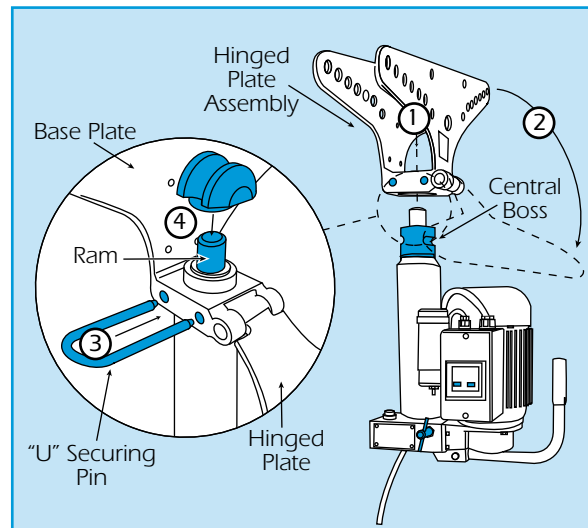
With help, set the equipment up on a firm, level surface. Tilt the hydraulic pump back, so that the central boss on the pump cylinder is uppermost (the base of the carrying handle will be on the floor).

1. Align the hinged plate assembly to the central boss.

2. Carefully lower onto the boss.

3. Lock the hinged plate in position with the steel 'U' securing pin, push this in firmly.

4. Now, lower the unit into its operating position. Pull the hinged plate up and rest it back against the



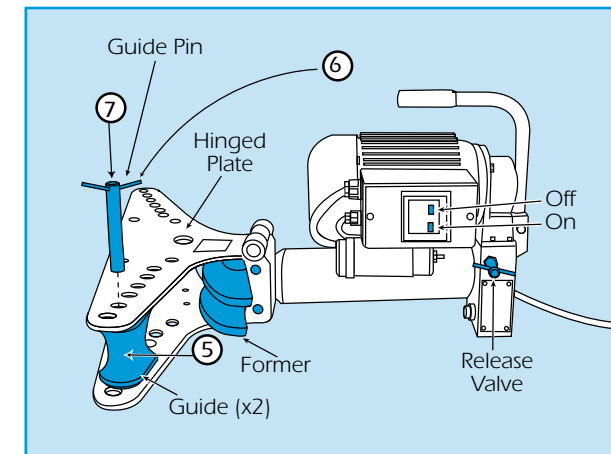
Formers



motor. **Place the appropriate Former for the pipe size you wish to bend, onto the ram.**

5. Now, place the guides (x2) on the baseplate over the correct hole for the respective former and pipe size – the holes in the plate allow the guides to be adjusted (pipe dimensions are etched onto the hinged plate). The guides should be set so that the flat sections are innermost, the concave areas face outwards.

6. Bring the hinged plate down.



7. Push in the guide pins through the holes in the hinged-plate, the guides and the baseplate to secure, and if necessary, correct the position of the guides.

BASIC TECHNIQUES

Make sure you know how to switch the equipment OFF before you switch it on.

Lightly grease the pipe to be bent and place it in position in front of the Pipe Former, between the bottom and top plates, taking note of the pipe's length – make sure it will not be restrained in the bending process, by extending through a doorway or under a bench.

With large diameter or long lengths of pipe you may find it easier to line up the pipe before you lower the hinged plate.

Ensure the power cable will not become entangled with the machine and the pipework.

Plug the Pipe Bender into a suitable power supply, and switch it ON.