



For guidance on managing construction health risks go to [www.hse.gov.uk/construction](http://www.hse.gov.uk/construction)



## OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn when using the tube bender. Particular jobs or environments may require a higher level of protection.
2. Wear strong gloves when handling pipes or operating the handle.
3. Anybody who is working nearby will also need to wear appropriate personal protective equipment.

## TUBE BENDER

1. Check the tube bender and attachments. If anything is found damaged, do not use the tube bender - contact the hire company.
2. If bending a long length of tube, it may be necessary to support the other end. The added 'off-balance' weight may make the tube bender unstable.
3. While operating this equipment, stand well clear of the pipe being bent, the ends may move unexpectedly under pressure, and when pressure is released.
4. Check on how the equipment works before using it, it must be understood how to use it before switching it on.

## ACCESSORIES

1. The hire company will have supplied several accessories including formers to enable operators to bend different diameters of pipe and to bend them to a different radius.
2. This tube bender can also be used to clamp various pipe sections firmly enough to enable cutting of the threads on the pipe ends using separate threading equipment.

## USING THE TUBE BENDER

1. Wear gloves.
2. Always operate from a safe position, usually from behind the handle on the equipment.
3. Do not attempt to move or reposition the pipe while it is under tension.
4. Release the tension if leaving the equipment unattended.
5. Stop work if someone approaches the work area.
6. After work, close the tube bender to its storage position and put safely away.
7. If the equipment does not work properly, do not attempt to repair it. Contact the hire company.

**Keep this leaflet in a safe place as it may need to be referred to again.**



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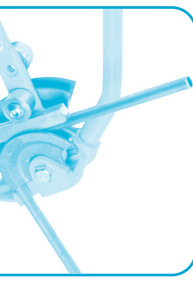
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# Universal Tube Bender

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 Universal Tube Bender**



1. The force generated to bend pipes and tubes is very high, keep fingers clear of all pressure points.
2. This tube bender is designed to bend copper and stainless steel pipe, conduit and similar pipes and tubes, using the appropriate attachments.
3. The action of this tube bender can cause injury or damage if not used in a careful and controlled way.
4. If operators have not used a tube bender before, they should familiarise themselves with the equipment before starting work.
5. Plan the work and think ahead to make sure the work will always be carried out safely.
6. The following items of personal protective equipment must be worn as a minimum: gloves.
7. This tube bender must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This tube bender is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

## WORK AREA

1. Make sure that the work area is clear and safe and that no-one is nearby who could cause a distraction.
2. Protect other people from danger. Warn others to keep away, put barriers around the work area.
3. Set up the tube bender on a flat hard level surface in the middle of the work area.
4. Keep the surrounding area free of clutter to enable continuous movement around the tube bender without tripping.



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