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COBRA / DUCT RODS

OPERATING & SAFETY INSTRUCTIONS



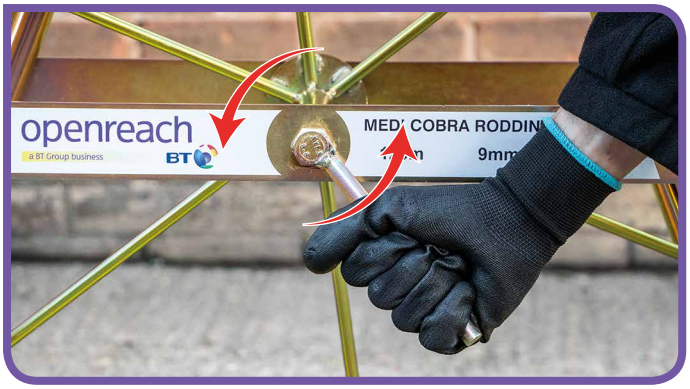
General Safety

There is a serious risk of personal injury if the user does not follow all instructions laid down in this guide. This equipment should only be used by an able bodied, competent adult who has read and understood these instructions. The user is responsible to ensure that all necessary risk assessments have been completed prior to use of this equipment. This equipment should never be used if the user is feeling unwell, tired, or is under the influence of drugs and/or alcohol. The equipment should be checked for damage and/or wear before use.

- PPE must be used at all times during storing, handling and operation of the cobra rods.
- Rods and cage must be inspected on a regular basis.
- This equipment may only be used by suitably trained personnel
- Inspect all equipment thoroughly before use to check for any damage. If you have any concerns, stop using it immediately.
- Use kinetic handling techniques when moving rods.
- On vehicles, ensure rods are stored in a secure position

Using the Equipment

Take the unit to a suitable access point. Cordon off the area with barriers to prevent unauthorised persons gaining access to the area. If entering a service pipe that contains power or telecommunications cables, check with the relevant authorities as to their safety.



To use release the parking brake by rotating anti clockwise until the reel can rotate freely in the frame.



Feed the rod slowly into the service, until the guide tip reaches the destination.

If, during the feed in process a blockage or restriction is met then gently re-try by drawing the rod back a metre and re-inserting. Using a stabbing action or forcing the rod could damage existing equipment in the channel. If this fails, try feeding the rod from the other end of the run. Once the rod is at a desired position, re-tighten the parking brake with clockwise rotation so the reel will not rotate in the frame.



Typical Techniques

Either

1. Attach the cable to the guide tip first then feed the rod out to the destination.
2. Feed the rod to the destination, attaching the cable then pulling it back.
3. Feed the rod to the destination, attach to eye, draw cable back
4. Feed the rod to the destination and draw back a rope to be left in place for the next use.



Note

- Always ensure that the cable is securely attached to the guide tip
- Where possible, feed the cable through the rope eye and double it back on itself.
- Secure with strong tape or a suitable clamp.
- Avoid creating too large a 'knot' when attaching to the guide tip.
- Make sure that there are no awkward ends that could become trapped within the service.

Useful Video Links

Cobra Overview
www.vimeo.com/204161441

Cobra Repair Splice
www.vimeo.com/275276559

Cobra End Fitting
www.vimeo.com/287628476