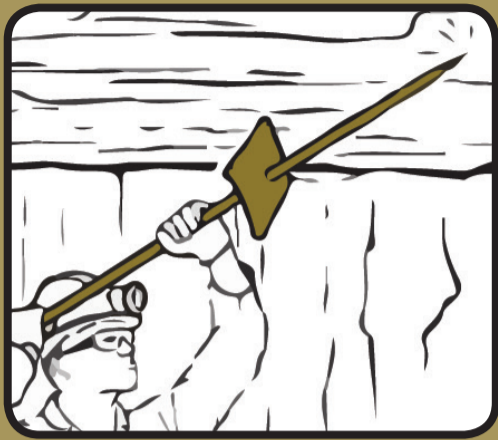


# MECHANICAL CABLE ANCHOR

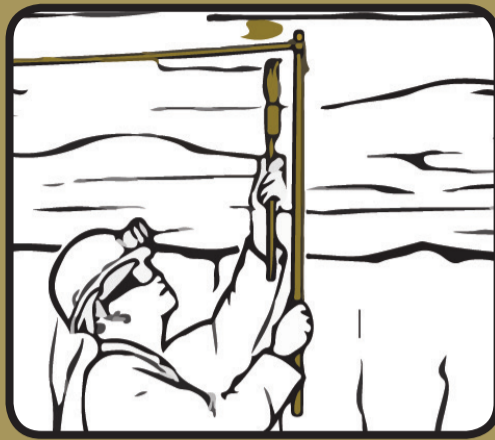
## INSTALLATION INSTRUCTIONS

Before commencing, please take note:

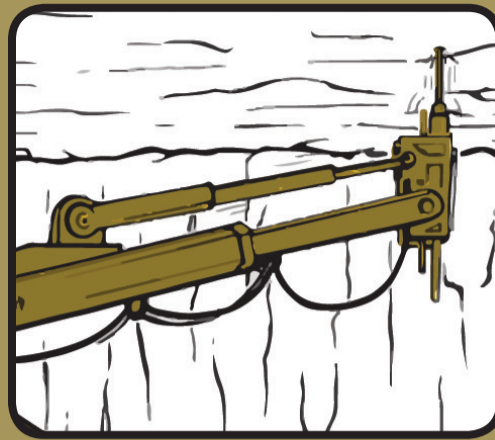
- (1) Work from a supported & safe position. (2) Improper installation can result in poorly supported rock, which can cause severe injury or death. (3) Wear required PPE, including gloves & safety goggles. (4) Never use cable bolt if damaged. (5) Use a safety harness when working at height, according to mine standard.



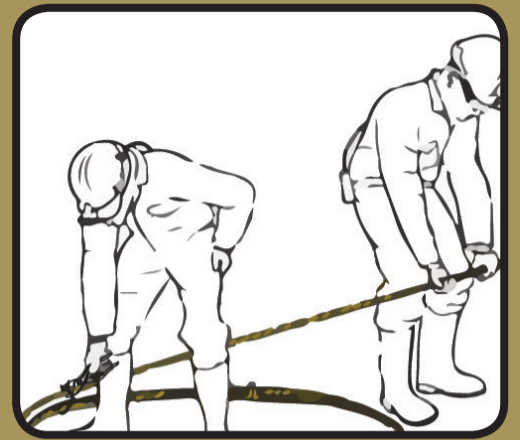
**1** Prepare and ensure area is safe, according to your mine standards.



**2** Measure & mark positions for holes on hanging & side walls, according to mine standards.



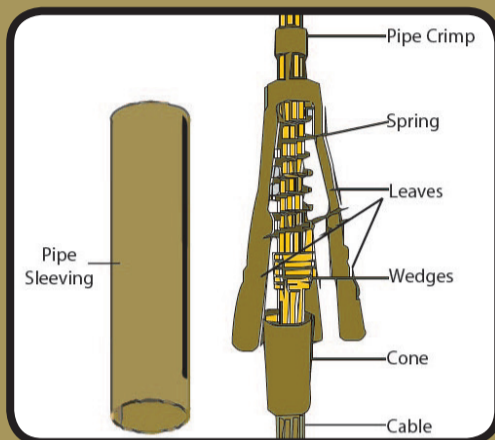
**3** Drill required holes in the hanging & side walls. Drill as close as possible to 90 degrees to strata.



**4** De-bundle carefully by clipping securing wires in a controlled way. Do not stand in the way of unraveling cables, it may whiplash, causing injury.



**5** Inspect cable bolt for any physical damage. If damaged or missing a component part, do not use.



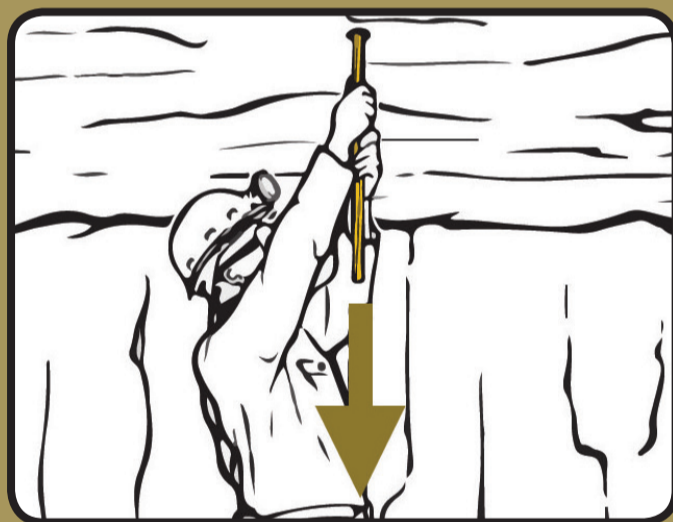
**6** Check all components. If any are not in good working order, do not use the bolt.



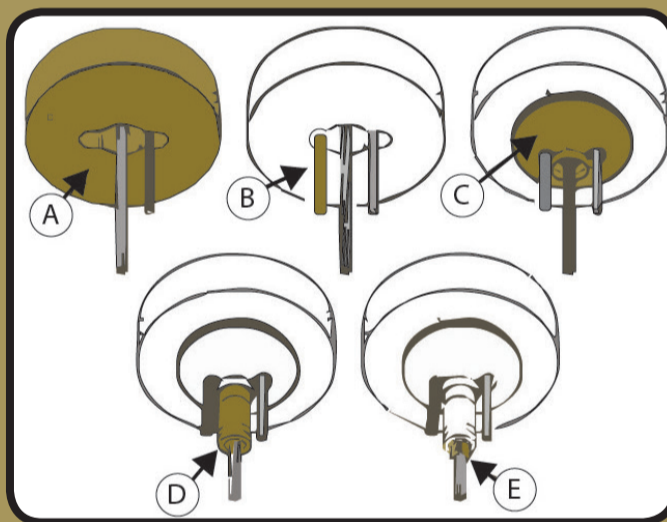
**7** Remove face plate, sponge, barrel and wedge components. Insert cable upside-down into hole, to measure depth. If hole is not deep enough, re-drill hole to required depth.



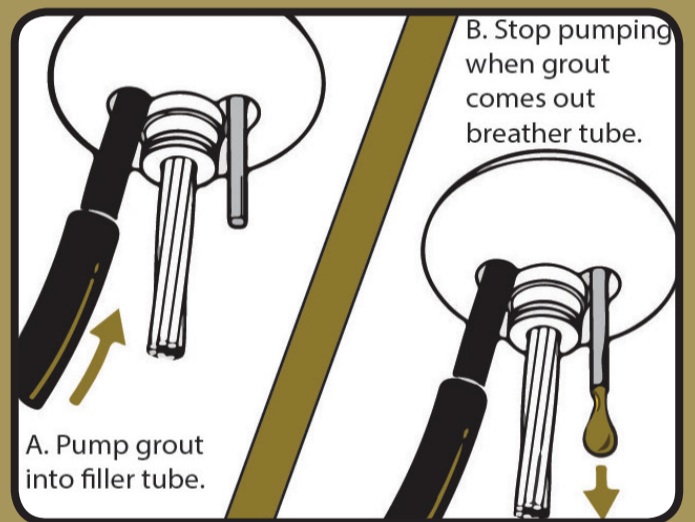
**8** Remove cable from hole, turn it around and remove pipe sleeving from mechanical shell. Insert the cable right-way-up to end of the hole.



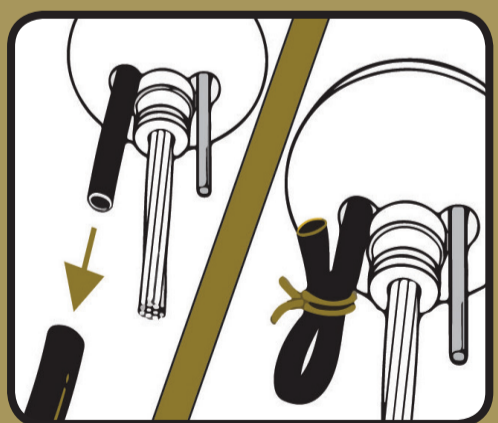
**9** Tug down hard on the cable to activate the anchor. Do not climb on machinery to reach cable. Use a scissor lift and safety harness. If you need to release the anchor, pull on release cord.



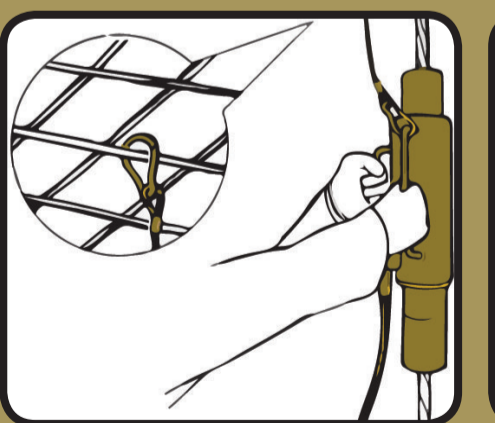
**10** Assemble (A) Sponge; (B) Filler Pipe; (C) Face Plate; (D) Barrel; (E) Wedges on cable protruding from hole.



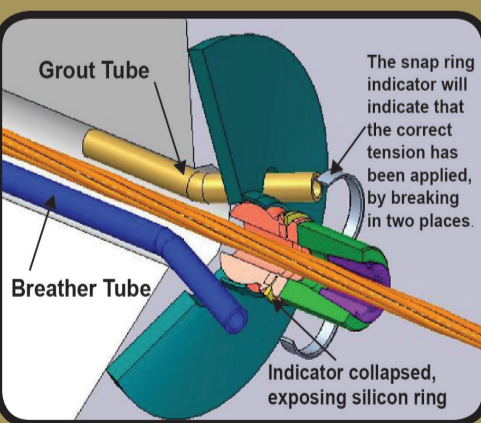
**11** Connect your pipe from grout pump onto protruding filler tube and start pumping. **IMPORTANT: ALWAYS WEAR EYE PROTECTION AND OTHER PPE WHILE PUMPING.** When excess grout comes out of breather tube, stop pumping.



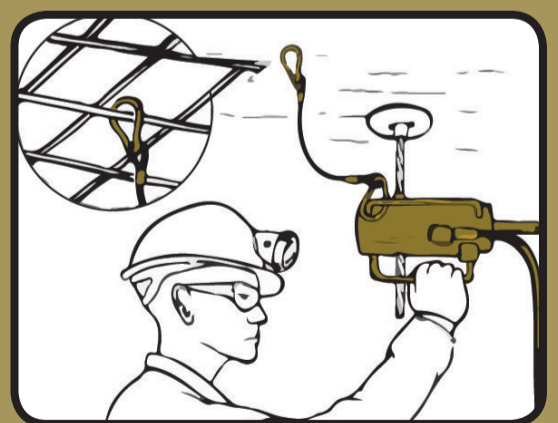
**12** Disconnect grout pipe from filler tube. Kink the filler tube by bending it back on itself and tie closed with a wire.



**13** Attach tensioner to pump. Attach pump safety cable to the closest anchoring point i.e. already installed anchor or welded mesh. Attach tensioner to cable and pump from a safe distance. Stop pumping when you hear and see the load indicator pop. Release pump pressure & remove tensioner from cable. Remove pump safety cable from anchoring point.



The snap ring indicator will indicate that the correct tension has been applied, by breaking in two places. Indicator collapsed, exposing silicon ring.



**14** Cropping of anchors can only be done after mine inspection or with special instruction.

Attach cropper to pump. Attach cropper safety cable to the closest anchoring point i.e. already installed anchor or welded mesh. Attach cropper to cable and start pumping. Stop pumping when excess cable is chopped off. Release pump pressure. Remove tensioner and carefully cut off piece of cable, which may be loose and fall. Remove pump safety cable from anchoring point.

