

DSI
UNDERGROUND

CABLE-LOK SHELL



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Main Advantages

- Spring-loaded Cable-Lok Shell is automatically set on installation
- Cable can be tensioned immediately
- Installation is easy and quick
- Tensioned cable provides immediate long tendon ground support
- Cable can provide pre-tensioned active support throughout its length
- Greatly improves installation time and cycle whether pre or post grouted



Fields of Application

- Pre-stressed cable bolting in large span areas
- Pre-stressed cable bolting in hanging wall
- Cable lacing anchors and others

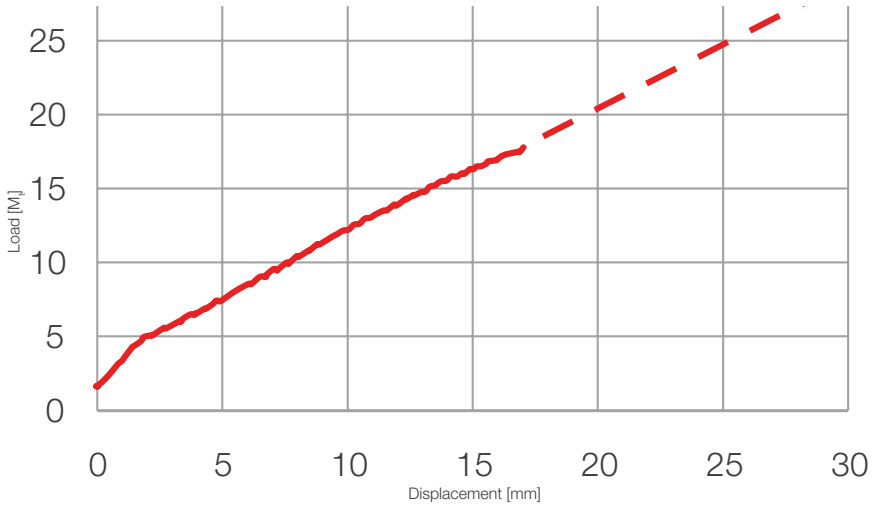
Specifications

Dimension	Diameter 2 ["] x 10" (Ø 50 [mm] x 250 [mm])
Cable	0.6 ["] (Ø 15.24 [mm]) or 0.7" (Ø 17.78 [mm])
Drill Hole	Diameter 2 ["] ~ 2-1/2 ["] (Ø 57 ~ 65 [mm])
Suitability	Medium soft to very hard rocks
Anchoring Capacity	Exceeds the ultimate tensile strength of cable



Typical Performance Curve

Laboratory test with a 2 ["'] (610 [mm]) cable anchored in an dia. 2-1/4 ["'] (Ø57 [mm]) steel tube.



Installation

- Drill a hole at the diameter and depth in accordance with the cable anchor and bolt
- For grouted cable, attach the grout and breather tubes to the cable
- Assemble the Cable-Lok Shell on the head of a cable bolt
- Remove the retainer band from the shell and insert the cable bolt assembled with the Cable-Lok Shell into the hole together with grout and breather tubes
- The cable shell sets automatically and the cable bolt can be tensioned immediately
- For the case of **pre-stressing cable before grouting**
 - Properly seal the collar
 - Set up the plate and cable grip
 - Smoothly lead the grouting and breathing tubes through the plate holes
 - Properly tension the bolt (usually 10 [ton])
 - Fully grout the cable bolt by pumping the cement mortar into the hole
- For the case of **pre-stressing cable immediately after grouting**
 - Properly seal the collar
 - Fully grout the cable bolt by pumping the cement mortar into the hole
 - Set up the plate and cable grip immediately after grouting
 - Properly tension the bolt (usually 10 [ton])





Please note:

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