Cable Bolt

Expansion Shell

DESCRIPTION



The mechanical anchor is manufactured from 15.2 mm compact strand, with a 300 Kn minimum ultimate tensile strength. The specially machined expansion shell when used in the competent ground, will support the ultimate tensile strength of the strand.

The mechanical anchor was designed for areas where roof support needs to be immediate (normally grouted cable bolts do not reach capacity until the grout has completely cured). The mechanical anchor can be tensioned immediately and grouted at a later stage.

KEY FEATURES

- > Two types of mechanical anchors have been developed to suit either a 48 mm or 64 mm hole
 - 1) 15.2 mm compact plain strand mechanical anchor
 - 2) 15.2 mm compact ball-bearing mechanical anchor
- The bond between plain strand and the grout is not sufficient to transfer the full potential of the bolt, as a result Garock developed the Garock B-B mechanical anchor. The B-B bolt is fully bulbed with nuts inserted into the bulbs, thus allowing the bolt to be fully tensioned without the bulb collapsing
- After grouting the bolt becomes a fully bonded mechanical cable bolt with full load transfer capabilities

PACKAGING

- > Supplied in any required lengths
- > Supplied colled in bundlesof 50
- Other packaging requirements are available on request
- > Colour coded for ease of identification

TECHNICAL PERFORMANCE DATA

Cable Bolt – Expansion Shell		
Properties / Description	Minimal	Typical
Yield Force	212 kn	285 kn
Tensile Strength	300 kn	310 kn
Mass Per Metre	-	1.176 kg

Expansion shell is zinc passivated to prevent corrosion. Relevant standards: AS/NZS 4672. 1+2:2007

ROCK REINFORCEMENT

norme

TECHNICAL DATA SHEET



Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.