

DESCRIPTION



Garock supply a wide range of plates for use with cable bolts. Garock plates are designed in-house to provide optimal surface support in a range of strata conditions. Options of each plate type are available in numerous dimensions to suit any bolt type and diameter. All plates are available with a hanger loop in black steel or hot dip galvanised.

Dome plate – High load bearing capacity, used with cable bolts and dynamic solid bolts.

Flat plate – Numerous sizes and thickness available for use with cable bolting. Single and multiple hole options are available.

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 strapped and palletised to customer requirements.

TECHNICAL PERFORMANCE DATA

Flat Plate Dim. (mm)	Thickness (mm)	Dome Height (mm)	Hole Height (mm)	Test Hole Diameter (mm)	Typical Yield Strength (MPa)	Typical Tensile Strength (MPa)	Plate Load (kN)	Typical Bolt Used
200 x 200	10.0	-	18.0	-	210-310	300-400	-	Cable Bolt
300 x 300	10.0 / 12.0	-	18.0	-	210-310	300-400	-	Cable Bolt
200 x 200	8.0	-	18.0	-	210-310	300-400	-	Cable Bolt
150 x 150	8.0	-	18.0	-	210-310	300-400	-	Cable Bolt

Expansion shell is zinc passivated to prevent corrosion.

Relevant standards: AS/NZS 4672. 1+2:2007

RELEVANT STANDARDS

Plate Type	Material	Galvanising
Dome Plate	AS 1594	AS 4680
Flat Plate	AS 1594	AS 4680

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.