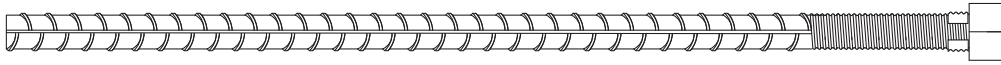


# Forged Head Replacement Bolts



## Features

- Roof and Rock Bolts are manufactured from a special hot rolled deformed bar featuring a rib pattern that actively assists with mixing the chemical anchors during installation
- Bolt rib pattern design has modified physical characteristics to maximize load transfer from the rock to the bolt, with higher transverse ribs together with lower profile longitudinal ribs
- Corrosion protection can be provided by hot dip galvanizing or alternative coatings. Details on request
- Rolled thread strength nominally equals the strength of the bar
- All Anchor Bolts are designed to be used with resins.

## Standard Lengths and Packaging

- Standard bolt lengths start from 600mm
- Non – standard requirements are available on request
- Bolts are packaged in bundles
- Can be supplied assembled with bearing plates.



## Technical Data

Bar Diameter, mm	16	18	20
Min. Yield Load, kN	100	127	157
Min. Yield Strength, MPa	500	500	500
Min. Ultimate Load, kN	120	158	200
Min. Ultimate Tensile Strength, MPa	640	640	640
*Calculated Shear Load, kN	98	124	132
**Typical Elongation, %	20	20	20
Density, kg/m	1.63	2.059	2.539
Cross Sectional Area, mm <sup>2</sup>	201	254	314

\*Calculated at 60% of Ultimate Tensile Load

\*\*5.65/A

## Notes

- Minimum order quantities may apply to this product
- Only ROCBOLT Technologies South Africa components should be used to enable the full performance of the bolt system to be obtained.

