

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
- Rolled thread strength nominally equals the strength of the bar
- The resin roof bolt is available in either spin-to-stall (shear pin nut) or reverse spin (ribbed) configurations
- All anchor bolts are designed to be used with resins
- Couplers available to create longer lengths
- Forged head replacement bolts available. Details on request
- Corrosion protection can be provided by hot dip galvanizing or alternative coatings. Details on request

Standard Lengths and Packaging

- Standard bolt lengths start from 600 [mm]
- 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 | 25 |
|--|-------|-------|-------|-------|
| Yield load [kN] | 100 | 127 | 157 | 245 |
| Typical yield strength [MPa] | 500 | 500 | 500 | 500 |
| Ultimate load [kN] | 140 | 178 | 220 | 343 |
| Typical ultimate tensile strength [MPa] | 700 | 700 | 700 | 700 |
| Calculated shear load [kN] ¹⁾ | 84 | 106 | 132 | 206 |
| Typical elongation [%] ²⁾ | 20 | 20 | 20 | 20 |
| Density [kg/m] | 1.630 | 2.059 | 2.539 | 3.750 |
| Cross sectional area [mm ²] | 201 | 254 | 314 | 490 |

1) Calculated at 60 [%] of ultimate tensile load.

2) 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

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All dimensions, weights, quantities and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local DSI Underground service representative for final confirmation of any key specifications.