

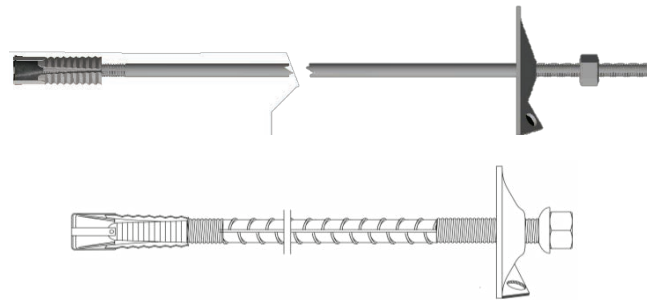
Mechanical Anchor Bolt

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The mechanical anchor bolt is typically used when there is an additional support needed on the rock face. The anchor is commonly used in conjunction with wired mesh and other support sheeting to secure into place. No grout or resin is needed for installation. Standard equipment can be used in making the anchor installation user friendly. Grouting is possible with the addition of grout feed and breath pipes.

Features

- Standard Hex Nuts for installation
- Washer as required
- Expansion Unit for appropriate drill size.
- Standard bar sizes are 14.5mm and 16mm but are available for larger diameter bars upon request.



With the use of the expansion shell, the mechanical anchor is easy to install. The Expansion Unit, once installed, locks into place assuring no movement occurs on the anchor.

- 3-Leaf Shell
- 32, 35 Expansion shells available, dependant on the bar diameter.

Mechanical Anchor

Flat Plates for general use

Technical Data		
Bar Diameter, mm	Smooth 14,5	D16
Min Yield Strength, MPa	450	500
Min Ultimate Tensile Strength, MPa Typ.	590	700
Min Ultimate Tensile Load, kN	97.3	140
Calculated Shear Strength*, kN	58	84
Cross Sectional Area, mm ²	165	200
Thread	DIN405 Rd16	DIN405 Rd18
% Elongation	19	22

* Shear values calculated at 60% of U.T.S



Expansion Shell	Min Hole Size, mm	Max Hole Size, mm
32	32.5	38
35	35.5	41
38	38.5	44
43	43.5	49

Notes

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