AVOCAN

ENTERPRISES (PTY) LTD

QUALITY IS A PRIORITY

Proverbs 3:5

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ROOF BOLTS

STRONG SUPPORT. SAFER MINES. TRUST AVOCAN.

Engineered for quality and reliability. Avocan Roof Bolts provide maximum support in various mining and construction operations.



SUPERIOR STRENGTH
High tensile steel for maximum load capacity.

QUALITY ASSURED
Manufactured to comply with industry standards

MULTIPLE CONFIGURATIONS
Shear pinned, nibbed or combination options.

WIDE RANGE
Lengths from 1.0m to 2.4m to suit your mining needs.

COLOUR CODED
Easy identification for faster installation

BUILT FOR SAFETY
Supporting safer, more productive underground mines



ROOF BOLT SOLUTIONS

ENGINEERED FOR UNDERGROUND STRENGTH AND RELIABILITY.

Manufactured using premium steel and strict quality control to provide effective ground support in even the most demanding mining conditions.



AVAILABLE LENGTHS & COLOUR INDICATORS

NOMINAL ROOF BOLT LENGTH	COLOUR CODE	DIAMETER (mm)
0.6 + 0/- 5mm	Orange	20mm / 22mm
0.9 + 0/- 5mm	Yellow	20mm / 22mm
1.2 + 0/- 5mm	Blue	20mm / 22mm
1.5 + 0/- 5mm	White	20mm / 22mm
1.8 + 0/- 5mm	Green	20mm / 22mm
2.1 + 0/- 5mm	Red	20mm / 22mm
2.4 + 0/- 5mm	Pink	20mm / 22mm

Other diameters and lengths available on request.

ROOF BOLT CONFIGURATIONS

SHEAR PINNED



The bolt is fitted with a shear pin that breaks at a predetermined load, allowing the bolt to yield and maintain support.

NIBBED



The nib grips the plate and prevents rotation, enhancing load transfer and stability.

COMBINATION



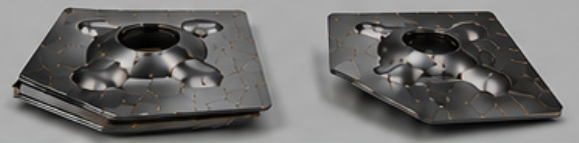
Combines shear pinned and nibbed features for added performance and safety.

TECHNICAL SPECIFICATIONS

- **Diameters:** 20mm or 22mm
- **Steel Grade** Options:
  - SAE 1020 / 1026 / 1035
  - S355JR / S460J (EN Standards)
  - High Tensile Steel
- **Finish:** Black / Self-colour / Galvanized
- **Thread:** Right hand thread
- **Thread Length:** Standard 140mm (±10mm)
- **Rib Pattern:** High rib for improved bond
- **Tensile Strength:** Min. 500MPa
- **Yield Strength:** Min. 400MPa
- **Elongation:** Min. 14%

ROOF BOLT COMPONENTS

WASHER PLATES (WITH WASHER PLATE ATTACHED)



TOURQUE INDICATORS (WITH VARIOUS CONFIGURATIONS)



IDEAL FOR USE IN

- ✓ Mining
- ✓ Construction
- ✓ Tunneling
- ✓ Civil Engineering
- ✓ Slope Support



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