

BLACK DIAMOND DRILLING GEWI THREADBAR

OVERVIEW

Black Diamond Drilling GEWI bars are high-tensile, threaded steel bars widely used in underground mining for rock reinforcement and ground support.

Black Diamond Drilling GEWI Bars are ideal for strata control, face support, and long-term structural reinforcement. Their continuous thread design allows for easy cutting, coupling, and tensioning, making them adaptable to a range of installation lengths and configurations.

ADVANTAGES

- High strength-to-weight ratio for secure ground stabilization.
- Immediate load support after installation
- Affordable support solution
- ISO-9002 Certified



SPECIAL REQUIREMENTS

WELDING

- Welding processes GMAW, FCAW and Low-Hydrogen MMAW must be used to ensure strength is retained in the joints and the GEWI Bar material.
- Hydrogen controlled electrodes must also be used.
- Matching strength W55x (E55x) or W62x (E62x) type consumables must be used in all load-bearing butt welds.
- Interpass welding temperature must remain below 200°C

SPECIFICATIONS	Minimum	Nominal	Maximum
Barrel Diameter	19.3mm	19.5mm	19.7mm
Side	18.6mm	19mm	19.5mm
Total Diameter	22.2mm	22.5mm	22.8mm
Rib Height	1.35mm	1.45mm	1.55mm
Rib Spacing	9.8mm	10mm	10.2mm
Cross Roll	0mm	0mm	0.3mm
Weight per Metre	2.39Kg	2.47Kg	2.56Kg

MECHANICAL PROPERTIES

As per Sampling Protocol

Cross Section Area	300mm @ 19mm core diameter
Yield Stress	540MPa
Ultimate Tensile Strength	600MPa
Shear Strength	420MPa
Length Tolerance	+50mm, -0mm
Nominal Bundle Mass	2.00 tonnes

PRODUCT INFORMATION

DESCRIPTION	Weight
Gewi Bar 2400x20mm Galvanised	6.0Kg
Gewi Bar 3000x20mm Galvanised	7.5Kg

Securing Information

- 7,010mm to 12,000mm length
- 5 wire ties spaced equally, tie wires end 300-500mm from the end of the bundle.

Bundle Information

Each bundle will have a face tag securely riveted to the end of a bar.

CONTACT INFORMATION

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