

HARD ROCK MINING

R28 SECURA BOLT

ADVANCED REINFORCING BAR FOR UNDERGROUND APPLICATIONS

DESCRIPTION

Solid reinforcing bar that is threaded at one end with an R thread profile. A torque nut is attached at this end. Includes a paddle system to improve resin mixing, resin film shredding and provides consistent and efficient mixing of resin capsule components.

Available in 2.4M & 3M lengths and can be supplied in either black or hot dip galvanised. Additional lengths are available on request.

APPLICATION AND USES

Primary use is strata reinforcement in underground mines and tunnels.

ADVANTAGES OF R28 SECURA

- Design includes a unique paddle system to improve resin mixing, providing higher bond strength in large diameter boreholes.
- Proven historical performance and extensive quality-controlled manufacture.
- Permanent primary support.
- Consistent pin nut torque drive system.
- High strength 'Nova' thread (R thread) profile including a modified rope thread with large root and small crest areas.
- Proven resin mixing performance.
- High load transfer.



R28 SECURA BOLT

TECHNICAL DATA

Mechanical Properties

Properties	R28
Bar diameter ² (mm)	25
Cross-sectional area-bar ² (mm ²)	455
Paddle Diameter ² (mm)	30
Yield Strength ² (MPa)	560
Tensile Strength ² (MPa)	725
Tensile Force ² (MT)	35
Elongation ² %	22
Breakout Pin Torque ² (Nm)	120-170


²Typical

SUPPORTING PRODUCTS

Plates

Minova can supply a comprehensive range of plates for use with the R28 Secura bolt.

Plates most typically used with Secura bolts are:

Item code	Description	Image
NT0004812	PLATE CRN 38X200X200X5MM 8L LOOP GL	
NT0004752	PLATE CRN 38X200X200X5MM 8L LOOP BK	

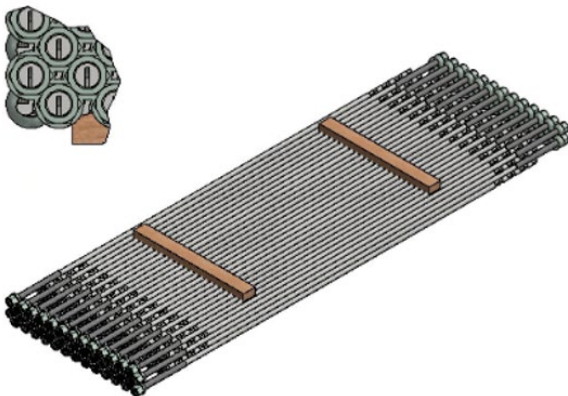
Driver & Hanger Nut

Item Code	Description	Image
NF0000243	DRIVER SKT T38X800 HEX 36AF	
NT0005096	NUT HANGER R28 36AF LHT GL	

PACKAGING

Secura bolts are packaged in bundles of 100 in a staggered configuration.

Item Code	Description
NT0004620	BOLT SEC R28X2400 LHT WDDP 30P BK
NT0005051	BOLT SEC R28X3000 LHT WDDP 30P BK
NT0004730	BOLT SEC R28X2400 LHT WDDP 30P GL



Packaging configuration

Lokset® Resin Capsules

The Lokset system consists of an easily handled cartridge filled with a reinforced polyester resin in one compartment and a catalysed mastic filler in the other, separated by a physical barrier. The rotation of the bolt during installation ruptures the capsule, shreds the skin and mixes the two components causing a chemical reaction and transforming the resin mastic into a solid anchor.



Lokset Resin Capsule

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

MANUFACTURER

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management Certificated Company



FS 603747

ADDITIONAL INFORMATION

Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation formwork systems including: Meshblock and Tecmesh
- Grout mixers and batchers both air and hydraulically operated
- Contract installations
- Flexible membranes for strata support and waterproofing applications

CUSTOMER SERVICE

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