

MINOVA

SECURA™

ADVANCED UNDERGROUND APPLICATION



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.

ADVANTAGES

- > 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

APPLICATION & USES

Primary use is strata reinforcement in underground mines and tunnels.

TECHNICAL PROPERTIES

PROPERTIES	Secura R24	Secura R28
Bar diameter ¹ (mm)	22	25
Cross-sectional area-bar ¹ (mm ²)	380	455
Paddle Diameter ¹ (mm)	30	
Yield Strength ¹ (MPa)	560	
Tensile Strength ¹ (MPa)	715	725
Tensile Force ¹ (MT)	27	35
Elongation ¹ %	22	
Breakout Pin Torque ¹ (Nm)	120-170	

¹ Typical

SUPPORTING PRODUCTS

Plates

Minova supplies a comprehensive range of plates for use with the Secura Bolt. Plates most typically used are:

ITEM CODE	DESCRIPTION	IMAGE
NT0004812	PLATE CRN 38X200X200X5MM 8L LOOP GL	
NT0004752	PLATE CRN 38X200X200X5MM 8L LOOP BK	

Drivers

ITEM CODE	DESCRIPTION	IMAGE
NF0000243	DRIVER SKT T38X800 HEX 36AF	

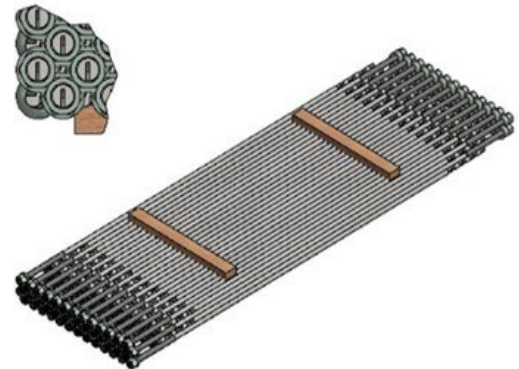
Lokset Resin Capsules

The Lokset system consists of easily handled capsules 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.



PACKAGING & TRANSPORTATION

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



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 Inc

An ISO 9001:2015

Quality Management Certified Company

Certificate No. FM 689118



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