

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 galvanized. 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
- > ISO 9001: 2015 Quality system

## APPLICATION & USES

Primary use is strata reinforcement in underground mines and tunnels.

## TECHNICAL PROPERTIES

PROPERTIES	Secura R22	Secura R28	Secura M32
Rebar Core Diameter (mm)	22	25	32
Steel Grade	Fe 500D		
Steel - Yield Strength (Mpa)	Min 500		
Thread Type	R Thread / M Thread		M Thread
Steel - Tensile Strength (Mpa)	Min 600		
Elongation (%)	17 - 20%		
Length of Bolt (m)	1.8 - 3 (As per customer requirement)		6
Nut	Dome Nut or Hex Nut with Washer with / without Load Indicator		
Paddles / Taper End	3.5 Paddle		
Breakout shear pin torque (Nm)	120 -170		
Black or Galvanized	As per customer requirement		

## SUPPORTING PRODUCTS

### Plates

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

DESCRIPTION	IMAGE
PLATE 36X150X150X8MM LOOP BK	

### Drivers & Nuts

DESCRIPTION	IMAGE
DOME NUT R28- 36AF BK (WITH / WITHOUT DOME)	

### 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.



## MANUFACTURER

### Minova Runaya Pvt Ltd

An ISO 9001:2015

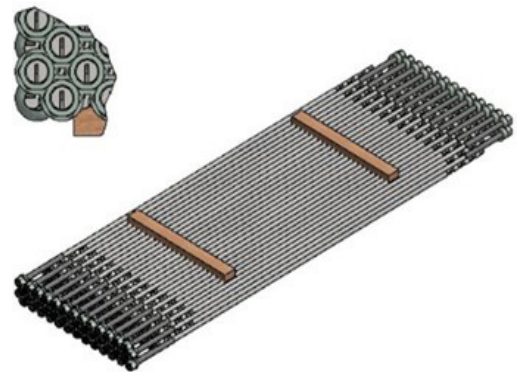
Quality Management Certified Company

Certificate No. GSCI-IN/QMS/2024/007

## PACKAGING & TRANSPORTATION

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

DESCRIPTION
BOLT SECURA R24X2400 BK
BOLT SECURA R24X2400 GL
BOLT SECURA R24X3000 BK
BOLT SECURA R24X3000 GL
BOLT SEC R28X2400 LHT WDDP LNUT 30P GL
BOLT SEC R28X2400 LHT WDDP LNUT 30P GL



## 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.

## CUSTOMER SERVICE

(1800 Minova) 1800 646 682

Email: [sales\\_au@minovaglobal.com](mailto:sales_au@minovaglobal.com)

Website: [www.minovaglobal.com](http://www.minovaglobal.com)

## DISCLAIMER

All information contained in this document is provided for informational purposes only and is subject to change without notice. Since Minova cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Minova specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Minova specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.