

HARD ROCK/TUNNELLING

EXPANDABLE ROCK BOLTS

FAST, RELIABLE ROCK REINFORCEMENT

DESCRIPTION

The Expandable Rock Bolt (EXRB) offers fast and reliable rock reinforcement with assured quality and guaranteed mechanical properties.

The EXRB consists of a folded steel tube with upper bushing and inflation bushing welded at each end of the tube. A specially designed adjustable face plate is delivered as an option.

EXRB requires steel with extremely good elongation and formability properties. This produces a finished bolt that will be able to accommodate large rock movements and still maintain its high load bearing capacity. EXRB delivers a high level of safety and uninterrupted production in the customer’s operations.

Available in 3 difference load bearing capacities:

- ▶ EXRB 120 (12 metric tonnes)
- ▶ EXRB 160 (16 metric tonnes)
- ▶ EXRB 240 (24 metric tonnes)

APPLICATION AND USES

Primary use is rock anchorage in a variety of rock conditions from hard to soft rock.

ADVANTAGES

- ▶ Provides immediate and full support action
- ▶ Accommodates large rock movements while maintaining high load bearing capacity
- ▶ High deformation characteristics accommodates ground movements in tension as well as in shear
- ▶ Accommodates variations in borehole diameter
- ▶ Quality assured installation - when the pump stops the bolt is successfully installed
- ▶ No cement grout or other chemicals required to anchor the bolt



Expandable Rock Bolts

TECHNICAL DATA

Typical Properties	EXRB 120	EXRB 240
Bolt Diameter	28 mm	38 mm
Profile Diameter	27.5 mm	36 mm
Material Thickness	2 mm	3 mm
Upper Brushing Diameter	28 mm	38 mm
Inflation Brushing Diameter	30/37 mm	41/48 mm
Hole Diameter	32-39 mm	43-52 mm
Minimum Breaking Load	120 kN	240 kN
Typical Elongation	20%	20%
Standard Lengths	1.5–4.0 m	2.4–6.0 m

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. All technical data sheets can be found on www.minovaglobal.com/apac

DISTRIBUTOR

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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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