

MINOVA

FRICTION BOLT

IMMEDIATE FRICTIONAL SUPPORT



DESCRIPTION

Friction bolts are considered the simplest form of ground support. Bolts provide immediate frictional support at the face and can be installed with handheld or mechanised equipment. For additional load bearing capacity, the bolts can be post grouted with cement grouts.

Available in either black or hot dip galvanized steel and are manufactured in 34mm, 41mm and 47mm diameters and various lengths from 900 mm to 2400 mm.

ADVANTAGES

- > Easy installation system that guarantees anchoring bolt capacity parameters
- > Continuous ring welding at tube ends enhances end strength, enabling better load transfer to bearing plates
- > Uniform bolt diameter and controlled slot width ensure predictable frictional resistance
- > Superior Manufacturing Quality using controlled-grade steel with verified mechanical properties
- > Increased protection against corrosion through galvanization.
- > High capacity of bolts, with advanced welding technology for consistency of welding
- > ISO 9001: 2015 Quality system, with in-house NABL testing facility

APPLICATION AND USES

Primary use is strata reinforcement in underground mines. Used in the development and production headings for immediate support.

TECHNICAL PROPERTIES

PRODUCT PROPERTIES	FRICTION BOLT DIAMETER		
	47mm	41 mm	34 mm
Minimum Outer Diameter	47mm	41mm	34mm
Outer Diameter Tolerance	0.5mm		
Available Lengths	0.6m to 3m		0.3m to 3m
Recommended Hole Size ¹	43-45mm	37-39mm	30-32mm
Material	Supraform 420		
Minimum Yield Strength	420 MPa		
Minimum Tensile Strength	480 MPa		
Elongation %	19%		

¹ Optimal hole size to be determined by customer to suit their specific requirements

PACKAGING AND TRANSPORTATION

Ends are coloured coded indicating the anchor length according to mine standards. 33mm to 41mm diameter anchors are bundled in units of 300, anchors in excess of 41mm are bundled in units of 150.

ROCK ANCHOR LENGTH (mm)	TYPICAL COLOUR CODE
900	Black
1800	Red
2400	Yellow

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 International Ltd

Africa Office:
23 Botha Street, Alrode, 1451
South Africa

CUSTOMER SERVICE

Minova International Ltd
+ 27 (11) 9231900
Email: salesorders.africa@minovaglobal.com
Website: www.minovaglobal.com

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