

HARD ROCK MINING

MESH PIN

IMMEDIATE FRICTIONAL SUPPORT

DESCRIPTION

The Mesh pin consists of enlarged 40 mm Strata Bolt with a 47 mm ring welded on one end of the bolt. Mesh pins are installed into previously installed 47 mm Strata Bolts. Mesh pins are compatible with drivers and plates of a 47mm Strata bolt.

Mesh Pins can also be post grouted to stiffen the support and are available in black or hot dip galvanised steel.

APPLICATION AND USES

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

ADVANTAGES

- Improves productivity when installing mesh by reducing the number of holes to be drilled.
- Mesh pins can be post-grouted to stiffen support.
- Eliminates the need for additional drivers for installation.
- Quick and easy installation.



Figure 1: Mesh Pin

TECHNICAL DATA

Mechanical Properties

Product Properties	Mesh Pin
Bolt Diameter ² (mm)	40±0.5
Ring Diameter (mm)	47
Tensile Force ¹ (MT)	12
Yield Strength ² (MPa)	465
Tensile strength ² (MPa)	535
Taper Diameter ² (mm)	32± 3
Slot Width ² (mm)	14± 2
Elongation ² %	30
End Slot Width ² (mm)	0-5
Material Thickness ² (mm)	2.3
Bolt Length ² (mm)	900 L +/- 5mm

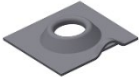

¹ Minimum Values, ² Typical Value

SUPPORTING PRODUCTS

Plates



Minova can supply a comprehensive range of plates for use with Mesh Pin.

Plates most typically used with friction bolts are:

Item Code	Description	Image
NF0000205	PLATE DOM 47X200X200X4MM GL	
NF0000208	PLATE DOM 47X150X150X4MM GL	
NF0000192	PLATE COM 280X300 150X47MM GL	
NF0000231	PLATE STR 280X400X1.9MM GL	

Drivers

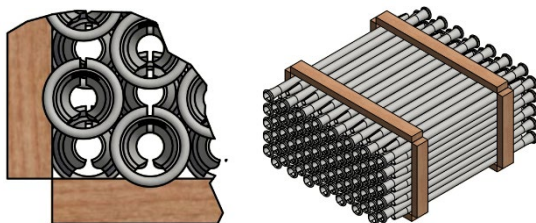
Minova can supply a range of drivers for use with hand-held or mechanised bolting equipment.

Item Code	Description	Image
NF0000171	DRIVER STR BOLT 47 T38	
NF0000198	DRIVER STR BOLT 47 HANDHELD	

PACKAGING AND TRANSPORTATION

Mesh pins are available in bundles of 150 pieces

Item Code	Description
NF0000319	PIN MESH 40X900 47RING GL



Packaging Configuration

ANCHORING CEMENT GROUTS

Minova offers a comprehensive range of cement grouts for general and specific bolting applications. Visit www.minovaglobal.com/apac to learn which grout is right for your application.

APPROVALS AND CERTIFICATES

Comply with AS 1554.1
Comply with AS/NZS 4680

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.minovalgobal.com.

MANUFACTURER

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management Certified Company



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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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