

**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 <sup>2</sup> (mm)	40±0.5
Ring Diameter (mm)	47
Tensile Force <sup>1</sup> (MT)	12
Yield Strength <sup>2</sup> (MPa)	465
Tensile strength <sup>2</sup> (MPa)	535
Taper Diameter <sup>2</sup> (mm)	32± 3
Slot Width <sup>2</sup> (mm)	19.9± 2
Elongation <sup>2</sup> %	30
End Slot Width <sup>2</sup> (mm)	0-5
Material Thickness <sup>2</sup> (mm)	2.3
Bolt Length <sup>2</sup> (mm)	900 L +/- 5mm

<sup>1</sup> Minimum Values, <sup>2</sup> 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**

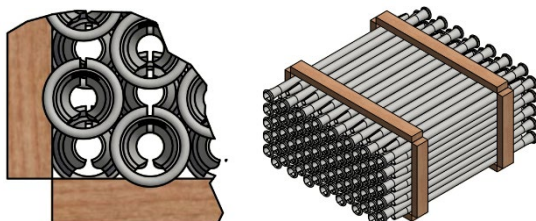
Minova can supply a range of drivers for use with hand-held or mechanised bolting equipment.

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](http://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](http://www.minovalgobal.com).

**MANUFACTURER**

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management Certified Company



FS 603747

**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

### Minova Australia Pty Ltd

(1800 Minova) 1800 646 682  
(1300 Minova) 1300 646 682  
+61 2 4939 5159 (International)

Email: [sales\\_au@minovaglobal.com](mailto:sales_au@minovaglobal.com)  
Website: [www.minovaglobal.com/apac](http://www.minovaglobal.com/apac)

## LEARN MORE

Click on the website links to learn more about Minova and their solutions.

[About Minova](#)  
[Lokset Resin Capsules](#)  
[Anchoring Grouts](#)  
[High Volume Output Grouts](#)  
[Injection Chemicals](#)  
[Sprayed Cements](#)  
[Steel and Fibreglass](#)  
[Mesh](#)  
[Ventilation & Air Control](#)  
[Surface to Seam Systems](#)  
[UniPass Bolting Technologies](#)  
[Pre-Driven Recovery Roadway Solutions](#)  
[Optimised Ore Recovery](#)

## 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.

The Minova Logo is a registered trademark.

© Minova Australia Pty Ltd  
® Registered trademark of Minova International Limited