

HARD ROCK MINING

DOME PLATES

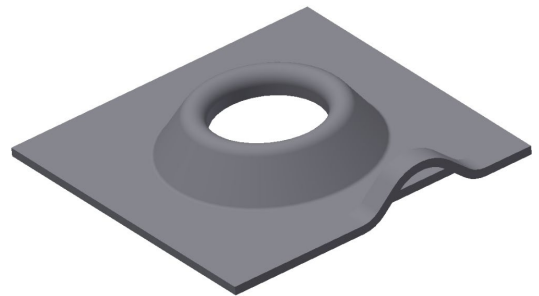
OPTIMAL SURFACE SUPPORT FOR VARIETY OF BOLTS

DESCRIPTION

Dome plates are high load bearing capacity plates that provide optimal support in a range of strata conditions. These plates are typically used with solid bolts, friction bolts, coal bolts and cable bolts.

Plates are available in numerous dimensions to suit any bolt type and diameter in the Minova range.

Available in sizes 125mm, 150mm and 200mm square. Plates are available with or without a hanger loop in black steel or hot dip galvanised.



APPLICATION AND USES

Primary use is strata reinforcement in underground mines. Designed to help prevent loose material from falling between the roof bolt patterns and provide strength to the immediate roof.

ADVANTAGES

- Optimal Surface Support
- Flexibility
- Variety of Coatings
- Variety of Configurations

TECHNICAL DATA

Mechanical Properties

Typical Bolt Used	Friction ² Bolt 34	Friction ¹ Bolt 41	Friction ¹ Bolt 47	Friction ¹ Bolt 47
Dimensions (mm)	125x125	150x150	150x150	200x200
Thickness (mm)	4.0	4.0	4.0	4.0
Height (mm)	18.0	25.0	24.0	24.0
Hole Size (mm)	36	43.0	49.0	49.0
Typical Yield Strength (MPa)	240-370	240-370	240-370	240-370
Typical Tensile Strength (MPa)	340-380	340-380	340-380	340-380
Plate Load (kN)	79	108	147	147
Weight (kg)	0.493	0.714	0.754	1.3

¹ Test conducted over 100mm hole

² Test conducted over 70mm hole

PACKAGING AND TRANSPORTATION

Plate Dimensions	200x200 (mm)	150x150 (mm)	125x125 (mm)
No. of Units (pcs)	500	1000	1000
Nominal Weight (kg)	675	737 778	516
Pallet Size (mm)	1150x1150	1150x1150	1150x1150

APPROVALS AND CERTIFICATES

Product Standards

Material : AS1594
Galvanising : AS4680

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.minovalglobal.com/apac

MANUFACTURER

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management Certified Company



FS 603747

CUSTOMER SERVICE

Minova Australia

George Booth Drive
Kurri Kurri NSW 2327 AUSTRALIA

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

Email: sales_au@minovaglobal.com
Website: www.minovaglobal.com/apac

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

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](#)
- [UniPass Bolting Technologies](#)
- [Pre-Driven Recovery Roadway](#)
- [Optimised Ore Recovery](#)

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