

HARD ROCK MINING

DOME PLATES

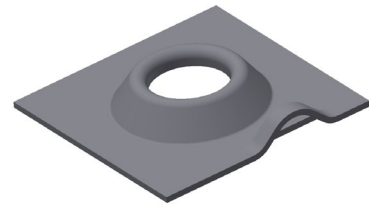
OPTIMAL SURFACE SUPPORT FOR VARIETY OF BOLTS

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

DISTRIBUTOR

Minova trading name of Orica Australia (Pty) Ltd

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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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