

SURFACE SUPPORT

BEARING PLATE

DESIGNED FOR STRENGTH

Minova’s Bearing Plates are manufactured from high-strength steel. The plates are designed to help prevent loose material from falling between the roof bolt patterns and provide strength to your immediate roof.

The “donut-shaped” embossment around the center hole increases deflective strength. The donut distributes the load to the roof bolt and serves to center the bolt and provide protection to the bolt head.

Bearing Plates are also manufactured with a “dome” embossment. The dome is used in applications where the seam or working height is greater.

Bearing Plates are available in a variety of sizes and grades to fit your roof plan requirements.

If additional strength is required in the center for stronger bolting systems, the donut embossed Bearing Plates have been designed to accommodate a Donut Plate Insert (DPI) washer.

The DPI can be used between the roof bolt and Bearing Plate. The DPI strengthens the hole location where high loading and deformation occurs. This unique combination provides the required strength in critical areas, the center and the edges. The system effectively reduces bolt pull-through and plate bending in heavy ground conditions.

Bearing plates are used with mechanical, rebar, cable, expandable, tension rebar, continuous thread bar, hollow bar, and all rock bolt types.



SPECIFICATIONS

Size	ASTM F432 Grade	Embossment
6”X 6”	2, 3, 4, 5, 6	Dome, Donut, Flat
8”X 8”	2, 3, 4, 5, 6	Dome, Donut, Flat
9”X 9”	2, 3	Donut
6”X 16”	2, 3	Dome, Low Profile

Standard hole sizes are 13/16”, 1”, 1-1/8”, 1-1/4”, and 1-3/8”

Typical Grade and Thickness

Grade	Nominal Thickness, in
2	0.145
3	0.205
4	0.25
5	0.3125
6	0.375

APPROVALS AND CERTIFICATES



an ISO 9001:2015
Quality Management System Certified Company.

DISCLAIMER

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ADDITIONAL DOCUMENTATION

If further information is required consult Minova Americas website: www.minovaglobal.com.

- Steel Bolts, Plates, Other Steel Articles Safety Data Sheet (SDS)
- Minova Guide to Rock Bolting
- Minova Chemicals, Polymers & Steel Application Guide

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