

Eclipse Bolt

Minova has developed this high-performance, cost-effective bolting system to enhance resin mixing and minimize the adverse effects of “glove fingering.” Glove fingering occurs when the plastic film packaging within the cured resin is forced against the borehole wall to potentially interfere with the mechanical interlock of the resin and the rock mass. The offset head forces the bolt around the outside of the borehole wall, shredding the cartridge and increasing the mixing action.

- 1/8” offset reduces gloving up to 70%
- Specially designed Minova Lokset resin
- Increases mixing efficiency
- Increases pullout strength
- Uniform resin anchorage
- Off-set effective to end of bolt
- Consistent quality mixing
- No cavitation

Installation Procedures:

1. Drill hole at proper diameter and depth.
2. Make depth 1” longer than the bolt.
3. Insert the appropriate Minova Lokset Eclipse resin cartridge.
4. Insert Eclipse Bolt and Bearing Plate to within 1/16” to 1/8” of roofline.
5. Rotate bolt 3 - 5 seconds.
6. Hold bolt tight against roof for 3 - 7 seconds depending on resin speed.

Specifications:

Bar Diameter & Grade	Min Yield	Min Tensile	Borehole
#5 (16 mm) Gr60	18,600 lbs	27,900 lbs	1”





Minova USA Inc. Products

Bolts and Plates

Anchoring Products

Pumpable Cementitious Grouts

Airtite® Sealants and Coatings

Chemical Grouts

Manufactured and sold under license from Minova International Limited.

Minova USA Inc.
150 Carley Court
Georgetown, KY 40324 USA
Phone 502 863 6800
Fax 502 863 1374

Email sales.info@minovaint.com
Website www.minovausa.com



A member of the Orica Group

Important Note: Warranty

Minova USA Inc. warrants that its products, at the time of shipment, conform to the applicable descriptions set forth in the invoice and are free from defects in material and workmanship. NO OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF ANY MINOVA USA INC. PRODUCT, AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.

All claims under this warranty must be made in writing to Minova USA Inc. within 15 days after discovery of the defect, and within 90 days of the date of shipment by Minova USA Inc. of the product claimed defective. Upon timely receipt of a claim, Minova USA Inc. shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to Minova USA Inc. for inspection. Claims not made as provided above and within the applicable time period will be barred. All warranties shall be null and void if the products have not been stored and used in accordance with procedures recommended by Minova USA Inc.

Minova USA Inc. shall, at its option, either replace the nonconforming or defective product or refund to Buyer its purchase price. The foregoing constitutes Buyer's sole and exclusive remedy for any breach or warranty.