

FULLY GROUTED SYSTEMS



Rebar Bolt

Minova's Reinforcing Steel Bar (Rebar) is manufactured to critical tolerances and standards to meet the day-to-day needs of our mining customers. Our comprehensive quality control program ensures that each Rebar Bolt order arrives at your site just as you have specified. And, because Minova is a world leader in manufacturing, you can be assured that we will be able to fill your orders quickly and efficiently, regardless of the size of the delivery requirement.

Rebar Bolts are available in all standard diameters and grades as well as in special rolled dimensions (SRD) for your specific applications. Matched Bearing

Plate systems and Minova resin capsules are available for all Minova Rebar Bolts.

Minova's Rebar Bolts made from grades 40 and 75 steel can be manufactured as bendable products for low seam applications.

Installation Procedures:

1. Drill hole at proper diameter and depth.
2. Make depth 1" longer than the bolt.
3. Insert appropriate Minova resin cartridge.
4. Insert Rebar Bolt and Bearing Plate to within 1/16" to 1/8" of roofline.

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Specifications:

Bar Diameter & Grade	Min Yield	Min Tensile	Borehole
#5 (16 mm) Gr60	18,600 lbs	27,900 lbs	1"
#6 (19 mm) Gr40	17,600 lbs	30,800 lbs	1"
#6 (19 mm) Gr60	26,400 lbs	39,600 lbs	1"
3/4" SRD Gr75	27,200 lbs	36,300 lbs	1"
#7 (22 mm) Gr40	24,000 lbs	42,000 lbs	1-1/8", 1-1/4", 1-3/8"
#7 (22 mm) Gr60	36,000 lbs	54,000 lbs	1-1/8", 1-1/4", 1-3/8"
7/8" SRD Gr75	37,400 lbs	49,800 lbs	1", 1-1/4", 1-3/8"
#8 (25 mm) Gr60	47,400 lbs	71,100 lbs	1-1/4", 1-3/8"



Solutions from Materials Technology

Rebar Bolt

5. Rotate to ensure complete mixing of resin.
6. Stop rotation. While maintaining boom pressure, hold in place.
7. Relieve boom pressure.

Consult your Minova Technical Sales Representative for specific mixing and hold requirements.

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.



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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.