

## Cable Bolt

### *Versatility and Remarkable Performance*

Natural movement in rock strata can threaten a safe work environment. Minova's Cable Bolts are designed to perform despite lateral strata movement. Cable Bolts incorporate much higher strength than traditional bolts with incomparable flexibility to adjust to the movement of the earth's strata.

Cable Bolts are applicable where standard ground support is marginal or inadequate. Common application areas include: tail gates, bleeder, recovery room, set-up room, head gates, intersections and other mine areas where additional support is indicated.

Minova leads the way with low profile cable bolt technology.

#### **Convenience. Safety. Efficiency.**

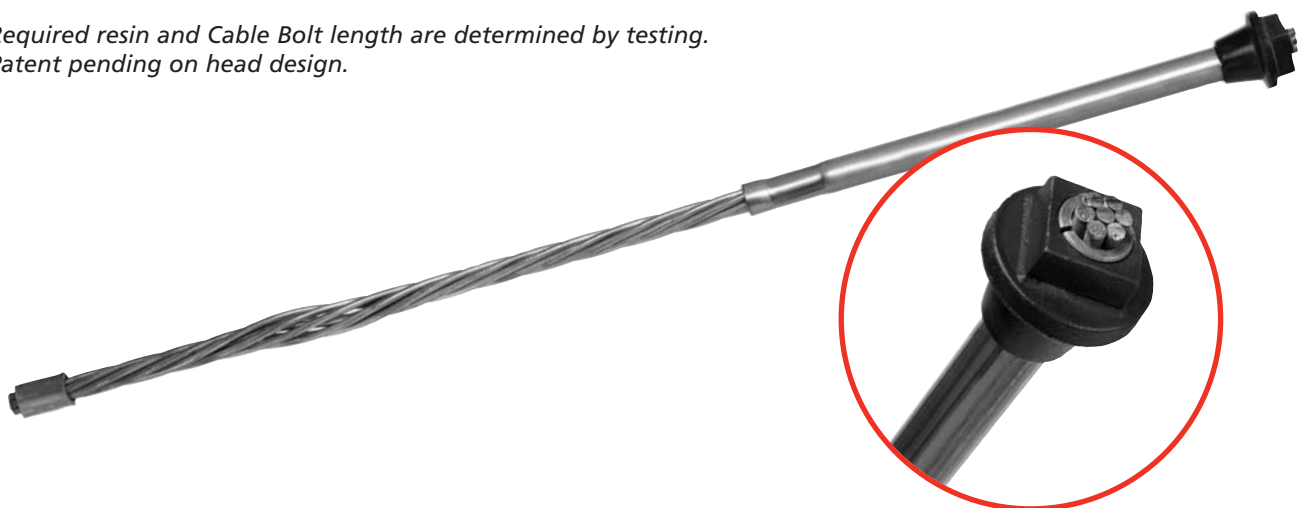
- Uses existing bolting equipment
- Reduces or eliminates the need for expensive cribbing or standing supports
- Available in long one-piece fixtures in any seam height
- Lowers costs by enhancing ventilation
- Strengthens and reinforces roof structures

*Continued >*

#### **Specifications:**

Material	Strand	Borehole	Ultimate Load	Patent
0.6" Gr270K	Bright, Galvanized	1", 1-3/8"	Approximately 30 tons	5,230,589 and 5,259,703
0.7" Gr270K	Bright, Galvanized	1", 1-3/8"	Approximately 40 tons	

*Required resin and Cable Bolt length are determined by testing.  
Patent pending on head design.*



# Cable Bolt

## Significant Advancement in Roof Support Technology

- Available in two diameters
- Galvanized strand is available for applications where stand times are greater than one year
- Minova's exclusive bulbing system provides improved resin mixing and anchorage
- Available in passive or post-tensioned systems

## Installation Procedures:

1. Drill hole at proper diameter and depth.
2. Insert appropriate Minova resin cartridge. It is critical that resin cartridges are inserted all the way to the top of the borehole before cartridges are broken. This is accomplished by pushing the cartridge with the Cable Bolt by hand.

3. Rotate Cable Bolt to the top of the borehole. It may be necessary to push Cable Bolt by hand (or with the bolting machine) before bolt head can be inserted into spin-in wrench.
4. Once the Bearing Plate reaches the roof, spin bolt to ensure complete mixing of resin. **Rotate the cable in the clockwise direction only.**
5. Stop rotation.
6. Apply full thrust with bolting machine and hold constant until resin sets.

*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.

## 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.



**Minova USA Inc.**

150 Carley Court

Georgetown, KY 40324 USA

Phone 502 863 6800

Fax 502 863 1374

Email [sales.info@minovaint.com](mailto:sales.info@minovaint.com)

Website [www.minovausa.com](http://www.minovausa.com)



A member of the Orica Group