

**MINING**

**SQUARE HEAD CABLE BOLT**

**SPECIAL DEFORMED STRAND**

**DESCRIPTION**

Minova's patented\* SDS Square Head Cable Bolts are designed to provide the same versatility as traditional cable bolts while providing a higher degree of anchorage capacity. Added benefits of this cable bolt with its innovative square head indented strand design are improved resin/strand mechanical interlock, eliminated or reduced bulbs, lower hydraulic pressure during insertion and better encapsulation.

SDS Square Head Cable Bolts can be used in every application where traditional cable bolts are used and where standard ground support is marginal or inadequate. Common application areas include gate roads, bleeder, recovery room, set-up room, intersections and other mine areas where additional support is indicated.

\* Patent Pending

**Enhanced Performance, Maintaining Versatility and Strength**

- 1 1/8" square head allows use of existing bolting equipment — no additional wrench required
- Requires no additional training
- Improved low profile square head design
- Provides enhanced resin/strand mechanical interlock eliminating the need for bulbing
- Better resin encapsulation
- Strengthens and reinforces roof structures
- Reduces or eliminates the need for expensive cribbing or standing supports
- Available in long one-piece bolts for any seam height



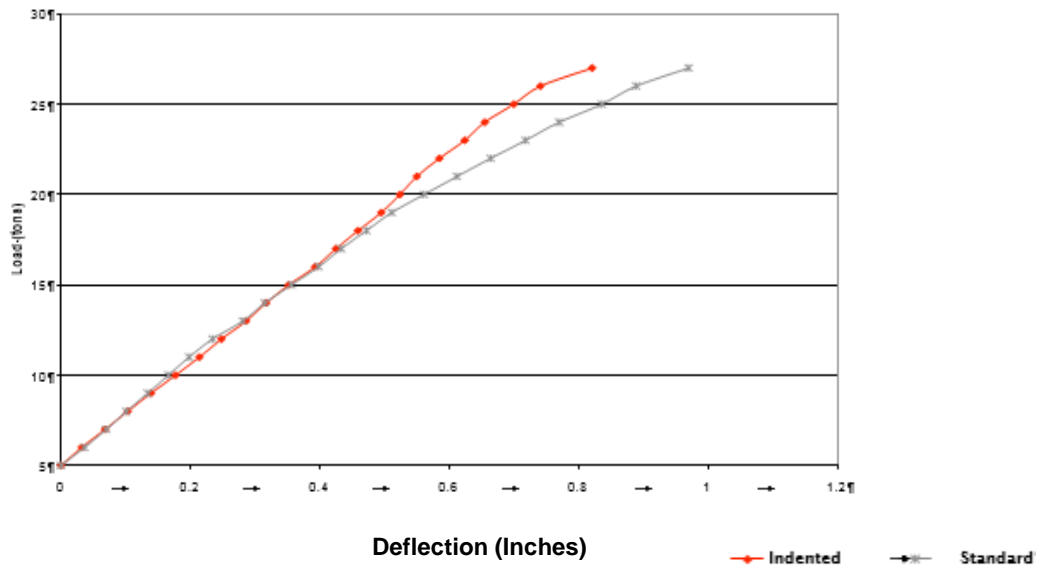
1. Drill hole at proper diameter and depth.
2. Insert appropriate Minova resin cartridge. It is critical that resin cartridges are inserted all the way to the top of the borehole before cartridges are broken. This is accomplished by pushing the cartridge with the Cable Bolt by hand.
3. Rotate Cable Bolt 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 the chuck.
4. Once the Bearing Plate reaches the roof, spin Cable bolt to ensure complete mixing of resin, counter-clockwise direction only.
5. Stop rotation and apply full thrust with bolting machine and hold constant until resin sets.
6. Apply torque with bolting machine in accordance with approved roof control plan.

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

**TECHNICAL DATA**

Material	Strand	Borehole	Ultimate Load
0.6" Gr270K	Black, indented	1"	Nominal 30 tons

**10' Cable Pulls  
Indented vs Standard Strand**



**APPROVALS AND CERTIFICATES**



an ISO 9001:2015  
Quality Management System Certified Company.

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### ADDITIONAL DOCUMENTATION

Started more than 135 years ago, Minova is a global manufacturer and supplier of chemical and mechanical earth control products and support equipment. With manufacturing plants on five continents and operations in more than 25 countries, Minova is an industry-leading provider of ground support solutions for the underground mining, construction and energy industries.

If further information is required consult Minova Americas website: [www.minovaglobal.com](http://www.minovaglobal.com).

- Steel Bolts, Plates, Other Steel Articles Safety Data Sheet (SDS)
- Minova Guide to Resin-Grouted Rock Bolts
- Minova Chemicals, Polymers & Steel Application Guide
- Minova Square Head Cable Bolt Product Brochure

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