

**POINT ANCHOR SYSTEM**

**DOUBLE LOK BOLT**

Minova’s Double Lok Bolt is state-of-the-art for both anchorage and speed. It boasts a double benefit and provides greater control at a lower cost.

The Double Lok Bolt does not require any special tools or installation techniques. Instead, when used with the proper Minova resin, the expansion shell of the Double Lok Bolt sets the initial anchorage and allows the resin to cure while the rock is in a state of compression.

Additional anchorage for this system takes place along the interface of the bolt shaft, resin and bore-hole wall. The “combination anchorage” of the expansion shell and resin has proven very successful for adverse ground conditions

**INSTALLATION PROCEDURES**

1. Drill hole at proper diameter and depth.
2. Make depth 2” longer than the bolt.
3. Insert appropriate Minova resin cartridge.
4. Insert Double Lok Bolt and Bearing Plate to within 1/16” to 1/8” of roofline.
5. Rotate bolt using drill pre-set to proper torque. Bearing Plate should be tight against roof.

**SPECIFICATIONS**

Bar Diameter & Grade	Min Yield	Min Tensile	Borehole	Shell	Plate	ft-lbs
#5 (16 mm) Gr60	13,600 lbs	20,300 lbs	1”	Standard	Gr2	125 - 225
5/8” SRD Gr75	17,000 lbs	22,600 lbs	1”	Standard	Gr2	125 - 225
#6 (19 mm) Gr40	13,400 lbs	23,400 lbs	1-3/8”	Standard, Long	Gr3, Gr4	125 - 225
#6 (19 mm) Gr60	20,000 lbs	30,100 lbs	1-3/8”	Standard, Long	Gr3, Gr4	150 - 275
3/4” SRD Gr75	25,100 lbs	33,400 lbs	1-3/8”	Standard, Long	Gr3, Gr4	175 - 300
#7 (22 mm) Gr40	18,500 lbs	32,300 lbs	1-3/8”	Standard	Gr3, Gr4	175 - 300
#7 (22 mm) Gr60	27,700 lbs	41,600 lbs	1-3/8”	Standard	Gr3, Gr4	200 - 350
7/8” SRD Gr75	34,700 lbs	46,200 lbs	1-3/8”	Standard	Gr3, Gr4	250 - 375



## 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 Rock Bolting
- Minova Chemicals, Polymers & Steel Application Guide

## MANUFACTURER

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