

MINOVA

MECHANICAL / EXPANSION SHELL BOLT



DESCRIPTION

The Mechanical / Expansion Shell Bolt provides support by the suspension method. The mine roof is effectively suspended by anchoring the different layers of strata together. Anchorage is accomplished with the assistance of an expansion shell. The Mechanical / Expansion Shell Bolt is tensioned during installation, which sets the expansion shell against the borehole wall. Mechanical / Expansion Shell Bolts are offered with a standard expansion shell or bail style expansion shell.

INSTALLATION PROCEDURES

1. Drill hole at proper diameter.
2. Drill hole depth to 2" longer than the bolt.
3. Insert Mechanical Bolt and Bearing Plate to within 1/16" to 1/8" of roofline.
4. Rotate bolt using drill pre-set to proper torque. Bearing Plate should be tight against roof.

TECHNICAL PROPERTIES

BAR DIAMETER & GRADE	MIN YIELD	MIN TENSILE	BOREHOLE	INSTALLATION TORQUE
5/8" Gr75	17,000 lbs	22,600 lbs	1", 1-3/8"	125 - 250
3/4" Gr75	25,100 lbs	33,400 lbs	1-3/8"	175 - 300
7/8" Gr75	34,700 lbs	46,200 lbs	1-3/8"	250 - 375

MANUFACTURER

Minova Canada Inc

An ISO 9001:2015
Quality Management Certified Company
Certificate No. FM 686583

Original Registration Date: 1995-02-15
Latest Revision Date: 2025-02-06



CUSTOMER SERVICE

Minova Canada Inc
29 Linden Street
Hamilton, Ontario
L8L 8E1
Email: sales.canada@minovaglobal.com

DISCLAIMER

All information contained in this document is provided for informational purposes only and is subject to change without notice. Since Minova cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Minova specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Minova specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.