MINOVA

MY BOLT

HYBRID DYNAMIC SUPPORT

DESCRIPTION

Minova MY Bolt has superior load bearing capacity and dynamic performance capability with immediate engagement in difficult strata conditions. Providing full-length frictional support and solid bar preloading with toe anchoring. Minova MY Bolt consists of a 47mm Friction bolt with a high strength 22mm solid bolt, forming the inner core.

Minova MY Bolt features a unique expandable anchor with heavy duty wedge feature working in tandem to provide effective anchorage. Minova MY Bolt features 36 AF heavy duty nut to provide effective preloading, efficient and dependable load transfer to the plate. Minova MY Bolts can support over 27T of load. Minova products are manufactured to stringent specifications at our state-of-the-art facility. Available in 2.4M & 3M versions. Additional lengths available to suit mine specifications.

ADVANTAGES

- Cost effective single pass installation
- Easy installation with standard Jumbo attachments
- High load bearing capacity without use of grouts or resin
- Proven performance under extreme conditions
- Dependable support under seismic conditions
- Controlled energy absorption
- Reliable breaking system
- Immediate and long-term support
- Compatability with various ground conditions

APPLICATION AND USES

The Minova MY Bolt is engineered for dynamic ground control in underground mining and tunneling environments where rockburst, seismic activity, or squeezing ground conditions present significant challenges. It delivers immediate energy absorption and controlled yielding under dynamic loads, making it ideal for deep-level hard rock mines, development headings, and areas prone to sudden ground movement.

Combining tensioned reinforcement with dynamic capacity, the Minova MY Bolt ensures both static load-bearing and energy dissipation, enhancing safety and productivity in high-risk zones while maintaining efficient installation.

TECHNICAL PROPERTIES

PROPERTIES	MY BOLT 47
Bolt diameter [1] (mm)	22
Bar Elongation [1] (%)	23
Friction Bolt Thickness [1] (mm)	3.1
Yield Force [1] (kN)	220
Tensile Force [1] (kN)	270
MY Bolt Plate Load Rating [1]	230
Maximum Displacement/Yield [1] (mm)	>250
Dynamic Capacity [1] (kJ)	30
Product Weight [1] 2.4M/3M (Kg)	15.3/18.5

[1] Typical

SUPPORTING PRODUCTS

Plates

Minova can supply a comprehensive range of plates for use with friction bolts. Plates most typically used with MY Bolts are:

ITEM CODE	DESCRIPTION	IMAGE
NT0005113	PLATE MYBOLT 200X200 GL	
NT0005115	PLATE COM MY 280X300 200X165X5 GL	

Drivers

Minova can supply a range of drivers for use with hand-held or mechanised bolting equipment.

ITEM CODE	DESCRIPTION	IMAGE
NT0004600	DRIVER MY BOLT 47 T38	

PACKAGING AND TRANSPORTATION

MY Bolt are packaged in bundles of 120.

ITEM CODE	DESCRIPTION
NF0004947	BOLT MY 47X2400MM GL
NT0005177	BOLT MY 47X3000MM GL

APPROVALS AND CERTIFICATES

- Comply with AS 1554.1
- Comply with AS/NZS 4680

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

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

By Royal Charter

CUSTOMER SERVICE

Minova Canada Inc

29 Linden Street

Hamilton, Ontario

L8L 8E1

Email: sales.canada@minovaglobal.com

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