

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:

| DESCRIPTION | IMAGE |
|--------------------------------------|---|
| PLATE MYBOLT 200X200 GL |  |
| PLATE COM MY 280X300 200X165X5 GL |  |

Drivers

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

| DESCRIPTION | IMAGE |
|-----------------------|--|
| DRIVER MY BOLT 47 T38 |  |

PACKAGING AND TRANSPORTATION

MY Bolt are packaged in bundles of 120.

| DESCRIPTION |
|----------------------|
| BOLT MY 47X2400MM GL |
| BOLT MY 47X3000MM GL |

APPROVALS AND CERTIFICATES

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

DISCLAIMER

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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 Runaya Pvt Ltd

An ISO 9001:2015

Quality Management Certified Company

Certificate No. GSCI-IN/QMS/2024/007

CUSTOMER SERVICE

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