

TECHNICAL DATA SHEET

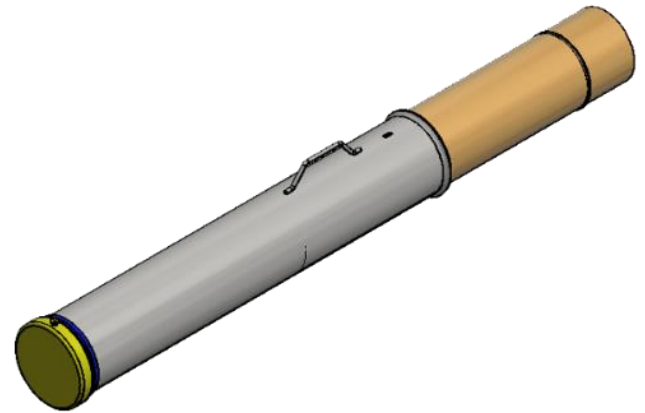


BOSSPROP

HIGH PERFORMANCE YIELDING ELONGATE

DESCRIPTION

The Bossprop is an engineered elongate with a diameter of 171 mm, which consists of a steel tube and two types of timber Saligna for load bearing and Pine for yielding characteristics, fitted with a pre-stress unit. Load-carrying capacity of +20 tons and a yield range of +350mm.



PART LIST

Quantity	Part Name
1	Pine Insert
1	Steel Tube
1	Energizer inner
1	Turned Pole Insert
1	Pre-stress unit
1	Handle
1	Wire
1	Gangnail

SIZE

Bossprop Size	Approx. Weight
1.2 m	32.3 kg
1.4 m	37.6 kg
1.5 m	39.9 kg
1.6 m	44.5 kg
1.8 m	49.4 kg
2.0 m	55.3 kg
2.2 m	61.2 kg
2.4 m	67.5 kg

APPLICATION METHOD

- Ensure all loose rock is removed from the hanging wall, and the footwall is thoroughly cleared of debris.
- Mark the positions on both the hanging wall and the footwall for each prop.
- Position the measuring staff at a 90° angle to both the hanging wall and footwall, ensuring the headboard is properly secured, and then determine the required prop length.
- Cut Bossprop to correct length.
- Ensure that the Bossprop is correctly aligned with the designated marked positions before proceeding to pump.
- Pumping is complete when the needle on the gauge reaches approximately 14 MPa.
- Ensure that the Bossprop is installed at a 90° angle to both the hanging and footwall.
- If properly installed, the prestress unit should not elevate more than 60mm.

ADVANTAGES

- This high-performance yielding elongate maintains a consistent load due to its innovative design, incorporating "softer" timber elements within the prop.
- Distinctive performance characteristics between timber elongates
- Uniform performance results in improved hanging wall conditions.
- Designed to cope with underground conditions.
- The unique adaptor plate prevents point loading and allows for flexible swivel action, enhancing overall performance.

PACKAGING

Packaged on a pallet containing 25 units, with shrink wrap applied for protection against adverse weather conditions.

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QUALITY ASSURANCE

Rainbow Mining Support (Pty) Ltd production and testing programs comply with all local (ISO 9001:2015) and international testing standards.

CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

www.rainbowms.co.za

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