

WE REINFORCE THE MINES®

HRB® HOLLOW ROCK BOLT

RSC Ekusasa Mining is the Original Equipment Manufacturer (OEM) and supplier of HRB® bolts to the mining industry in Africa.

Description

The HRB® bolt is a hollow bolt used in resin or grout installations, typically in hard rock mines where larger diameter support holes are drilled.

The 27mm HRB® bolt is typically used with 34mm, 36mm and 38mm diameter holes. This enables that the correct ratio between hole diameter and bar diameter (annulus) is achieved.

The HRB® bolt has a tensile strength of 135 kN and is manufactured in most standard lengths.

In narrow stope heights, the bolt can be supplied with a coupler to facilitate the installation process.

The HRB® bolt can be galvanised or DisTeK™ coated if required.

Advantages of the product

- The most cost effective system for larger hole resin installations.
- Ensures correct annulus for large diameter holes when used with resin grout.
- The patented bar end ensures optimal resin mixing.
- The bar profile ensures an optimised bond between bar and grout.
- Cement grouting can be done through the centre of the bolt to ensure full column grouting.
- Can be fitted with a mechanical anchored shell.
- Easier to handle underground due to its lower mass.
- Can be fitted with a patented Load Indicator.



HRB® bolt shown equipped with nut, load indicator and bearing plate.



Bar end closed to prevent ingress of resin / grout and to facilitate the mixing of resin.



HRB® Bolt coupling

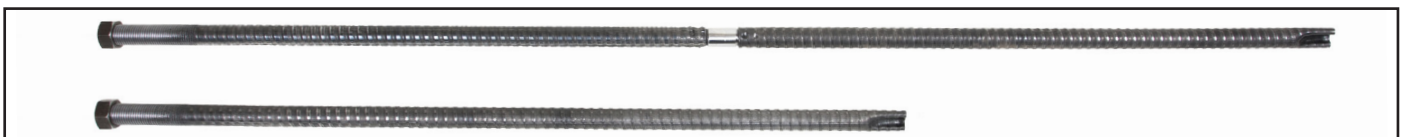
Dimensional Specifications

Lengths (m)	Diameter (mm)
1	27
1.6 (Coupled)	27
Other lengths available as per customer requirements.	

General Disclaimer

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Coupled HRB® Bolt (top)
Standard HRB® Bolt (below)