

Lokset[®] Resin Cartridges E Series

Reinforced Polyester Resin Anchor

Uses

The Lokset[®] Resin Cartridge E Series is specifically designed to be used in conjunction with a #7 (7/8") steel roof bolt in a 1-3/8" borehole. The principal applications for the Lokset[®] Resin Cartridge E Series include fully grouted rebar, tension rebar, doweling and resin enhanced mechanical anchors.

Advantages

- **Proven** - After introducing resin anchors to the United States in 1971, Lokset[®] Resin Cartridges have a proven record of success.
- **Strong** - When used properly, Lokset[®] Resin Cartridges consistently surpass the strength of the bolt or the surrounding strata, whichever is weaker.
- **Rigid** - Through innovative product engineering and manufacturing, the Lokset[®] Resin Cartridge E Series is stiff and easy to handle during installation.
- **Variety** - The Lokset[®] Resin Cartridge E Series is available in a wide variety of lengths and speeds which will satisfy most applications.
- **Viscosity** – The Lokset[®] Resin Cartridge E Series is available in High, Medium and Low Insertion Force (LIF) viscosities. The LIF formulation is unique in the industry and provides optimum performance with cable and mechanical assisted resin point anchor rock bolts.

Description

In most applications, Lokset[®] Resin Cartridges can enhance the performance of your current roof control system. The Lokset[®] Resin Cartridge consists of two compartments separated by a physical barrier. One compartment contains a polyester resin mastic and the other an organic peroxide catalyst. The rotation of the bolt during installation ruptures the cartridge, shreds the film and mixes the two components, thus causing a chemical reaction which transforms the resin mastic to a rock solid anchor.

The Lokset Resin Cartridge E Series is intended for use in a 1-3/8" borehole with a #7 (7/8") bolt. The E Series Cartridge is 32mm or 1-1/4" in diameter. This combination has been proven effective in difficult roof conditions.

The E Series Cartridge is available in lengths ranging from one to seven grouted feet. The cartridge is also available in a variety of speeds including: Super Slow (1530), X-Slow (0510), Slow (-90), Medium (-45), Fast (-35), X-Fast (-20) and Super Fast (-10). A slow cartridge gels in one minute at 90°F, medium gels in one minute at 45°F, etc. For more information, please refer to the Lokset[®] Resin Cartridge product line brochure.

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Lokset®

Resin Cartridges

E Series

General Installation Instructions For Fully Grouted Systems

Contact your local representative if the E Series Cartridge is to be used in other applications.

1. Before use, read the installation and safety information provided with each box. Read the material safety datasheet.
2. To obtain a consistent set time, make sure the E Series Cartridge and bolt are at mine temperature before use.
3. Drill the borehole to the correct diameter (1-3/8") at a depth 1" longer than the bolt.
4. Insert the required number of E Series Cartridges.
5. Push the bolt into the hole. Slow rotation of the bolt as it passes through the cartridge is suggested but not required.
6. Just below the roof, stop and spin the bolt to mix the cartridge approximately 3 to 8 seconds.

7. Stop rotation and push the bolt upward with full thrust until the resin sets.
8. **Do not over spin the bolt.** If bolt rotation continues through the gel time, damage to the anchor may occur.
9. **Never re-spin the bolt.** Bolt rotation after the final spin may damage the partially set resin.

Packaging

Product packaging is dependent upon cartridge length. Please refer to the Lokset® Resin Cartridge product line brochure for packaging information.

Shelf Life

One year when stored in a cool, dry place. For maximum performance, stock rotation is strongly recommended.

For further information, please consult your local Minova representative.

Minova Americas Products

Bolts and Plates

Anchoring Products

Pumpable Cementitious Grouts

Airtite® Sealants and Coatings

Chemical Grouts

Important Note: Warranty

Minova USA Inc. warrants that its products, at the time of shipment, conform to the applicable descriptions set forth in the invoice and are free from defects in material and workmanship. NO OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF ANY MINOVA USA INC. PRODUCT, AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.

All claims under this warranty must be made in writing to Minova USA Inc. within 15 days after discovery of the defect, and within 90 days of the date of shipment by Minova USA Inc. of the product claimed defective. Upon timely receipt of a claim, Minova USA Inc. shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to Minova USA Inc. for inspection. Claims not made as provided above and within the applicable time period will be barred. All warranties shall be null and void if the products have not been stored and used in accordance with procedures recommended by Minova USA Inc.

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