

Lokset[®] TOOSPEEDIE Resin Cartridge

Reinforced Two Speed Polyester Resin Anchor

Uses

The Lokset[®] TOOSPEEDIE Resin Cartridge is used as a chemical anchoring grout for rockbolts and long tendons to provide primary roof and side rib support in mines and tunnels. The principle application for the Lokset[®] TOOSPEEDIE Resin Cartridge is in tension rebar systems.

Advantages

The advantages of fast and slow speeds that are color coded in one capsule are as follows:

- Reduced handling
- Reduced waste
- Rapid insertion, easy and quick to use
- Helps ensure fast end of cartridge inserted first
- Guarantees both fast and slow set cartridges are installed
- Both speeds compatible, resulting in reduced back pressure and easier penetration
- Allows roof bolt to be pre-tensioned quickly
- A unique design of cartridge configuration enabling extremely effective mixing of resin mastic and catalyst compartments

Description

The Lokset[®] TOOSPEEDIE Resin Cartridge consists of accurately proportioned fast and slow speeds, reinforced, thixotropic polyester resin mastic in one compartment. The other compartment contains an organic peroxide catalyst separated by a physical barrier. The cartridge is available in a predetermined ratio of fast:slow speeds. The rotation of the bolt

during installation ruptures the cartridge, shreds the skin and mixes the two components, causing a chemical reaction and transforming the resin mastic into a rock solid anchor.

The Lokset[®] TOOSPEEDIE Resin Cartridge is available in a wide variety of lengths and speeds to satisfy many applications. It is available in High, Medium and Low Insertion Force (LIF) viscosities in both the A and B Series.

The A Series Lokset[®] TOOSPEEDIE Resin Cartridge is intended for use in a 1" borehole with a #6 (3/4") bolt. The A Series cartridge is 23mm or 0.9" in diameter. This combination provides the ideal annulus for proper mixing and maximum performance.

The A Series cartridge is available in lengths ranging from one to eight grouted feet. The two speed cartridges are 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.

The B Series Lokset[®] TOOSPEEDIE Resin Cartridge is intended for use in a 1" borehole with a #5 (5/8") bolt. The B Series cartridge is 23mm or 0.9" in diameter. This combination has been proven to be an economical and effective roof control system.

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The B Series cartridge is available in lengths ranging from one to seven grouted feet. The two speed cartridges are 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.

General Installation Instructions for Fully Grouted Systems

Contact your local representative if the A or B Series cartridges are 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 Lokset® TOOSPEEDIE Resin Cartridge and bolt are at mine temperature before use.
3. Drill the borehole to the correct diameter (which is 1" for A and B Series) at a depth 1" longer than the bolt.
4. Insert the Lokset® TOOSPEEDIE Resin Cartridge.
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 faster resin sets.
8. Tension the bolt by torquing the nut to manufacturer's recommendation.

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.

Minova Americas Products

Bolts and Plates

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