

MINING / CONSTRUCTION

LOKSET® TOOSPEEDIE® RESIN CARTRIDGE

TWO SPEED POLYESTER RESIN ANCHORING SYSTEM

DESCRIPTION

Lokset® TOOSPEEDIE® eliminates the need to use multiple resin cartridges to achieve pre-tensioning of fully encapsulated resin grouted rock bolts.

The cartridges are available in multiple set time ratios allowing for various combinations of set times.

Lokset® TOOSPEEDIE® Resin Cartridges consist of fast and slow speed polyester resin mastic in one sausage-shaped cartridge. One cartridge compartmentalizes a resin mastic, and the other compartment a catalyst hardener.

Lokset® TOOSPEEDIE® products are used in conjunction with steel (rebar) and cable bolts. Insertion and rotation of the bolt 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.

Lokset® TOOSPEEDIE® Resin Cartridges are available for A, and B Series applications as well as High, Medium, Low and Very Low Insertion Force viscosities.

APPLICATION AND USE

Lokset® TOOSPEEDIE® is used for permanent rock reinforcement in mines, tunnels and foundations.

ADVANTAGES

- Proven – decades of use in the United States
- Rapid – enables fast installation with application of load in minutes
- Efficient – allows roof bolt to be tensioned immediately after installation



APPLICATION METHOD

Contact your local Minova representative if the Lokset® TOOSPEEDIE® Resin Cartridges is to be used in other applications.

1. Before use, read the installation and safety information provided to include the product Safety Data Sheet (SDS).
2. To obtain a consistent set time, make sure the Lokset® TOOSPEEDIE® Resin Cartridges and bolt are at a minimum 50°F temperature before use.
3. Drill the borehole to the correct diameter at a depth equal to the length of the bolt plus 1-inch. Mark the drill steel to use as a guide.
4. Insert the appropriate cartridge and push the bolt into the hole. Slow rotation of the bolt as it passes through the cartridge is suggested but not required. Ensure each capsule is completely punctured.
5. Just below the roof, stop and spin the bolt a minimum of 35 revolutions to mix the cartridge. This should take 3 to 8 seconds.
6. Stop rotation and push the bolt upward with full thrust until the resin sets.

SAFETY INSTRUCTIONS AND LIMITATIONS

Do not over-spin the bolt. If bolt rotation continues through the gel time, damage to the setting resin may occur.

Never re-rotate the bolt. Bolt rotation after the final spin may damage the partially set resin.

Observe the usual precautionary measures for handling chemicals, see Lokset® TOOSPEEDIE® Resin Cartridge SDS.

PACKAGING AND TRANSPORTATION

Product packaging is dependent upon cartridge length. Please contact a Minova Customer Service Representative for packaging information.

STORAGE AND SHELF LIFE

Lokset® TOOSPEEDIE® Resin Cartridges can be stored for 12 months in a cool dry, ventilated place. Store away from direct sunlight or other heat sources which can reduce products usability and shelf life.

DISPOSAL

This product does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

APPROVALS AND CERTIFICATES



an ISO 9001:2015
Quality Management System Certified Company.

DISCLAIMER

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ADDITIONAL DOCUMENTATION

If further information is required consult Minova Americas website: www.minovaglobal.com.

- Lokset® TOOSPEEDIE® Resin Cartridge SDS
- The Minova Guide to Resin-Grouted Rockbolts
- Lokset® Resin Cartridge Anchors for Rock and Concrete Reinforcement Brochure
- Minova Lokset® Product Specification

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