

# QUICK-CHEM™



## Resin Capsule Insertion System

### Uses

The QUICK-CHEM system is used in conjunction with Lokset® resin capsules to ensure quick, safe, efficient and remote insertion of the resin capsule into the bolt hole for mines and tunnels.

### Advantages

- Safe; enables resin capsule to be inserted in bolt hole from remote location under supported ground
- Quick; no requirement for lifting baskets or manual resin insertion, capsule can often be placed in insertion tube from operators cab
- Efficient; up to 300 hole insertions can be achieved from each tube
- Easy to use; clear tubing indicates position of resin capsule
- Robust; strong and flexible insertion tube
- Versatile; can be used with most drill rigs such as Robolters, Jumbo's, Boltec etc and in most rock bolting situations
- Adaptable; can be inserted through mesh and broken ground
- Reliable; assists the resin capsule in reaching the back of the hole undamaged

### Description

The QUICK-CHEM system consists of a specially designed cap suitable for attaching to 25mm nominal diameter or 26mm diameter Lokset resin capsules.

In addition an insertion tube consisting of a threaded R32 coupling sleeve (that locates in the drill pod of the jumbo drifter in seconds) is secured to a 3 metre length of clear, high strength, flexible polycarbonate tubing.



### Technical support

Minova Australia together with your local distributor offers a complete technical and field support service. Also Australian Mining Solutions (AMS) are available for onsite instruction and training with the system. See also the AMS web site at [www.QUICKCHEM.com.au](http://www.QUICKCHEM.com.au)



### Application Instructions

1. Securely attach appropriate QUICK-CHEM cap to the end of the Lokset resin that is to go at the top of the hole. (Ensure cap is attached to the Fast end of the capsule that goes in the hole first).
2. Place the capsule with cap attached in the QUICK-CHEM inserter tube. Often the operator can place the capsule in the tubing from the Jumbo cab.
3. Place the tube in the drifter. (After the first placement of the tube in the drifter the tube can remain in position).
4. Locate the hole with the tube and push up the hole until the resin capsule cannot be seen.
5. Withdraw the tube and the capsule is securely located in the hole ready for bolt insertion.

### Equipment

The QUICK-CHEM system with Lokset resin capsules is compatible with most bolting rigs in use in Hardrock mines:

- § Jumbos
- § Robolter
- § Boltec

### New 'X2' Lokset Resin Capsules

The X2 resin capsule system enables achievement of 100% encapsulation using a single resin unit rather than multiple capsules.

- § X2 capsules are available for use with the QUICK-CHEM or other installation systems if required. X2 capsules are joined together during the manufacturing process.

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- § Available in single speed eg RA120025MX2 (pictured over, 2 x 1200mm lengths of Medium set) or 50:50 'TOOSPEEDIE' format eg TS120026MSX2 (1200mm of Medium set connected to 1200mm of Slow set, giving a total capsule length of 2400mm).
- § Enables efficient use of the QUICK-CHEM installation system.
- § Eliminates requirement to use 2 separate capsules
- § No capsule connectors or joiners required.
- § Quick and easy to handle
- § Supplied folded at join in capsule carton
- § Impossible for join to separate



Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- High volume output grouts
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Binder systems and accelerators for backfilling
- Pre-packaged high build spray cements
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation Formwork Systems including: Meshblock, Gunmesh, Tecmesh and Tecplastic
- Grout Mixers and Batchers both air and hydraulically operated
- Contract Installations
- Flexible membranes for strata support and waterproofing applications

If further information is required consult Minova Australia.

## Packaging

### QUICK-CHEM caps

The QUICK-CHEM caps are normally packaged in plastic bags placed within the Lokset resin cartons 9/10 caps per bag depending on capsule diameter. Caps to suit nominal 25mm and 26mm diameter capsules are available ex stock. Should caps be required within the resin box a designated code of Q is added as a suffix eg 46120025MSQ.

### QUICK-CHEM Inserter Tubes with Sleeve

Supplied in bundles of 20 units. The tube and sleeve can be purchased separately if required.

## Precautions

### Health and Safety

Follow guidelines as directed by mine, for personal protective equipment required underground.

## Additional information

QUICK-CHEM system is subject to Patent Pending No. PR7359 and is exclusively distributed by Minova Australia Pty Ltd under licence from AMS (Australian Mining Solutions).

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