SANDVIK

End-to-end resin bolting with Sandvik
One source for customized solutions



With our extensive portfolio of underground drill rigs, resin systems, bolts, pumpable resin, and resin capsules, we support our customers in defining the perfect solution for their individual needs. The unique combination of consumables and installation systems provided by the same supplier ensures improved efficiency and saves time.

Resin bolting solutions for Sandvik DD422i/iE Dual Controls

Sandvik DD422i/iE Dual Controls is designed for the toughest work environments. Equipped with the optional pumpable resin system, the drill ensures reliable support even in difficult ground conditions.

The process of resin pumping and grouting is fully controlled and monitored through the operator display, and the fast injection makes re-entry time to recently supported areas shorter. It can be used in weak ground conditions; the resin can achieve 25 tons pull-out force in less than 10 minutes, whereas cement will require between 24 to 48 hours.

Our Mineral Bolt pumpable resin is the optimized choice for bolting operations. The resin is designed to firmly fix mechanical bolts or anchors in the borehole, stabilize grout for heavily cracked rock mass, seal against gas penetration, and stop water inflows. Mineral Bolt is available in several versions, varying in reaction times and the thixotropy effect. It has an adjustable setting time and can be used in a broad range of ambient temperatures.

The set-up supports self-drilling bolts (SDB), solid rebar and hollow bar bolts (HBB), which are available from our extensive bolt product offering.





Resin bolting solutions for Sandvik iSeries rock bolters

Sandvik iSeries bolters DS412i, DS412iE and DS512i are highly automated rock bolting rigs for underground mining operations and civil construction tunneling.

The combination of the pumpable resin system with our intelligent machines ensures reliable support even in difficult ground conditions. One bolt automation: drilling and bolt installation is done automatically for consistent quality.

The i-Class platform offers various levels of automation for rock support drilling.

The set-up supports self-drilling bolts (SDB) and hollow bar bolts (HBB), which are available from our DSI Hollow Bar System.

This option is fully compatible with our Mineral Bolt pumpable resin, available in several versions matching individual needs.

Sandvik Automatic Resin Capsules Injection system

Sandvik Automatic Resin Capsules Injection System (ARI) is an automatic system which enables a bolting operator to load and inject resin capsules into the borehole before rock bolt installation.

The user interface is fully integrated to the bolter main display, and the operator can follow the different steps of the injection process. The loading tray has two separate storages allowing to load two different types of resin capsules.

ARI can be fitted on Sandvik bolters like DS412i, DS412iE and DS512i. ARI is fully tested and optimized for Fasloc®.

The Fasloc® resin capsules ensure strong and durable bonds between rock bolts and the surrounding rock, providing critical support and stability. The capsules enable convenient applications for short or long rock bolts where a fast cycle time is needed. They are pre-packaged and ready to use, simplifying the mixing and application process.



Resin bolting solutions Overview table



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