

Zero emissions, all applications Go Electric. Go Sandvik



Zero emissions underground drilling

DD422iE, DS412iE, DL422iE

Experience cleaner, quieter and more efficient underground operations with Sandvik's leading range of battery electric underground drills.

Sandvik battery electric drills are field tested in all underground drilling applications and reduce harmful emissions underground, while offering higher performance, reduced infrastructure, and optimized battery charging time via our Charging While Drilling technology. Operator comfort is prioritized further with reduced vibrations, heat and noise during tramming.

Mine owners and contractors benefit from the advantages of a BEV fleet, including reduced ventilation and cooling needs, increased productivity, reduced fuel costs and Greenhouse Gas emissions, and a competitive Total Cost of Ownership (TCO).

Components commonality across the 400i series drills is key. The user-interfaces of these drills are similar; the common i-class control system enables advanced mine automation and tele-remote control solutions for continuous, unmanned operations through shift changes and breaks. The common i-class platform offers compatibility with the Sandvik digital ecosystem including integration with My Sandvik Remote Monitoring Service, OptiMine[®] Mining Data Platform and AutoMine[®].

BENEFITS



Improved working conditions underground:
Zero emissions while tramming



Lower operating costs:
Reducing thermal load, less requirements for ventilation capacity and need for infrastructure to carry diesel fuel underground



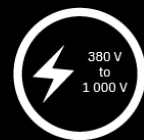
Optimized operations:
Battery recharge during drilling or / and when tramming downhill



High level of performance:
Process optimized with data collection up and down through wireless network



Maximizes mine's electrical infrastructure:
By drawing reserve power from the batteries during peak loads during drilling thanks to the drill's intelligent power management system



Flexibility:
Freedom to move the drill from one site to another with multi-voltage compliant universal electric system



Sandvik DD422iE

Sandvik DD422iE was the world's first battery electric development drill, cementing Sandvik's reputation as the leader in BEV drilling.

The battery-electric drill offers top-level performance, accuracy and reliability for underground mine development and small scale tunneling.

Equipped with a wide range of automatic drilling functions, a new automation package including boom collision avoidance, drill bit changer and tele-remote drilling capability, Sandvik DD422iE helps to safely reduce overbreak with maximized pull-out per blast.

For tough and intensive multi-task usage, the Dual Controls package allows the drill to be used for both ground support and standard face drilling purposes.



Sandvik DS412iE

This battery-electric rock bolter ensures a higher quality of rock reinforcement. This highly instrumented equipment ensures comprehensive data collection through the entire bolting process for better rock supporting quality in drifts and tunnels.

It offers a wide range of bolt types and lengths with high automation levels like one-bolt automation.

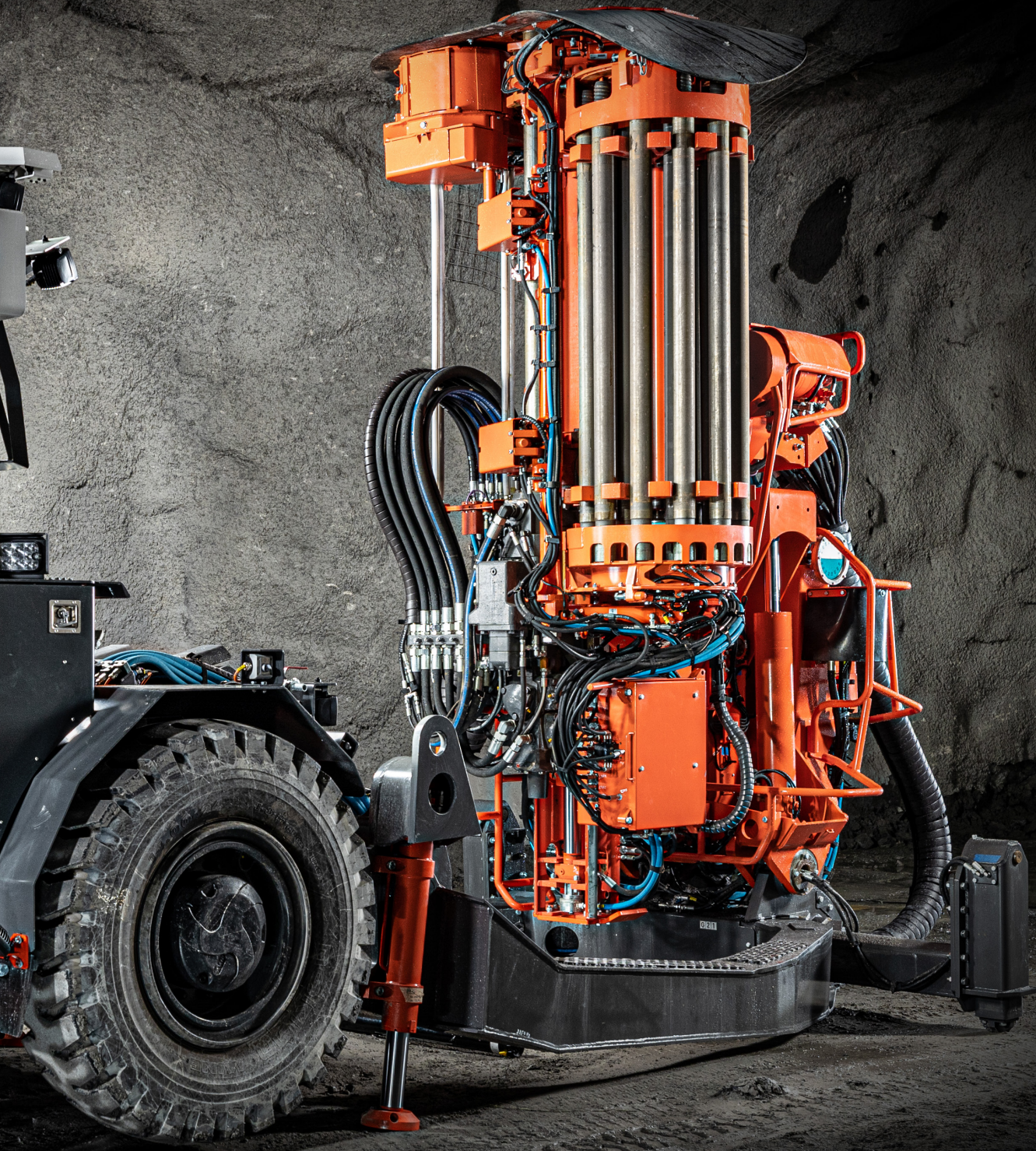


Sandvik DL422iE

This battery-electric, automated and tele-remote operated top hammer long-hole drill ensures maximized ore recovery and minimized dilution in underground mass mining applications. It is suited to the drilling of production or service support holes in 4 x 4 m or larger production drifts.

Equipped with the fully instrumented ZR35 telescopic boom, an automated rod handling system, and the powerful HF1560ST rock drill, Sandvik DL422iE provides accurate positioning, stability and accuracy in drilling for maximum performance.







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