

Sandvik Bolter Miner MB600 Series in Action

Designed for rapid entry roadway development





Operating this machine can be fun



From vision to reality

Unique features of the MB600 series

- Optimized platform size for operator safety and ergonomics.
- Integrated rib protection provides operator safety.
- Data logging with integrated reporting.
- Faster development due to simultaneous cutting and bolting.
- Support canopy behind the cutter drum provides operator safety and stability.
- Low pick tip speed reduces dust generation.
- High pressure water sprays.
- Ventilation at the face, removes gas and dust.
- Sump in by slide frame, so no crawler movement or floor destruction.
- Capacity for four roof bolters and two rib bolters.
- Bolt installation close to face, single pass length 2.4 m.
- PLC control interlocks all machine functions, including sump and shear control.
- Electronic level and cutting height control.
- Health monitoring.
- Fully radio remote controlled, with display.
- In outburst conditions, can be operated with aid of video monitors from safe position.

Sandvik Bolter Miner MB600 series

The Sandvik Bolter Miner MB600 is designed for rapid entry roadway development.

It is basically a widehead continuous miner incorporating special design features for coal cutting and loading.

The outstanding feature of the MB600 is its proven ability to simultaneously cut and bolt and so dramatically lift development rates. It is the first such production machine, available to coal miners anywhere in the world.

Sandvik Mining and Construction's emphasis has been on integration of well proven technology into one machine which gives better advance rates. All of our experience as a leading mining machine manufacturer has been put into this innovative concept.

Bolting rigs are an integrated part of the MB600, and up to four roof bolters and two rib bolters can be fitted. Roof bolters are mounted tiltable to the stationary frame of the machine. Bolts can be installed close to the face.

The machine is available in three basic height models, with various cutting widths to suit the customers' requirements.

MB630: operating height 1.6 – 3.2 m

MB650: operating height 2.2 – 3.6 m

MB670: operating height 3.0 – 4.5 m

Technical data MB670*

General:

Total weight	97 tonnes
Overall length	approx. 11 m
Cutting width in operation (= drum width)	4.2 / 4.8 / 4.9 / 5.2 / 5.5 / 6.0 m
Machine ground pressure	0.22 MPa

Cutting System:

Cutting speed	1.5 m/sec
Cutter motor, installed power	270 kW
Sumping aid (longitudinal slide)	1000 mm

Bolting System:

Distance roof support to face	2.3 m
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Support Canopy:

Total force supplied to the roof	2 x 200 kN
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Loading device:

	spinners
Loading capacity	25 t/min
Conveyor capacity	25 t/min

Tramming speed, variable	3.5 / 7.0 / 17.0 m/min
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Electric System:

Radio Remote Control	1000 / 1140 V / 50 or 60 Hz standard
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