

Building on 30 years of our outstanding patented design, the Sandvik MB670-1 bolter miner is the latest in a range of proven, productive and reliable bolter miners that drive down your total cost of ownership and improve productivity.

This updated machine is purpose-built for longwall mining and offers dozens of significant improvements in productivity, environment, health and safety. Add to that our dedicated service organization, proactive service programs and high-quality parts, and the Sandvik MB670-1 bolter miner brings you the mechanics of mining more.



Test results are to be considered as results reached under certain and controlled test conditions. These test results should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.  
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## THE MECHANICS OF MINING MORE

THE SANDVIK MB670-1 BOLTER MINER



**THE MECHANICS OF MINING MORE**  
30% more productivity in stable ground conditions



**THE MECHANICS OF LOWER TOTAL COST**  
10% lower total cost of ownership over the machine life cycle



**THE MECHANICS OF LONGER LIFE**  
Higher quality and fewer maintenance requirements with new wear materials



**THE MECHANICS OF BEING BETTER**  
Dedicated service for more uptime

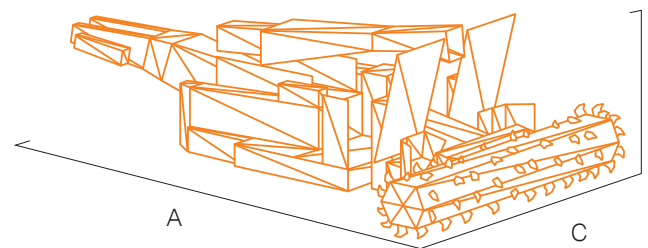


**THE MECHANICS OF EXCELLENCE**  
10% reduction in noise, and new spool monitoring system for improved health and safety

# THE UPGRADED BOLTER MINER

Our upgraded Sandvik MB670-1 bolter miner is full of new innovations that increase quality, improve productivity, and lower your total cost of ownership. It is also recognized as the safest longwall development system.

This next-generation bolter miner builds on the innovative sump frame mechanism that incorporates cutting and bolting into a single machine. In other words, while the machine is stabilized for installing the ground support, the sump frame mechanism continues to move forward to cut out the next cycle, enabling you to get more out of your mine.



	MB670-1	MB670-1 LH	MB670-1 XLH
A. Total approximate length (m)	11.25	11.35	11.63
Total approximate weight (t)	105	98	98
B. Working height (m)	2.8-4.5	2.3-3.3	2.0-2.7 (3.3)
C. Working width (m)	5.2-6.2	5.2-6.0	5.4-6.0
Cutter motor power (kW)	270/315	270/315	270/315
Sump distance (m)	1	1	1
Distance of roof support to face (m)	1.6	1.6	1.4
Number of roof bolters	4	4	4
Number of rib bolters	2	2	2
Loading and conveying capacity (t/min)	25	20	20
Tramming speed (m/min)	3.5/7/15	3.5/7/15	3.5/7/15
Installed power (kW)	546	546	546
Ground clearance (mm)	270	270	260
Ground pressure tramming (N/cm²)	28	26	26

Sandvik Mining reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options.

## INCREASED PRODUCTIVITY

### ADAPTABLE AUTO CUTTING CYCLE

As a result of constant and faster advance cycles, this new cutting cycle shortens your panel development times in stable ground conditions by up to 30% and ensures smoother floor conditions in your mine.

### NEW WEAR MATERIALS

Increase operating times thanks to higher machine utilization and fewer maintenance requirements. Our new wear materials also increase the lifetime of the boom and slide mechanism.

### CUTTING TOOL REPLACEMENT

Increase your machine utilization with our new method of removing cutter pick bushings with oil injection.

## LOWER TOTAL COST

### SIMPLIFIED ELECTRICS AND HYDRAULICS

Our state-of-the-art energy concept reduces energy consumption and increases the time between service intervals.

### DATA RECORDING/DATA LOGGING

Record, log and visualize your operating conditions for greater control and operating efficiency, and carry out predictive maintenance planning to reduce downtime.

### RELIABLE COMPONENTS

24-volt solenoids and improved material specifications of bushings and other parts increase your component lifetime, and extend the time between service intervals from 2 to 2.5 years for major machine overhauls.

## IMPROVED SAFETY

### NEW SPOOL MONITORING SYSTEM

Avoids unintended machine movements.

### WET SCRUBBER EXHAUST SYSTEM

Our redesigned scrubber decreases noise levels by more than 10%, from approximately 90–100 decibels to around 77–90 decibels.

### ERGONOMIC PLATFORM DESIGN

This user-friendly machine improves the ergonomics for your operators.

### SIL2 (SAFETY INTEGRITY LEVEL)

### RATED AND DESIGNED ELECTRIC CIRCUIT

Avoids unintended motor starts for all electric motors on the machine.

## LEADING THE WORLD IN BOLTER MINERS

### BUILT FOR HIGH-EFFICIENCY LONGWALL MINING

At Sandvik, we ensure you get everything you need for longwall development—from our excavation, support, and loading products to transportation and logistics. Our electrically powered, track-mounted bolter miners are specially designed to maximize the cutting of coal

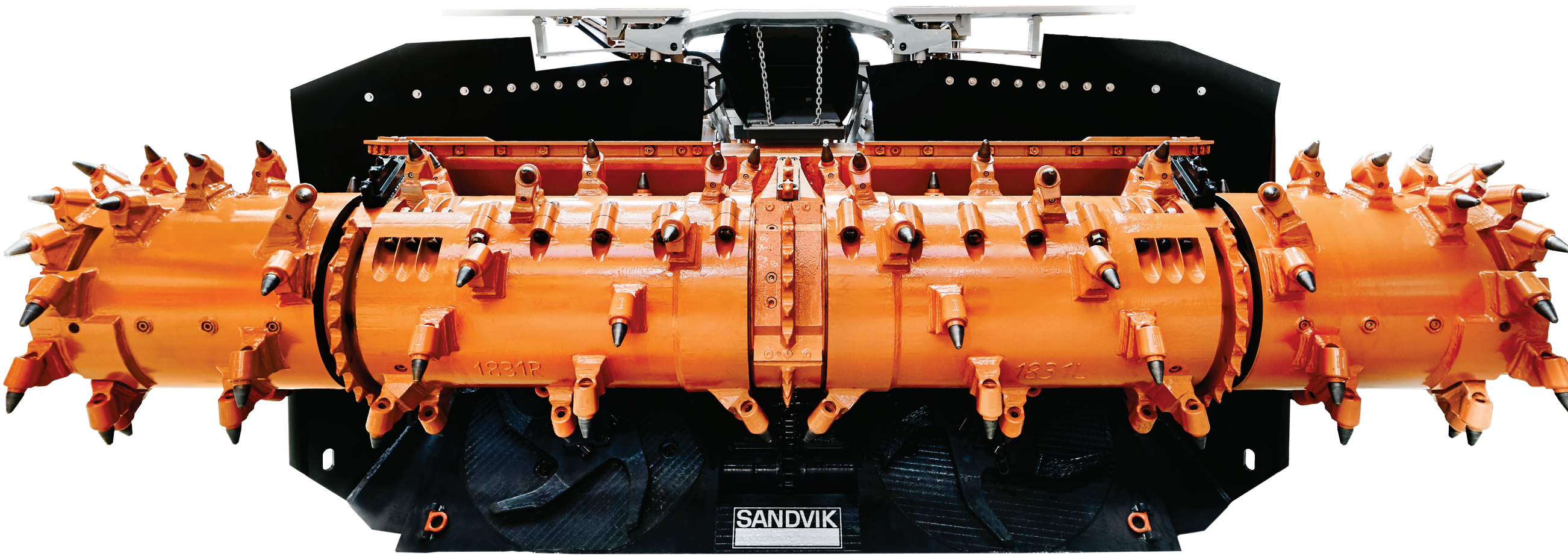
and soft minerals in longwall mining. They cut, support and gather the material simultaneously, and convey it into shuttle cars, coal haulers or a continuous haulage system so it's ready for transport.

450+

### GLOBAL MARKET LEADERSHIP

*We are a dominant market leader for bolter miners worldwide. In fact, more than 450 Sandvik bolter miners\* have been delivered to our customers around the globe.*

\* based on Sandvik sales statistics\*



## SANDVIK PARTS AND SERVICE YOU CAN COUNT ON.

When you can predict your productivity, you can predict your profitability. That's why we provide a complete parts and service offering for your Sandvik bolter miner. It's our way of helping you remove risk from your operations.

Our highly trained, expert engineers ensure you get the right parts and service for safe operation, low operating costs and long service life. Service from Sandvik isn't just quick and convenient; it gives you guaranteed uptime, and an increase in process efficiency and equipment reliability you can count on.

