

ZB21

Drilling and Bolting Platform



A small-class bolting platform that delivers exceptional versatility

Komatsu's new bolter offers an innovative and flexible common carrier platform that can be converted to a jumbo. With the ZB21, bolting cycles can be completed from the operator enclosure with less human interaction while installing screens and bolts. Our stinger pad integrated screen handler and reliable chemical injection system designs can help your mining operation boost productivity with reduced bolting cycle times.

- 100% of bolting cycle performed from the operator's compartment, including screen installation
- Capable of installing four major bolt types (two off of the same carousel)
- 100% tunnel bolting coverage — floor, walls, backs, face

Quick specs

- Aisle navigation inside 10 ft (3 m) up to 8 ft (2.4 m) bolting head
- Height with canopy in drill/tram position: 7 ft 3 in (2.8 m)
- Length overall: 33 ft (10 m)
- Width overall: 5 ft 6 in (1.7 m)

The ZB21 is built from the ground up with reliable and efficient components for outstanding uptime.

Application flexibility

Convert to a jumbo, drill holes on diesel power, adjust the bolting head by up to two feet, and install multiple bolt types for outstanding flexibility. Install resin, cement or grout from a common system.

Superior coverage

This bolter is ideal for fitting into smaller mine sections and achieves excellent vertical and horizontal reach. The ZB21 can use a variety of bolt types: mechanical, friction, chemical and hydro expanding.

Long-lasting drifters

The ZB21 drifters feature innovative technologies designed to boost drilling productivity with exceptional consumable life. Drifter options include Komatsu JDZ08, JDZ10 and JDZ12, manufactured by Montabert.

ZB21: A versatile workhorse engineered to increase productivity and agility



Innovative bolting head

The bolting head has limited moving mechanical parts and leverages polyurethane cast components to improve simplicity and reduce weight. Increase production and reduce cycle times with Komatsu's new screen handler and chemical injections solutions and world class drifters. Relevant specifications for the ZB21 include 5-to-8 foot bolting heads, adjustable and universal bolt carousel, configurable traveling centralizer and heading, and simple controls.



Performance-boosting operator enclosure

Give your operators every opportunity to work more efficiently with ergonomic, ISO-compliant, and ROPS/FOPS-certified cabins or canopies. The optional fully enclosed cabin is available with climate control, and offers a high-efficiency comfortable workspace with features such as double-curved glass that improves visibility for drilling lifter holes and crosscuts. Operator ergonomics and controls layouts follow ISO standards — ISO 6682 for ergonomics, ISO 3411 for space claim for the operator.



Screen handler and chemical injection system

Complete the entire bolting cycle from the operator cabin with integrated screen handling, offering your mining operation efficiency and operator protection during this vital process. A new chemical injection system provides superior alignment and accuracy. This system is designed for resin, grout or cement cartridges.

Discover how the ZB21 can optimize your underground hard rock mining fleet. Talk to an expert today.

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