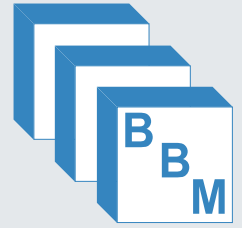


QUALITY LEADS TO QUANTITY



**MILLING LOADER
BML 50**

QUALITY AND PRECISION BASED ON EXPERIENCE



MILLING LOADER BML 50

- compact and agile
- load about the boom
- good maneuverability
- settling swivelling conveyor
- ideal operation on cohesive floors by the benefits of the milling loader principles
- mobile at the place of action, because of no loading system

ADDITIONAL EQUIPMENT

- radio control unit
- cooling system for high ambient temperature
- belt conveyor

BML 50 COMPACT DESIGN

The milling loader BML 50 is a mining and charger machine for medium-hard minerals and it can be used to eliminate waste as well as for the cost-effective, rapid and safe manufacture of tunnels and drifts.

The cutting drum of the cutting arm is driven by an electric motor via a scraper and a gear with a sprocket. Solve, conveying-friendly crushing, loading and conveying of minerals will be done in a continuous operation. Rock strengths up to 50 MPa compressive strength can be cut.

QUALITY AND PRECISION BASED ON EXPERIENCE

Cutting arm and boom are horizontally and vertically adjustable by hydraulic cylinders. Of that selective extraction and dimensionally accurate profile cutting is possible and ensures perfect conveyor discharge.

Separately controllable hydraulic crawler tracks give the milling loader good maneuverability and the desired feed rate.



RANGE OF SERVICES

Roadheader
First Tiller
Milling Loader
Excavator Cutting Heads
Armoured conveyors
Grabbers
Special machines
Maintenance and repair

MACHINES

Roadheader BRH 300/400
Roadheader BRH 130
Roadheader BRH 178/300
Milling Loader BML 50
Milling Loader BML H
Milling Loader BML B 110
Milling Loader BML N 110
First Tiller BFT 110
Excavator
Cutting Heads BRQ 110

Spring-loaded disc brakes secure the crawler in hydraulic pressure failure against self-start controls.

The chain belt of the discharge conveyor is driven by an electric motor directly connected to the gear channel. The hydraulic cylinders and hydraulic drives of the individual crawlers are powered by an electrohydraulic pump unit. The required energy is supplied to the machine through a trailing cable from the mains.

QUALITY LEADS TO QUANTITY

37/50 KW CUTTING HEAD DRIVE

The milling loader can be equipped with a wired remote control that enables an operation from an effective location. If necessary, the machine can be equipped with a boom-mounted servo control with a driver's seat.

Flame-proof electric and dust-exhausting equipment are available. The compact design of the milling loader and its disassembly in well-transportable units allows the economic use even in narrow areas of underground and civil engineering.

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BML 50

TECHNICAL DATA

Dimensions and Action Line from the Machine

Cutting ability up to	50 MPa
Total length	6,940 mm
Width over crawlers	1,200 mm
Total height	1,600 mm
Cutting height	3,810 mm
Cutting width	4,090 mm
Cutting width on the back	3,690 mm
Cutting width by undercut	3,620 mm
Undercut	380 mm
Diameter of the cutting heads	500 mm
Boom height max.	2,000 mm
Boom underpass min.	1,000 mm
Boom underpass length	1,320 mm

Application of the Machine

Minimum cross-section of the drifts	3.2 m
Width	1.5 m
Height	1.8 m
Smallest curve radius	3 m
Standard cutting speed on the cutting head	2.96 m/s
Conveying speed cutting arm	1.54 m/s
Conveying speed boom	1.0 m/s

Hydraulic System

Pressure fluid	ISOVG 46
Operating pressure	160 bar
Tank volume (including lines, etc.)	200 L

Electrical System

Total installed power	70/83 kW
Cutting head drive	37/50 kW
Pump drive	22 kW
Drive chain conveyor	11 kW
Lighting	0.1 kW
Type of protection	acc. to DIN 40050

Crawler

Width of track shoes	300 mm
Ground pressure	10 N/cm ²
Driving speed	0.6 km/h
Gradeability	39 gon/35°
Feed by 200 bar	81 kN

