

HDM 1 – Drilling Jumbo

Mining experience around the world

HAZEMAG & EPR GmbH can look back on more than 175 years of history and, with a workforce numbering around 450 worldwide, the company is operating successfully on all 5 continents. With HAZEMAG MINING, the company has a highly specialised supplier of mining products. HAZEMAG is a competent, reliable and customer-oriented partner of the global mining industry. Decades of experience in combination with continuous innovation are the basis of the HAZEMAG product range for the mining industry.

The entire HAZEMAG mining portfolio represents durability, high operational availability and efficiency. Quality is the basis of our sustainable success. Economic coal mining can only be ensured by modern and reliable machines backed by expert service – HAZEMAG provides its customers with this basis for success.

HAZEMAG is solution provider for surface and underground mining. Especially for coal, salt and narrow vein ore mining.

The single-boom drilling jumbo HDM 1 has an electro-hydraulic central drive, a hydraulic hammer for percussive drilling or drill drive units for rotary drilling and has been constructed for the preparation of blast hole and anchor drillings as well as for roof bolting.

Its distinctive features are the following ones:

- low and compact design, which permits the application in small roadway cross sections
- parallel automatic in horizontal and vertical plane
- two front supports for improving the stability
- modular design for easily assembling and dismantling the assembly groups and transport units.

Technical Data

1. General	HBL 1500
Working area	up to 48 m ²
Total length	10,360 mm
Width	1,250 mm
Height	1,400 mm
Weight	14.5 t
Longitudinal inclination	20 degrees
Cross inclination	10 degrees
Temperature range of application	-5 to +40 °C

2. Crawler track assembly	HBL 1500
Construction size of crawler track assembly	B2
Centre distance	1,875 mm
Track pad width	350 mm
Specific soil pressure	11 N/m ²
Tractive force per chain	52 kN

3. Drill boom	HBL 1500
Stroke of telescope in drill arm	1,000 mm
Double rotation unit	+105/+180 degrees

4. Drill Feed	HBL 1500
Stroke of telescopic cylinder	1,200 mm
Stroke of feed cylinder	1,050 mm
Working length of drill rods	3,000 mm
Carriage is especially tailored to heading advance and drilling tasks inquired by the customer	

5. Hydraulic drill hammer	HBL 1500
Montabert (HC 50) rotation mechanism – max. torque	448 Nm
Impact performance	15 kW
Impact frequency	60 Hz
Adapter	R 38 A / R 32 I
Drill hole diameter	33 – 39 mm
Extension drilling diameter	≥ 51 mm

6. Hydraulics	HBL 1500
Service pressure	B2
Oil tank capacity	1,875 mm
Temperature control	350 mm
Hydraulic fluid mineral oil, HLP 46	
Fire-resistant hydraulic fluids, HFC-E 46	

7. Electrics	HBL 1500
Service voltage	500 / 1,000 V 660 / 1,140 V
Electric motor	63 kW

Electric equipment in flame proof design/ ATEX conform

