

HBL – Boring Loader

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.

For gallery drivage in cross sections from 12 up to 18 m in mining projects, HAZEMAG & EPR GmbH offers the crawler mounted boring loader HBL which is able to realize load works and drilling works for blasting also with a single machine.

The semi-automatic changeable devices need only a deposit frame to change between drill rig and shovel. Because of quick couplings in the hydraulic system, the change between the drill rig and the shovel only takes a few minutes.

The drilling unit has an hydraulic hammer for percussive drilling and has been constructed for the preparation of blast hole and anchor drillings.

The electrical equipment of the boring loader HBL is made in flameproof design according to ATEX standards or the regulations of the respective authorities.

The boring loader HBL is available in 3 sizes, HBL 600, HBL 800 and HBL 1500.

Technical Data

1. General	HBL 600	HBL 800	HBL 1500
Working area	8 - 14 m ²	10 - 17 m ²	12 - 19 m ²
Total length with bucket	6,500 mm	7,600 mm	7,700 mm
Total length with drill rig	7,200 mm	8,100 mm	9,200 mm
Width	1,200 mm	1,250 mm	1,700 mm
Height	1,350 mm	1,500 mm	1,600 mm
Weight	10 t	13 t	17 t
Maximun incline	18 degrees	18 degrees	20 degrees
Travelling speed	0.8 m/s	1.0 m/s	1.1 m/s
Track pad width	260 mm	350 mm	300 mm
Specific soil pressure	11.5 N/cm ²	10 N/cm ²	13 N/cm ²
Tractive force per chain	65 kN	58 kN	100 kN

2. Boom	HBL 600	HBL 800	HBL 1500
Stroke of telescopic arm	500 mm	1,000 mm	1,000 mm

3. Drilling rig with hydraulic hammer	HBL 600	HBL 800	HBL 1500
Type	percussive	percussive	percussive
Working length of drill rods	1,800 mm	2,700 mm	2,700 mm
Length of drill rig	3,090 mm	3,090 mm	3,090 mm
Drilling diameter	31 - 51 mm	31 - 51 mm	31 - 51 mm
Rotation mechanism — max.torque	230 Nm	230 Nm	230 Nm
Rotation mechanism — max.speed	320 min. ⁻¹	320 min. ⁻¹	320 min. ⁻¹

4. Side discharge bucket	HBL 600	HBL 800	HBL 1500
Average gross loading capacity	40 - 55 m ³ /h	50 - 80 m ³ /h	80 - 130 m ³ /h
Bucket capacity	600 litre	800 litre	1,500 litre
Discharge height	2,500 mm	2,600 mm	3,000 mm
Digging depth under floor	450 mm	560 mm	640 mm

5. Hydraulics	HBL 600	HBL 800	HBL 1500
Oil tank capacity	245 litre	400 litre	510 litre

6. Electrics	HBL 600	HBL 800	HBL 1500
Electric motor	45 kW	45 - 63 kW	63 - 90 kW
Electric equipment in flame proof design			

Cable drum is available as an option on all machines.