

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	10 - 15yd ²	12 - 20m ²	15 - 25yd ²
Total length with bucket	260ln	300ln	300ln
Total length with drill rig	280ln	320ln	360ln
Width	45ln	50ln	65ln
Height	55ln	60ln	65ln
Weight	10t	15t	20t
Maximun incline	18 degrees	18 degrees	20 degrees
Travelling speed	3ft/s	3ft/s	4ft/s
Track pad width	10ln	15ln	12ln
Specific soil pressure	12N/ln ²	10N/ln ²	15N/ln ²
Tractive force per chain	65kN	60kN	100kN

2. Boom	HBL 600	HBL 800	HBL 1500
Stroke of telescopic arm	20ln	40ln	40ln

3. Drilling rig with hydraulic hammer	HBL 600	HBL 800	HBL 1500
Type	percussive	percussive	percussive
Working length of drill rods	70ln	100ln	100ln
Length of drill rig	120ln	120ln	120ln
Drilling diameter	1 - 2ln	1 - 2ln	1 - 2ln
Rotation mechanism — max.torque	230Nm	230Nm	230Nm
Rotation mechanism — max.speed	320min. ⁻¹	320min. ⁻¹	320min. ⁻¹

4. Side discharge bucket	HBL 600	HBL 800	HBL 1500
Average gross loading capacity	55 - 75yd ³ /h	65 - 105yd ³ /h	105 - 170yd ³ /h
Bucket capacity	160gal	210gal	400gal
Discharge height	100ln	105ln	120ln
Digging depth under floor	15ln	20ln	25ln

5. Hydraulics	HBL 600	HBL 800	HBL 1500
Oil tank capacity	65gal	105gal	130gal

6. Electrics	HBL 600	HBL 800	HBL 1500
Electric motor	60hp	60 - 100hp	100 - 125hp
Electric equipment in flame proof design			

Cable drum is available as an option on all machines.