

SBM 86LKW



SMAG-Large-Hole drilling rigs – advanced rock drilling technology for open-cast mining.

The SBM 86L is used in all geological formations requiring rotary or down-the-hole hammer drilling and is designed to meet the high demanding requirements when drilling precise and cost-efficient boreholes.

The advanced mobility of the truck mounted SBM combination ensures fast and precise re-location to different operation sites, while maintaining superior manoeuvrability in the terrain. The built in secondary driving mechanism allows the handling of the machines drive and drill operation by a single person.

The high stability 4-point supports, a generously dimensioned drill boom, tolerance free boom adjustment, a drilling guidance with a displaceable suction hood and the infinite regulation of feed and rotation speeds provide exactly placed bore hole openings and precisely drilled bore holes. The side mounted drill boom can be inclined from 65° to 90° and banked 15° to the left or right, allowing high flexibility in the choice of drill locations.

The standard version of the SBM 86L comes with an air conditioned sound-proof driver's cab, a comfort health driver's seat, PLC-controlled automation implemented into logical arranged ergonomic control- and monitor elements and an EMERGENCY-STOP system.

The eco-friendly design of our machines features a robust sinter filter system for the drilling loaded conveying air, noise reduction thru consequent casing of machine parts and the possibility to use bio hydraulic oil.

SBM 86 LKW

Large-Hole Drilling Rig SBM 86L

Technical Data

Weight (standard design)	23.000 kg
Transport dimensions (L x W x H)	9.820 mm x 2.870 mm x 3.850 mm
Carrier vehicle	
Type	MB Actros – 6 x 4
Output	235 kW
Traveling speed	80 km/h
Supporting	
Levelling stroke	650 mm
Drive	
Diesel engine CAT	205 kW
Hydraulic pumps	Var. displ. Pumps (2 units) Gear pumps (2 units)
Screw compressor	
Flow rate	14 m ³ /min
Working pressure	14 bar
Drilling equipment	
Rotary drive	
- Torque	4.100 Nm
- Speed	0 - 120 min ⁻¹
Feed	
- Thrust/Retraction	60 kN
- Speed	max. 35 m/min
- Working length	4.000 mm
Bore hole diameter	90 - 125 mm
Magazine capacity	8 + 1 Drill rod
Rod diameter	70; 76, 82,5, 89 mm
Bore hole inclination	65° - 90°
Banking left / right	15°
Drilling angle indicator	standard
Drilling depth indicator	optional
Hammer drilling equip.	optional

Dust collector	
Type	HY-A 25-J
Sucked air rate	30 m ³ /min
Static vacuum	0,08 bar
Suction hood displacement	1.000 mmm
Cabin	
With vibration absorber and Noise insulation	standard
Conf. healthy driver's seat	standard
Heating	standard
Air condition	optional

