

SBM 86 SBM 86-10HD



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

The SBM 86 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 machine is based on a crawler chassis with large ground clearance. Its compact and agile design guarantees superior and safe manoeuvrability to operation locations in difficult terrain.

To minimize non-productive times the SBM 86 features ergonomic control panels, high-performance drives, a parallel edge driving mechanism allowing a fast pick-up of the borehole position, precise adjustment of the drill boom thru automated levelling supports and an automated drill rod handling system.

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 standard version of the SBM 86 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
SBM 86-10HD

Large-Hole Drilling Rig SBM 86 and SBM 86-10HD

Technical Data

	SBM 86/SBM 86 10HD
Weight (standard design)	19.900 kg/ 22.000 kg
Transport dimensions (L x W x H)	9.700 mm x 2.950 mm x approx. 3.800 mm
Crawler chassis	
Size	Type D4
Travelling speed	max. 3 km/h
Climbing ability	max. 30%
Ground clearance	400 mm
Supporting	
Levelling stroke	900 mm
Drive	
Diesel engine CAT	205 kW/ 315 kW
Hydraulic pumps	Var. displ. Pumps (2 units)
	Gear pumps (2 units)
Screw compressor	
Flow rate	14 m ³ /min 18,6 m ³ /min
Working pressure	7 ... 14 bar/v
Drilling equipment	
Rotary drive	
- Torque	4.100 Nm /6.000 Nm
- Speed	0 – 112 min ⁻¹
Feed	
- Thrust/Retraction	80 kN/ 100 kN
- Speed	0 - 35 m/min
- Working length	6.000 mm
Bore hole diameter	89 - 125 mm
Magazine capacity	6 + 1 Drill rod
Rod diameter	76; 89; 102 mm
Bore hole inclination	60° - 90°
Drilling angle indicator	series
Drilling depth indicator	optional
Hammer drilling equip.	optional

	SBM 86/SBM 86 10HD
Dust collector	
Type	HY-A 30 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	series
Comf. healthy driver's seat	series
Heating	series
Air condition	optional

