

# SBM 86 SBM 86-10HD



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

	SBM 86/SBM 86 10HD
<b>Dust collector</b>	
Type	HY-A 30 J
Sucked air rate	30 m <sup>3</sup> /min
Static vacuum	0,08 bar
Suction hood displacement	1.000 mmm
<b>Cabin</b>	
With vibration absorber and Noise insulation	series
Comf. healthy driver's seat	series
Heating	series
Air condition	optional

