

## Secoroc Rock Drilling Tools

# Secoroc GM RH grinding machine



## Taking grinding a step further

Atlas Copco Secoroc take great pride in continuously developing faster and more efficient grinding machines so that our customers can make the absolute most of our drill bits. Worn down button bits will slow down whole drilling operations with escalating working hours and rig running costs as a direct consequence. Rapidly reground drill bits reduce the overall drilling costs by up to 30 percent. Grinding is therefore essential for productivity.

The new Secoroc GM RH is a fully hydraulic powered grinder and it is our most user friendly machine so far – featuring low noise, easy handling and high grinding capacity.

*Sustainable Productivity*

*Atlas Copco*

# Secoroc GM RH specifications

The new Secoroc GM RH grinds cemented-carbide buttons and the surrounding body steel in the same operation, using a diamond-coated grinding wheel. The machine has an automatic feeding device and a newly developed centring function which makes it simple to use. The Secoroc GM RH is intended for grinding threaded and tapered button bits up to 127 mm in diameter and down-the-hole and COPROD bits up to 165 mm.

The machine comes in two models – the familiar tophammer model that uses already existing bit holders - and the innovative universal model, a completely new type of bit holder that takes care of a wide range of bit diameters, including both down-the-hole and tophammer bits.



Secoroc GM RH		
Description	Product No.	Product code
GM RH-th	87004950	9500-4950
GM RH-univ	87004951	9500-4951
Consumables and spares		
Centring fingers (3 pcs)	87004868	9500-4868
Splash guard	87004918	9500-4918
Belt	87004944	9500-4944
Gear kit	87004791	9500-4791
Cooling liquid concentrate (0,5 l)	87001038	9500-1038
Option kits		
Rig bracket for SmartROCT35/T40	87005037	9500-5037
Cooling liquid container (10 l)	87005038	9500-5038

Diamond-grain wheels		
Dimension, mm	Product No.	Product code
Spherical		
8	87005032	9500-5032
9	87005033	9500-5033
10,9	87004851	9500-4851
12,7	87004852	9500-4852
14,5	87004853	9500-4853
15,8	87004854	9500-4854
Ballistic		
8	87005034	9500-5034
9	87005035	9500-5035
10	87005036	9500-5036
10,9	87004855	9500-4855
12,7	87004856	9500-4856
14,5	87004857	9500-4857
15,8	87004858	9500-4858

Technical data		
Specifications	GM RH-th	GM RH-univ
Max. distance <sup>1)</sup>	230 mm	230 mm
Drill bit diameter	35 - 127 mm	35 - 165 mm
Max. grip size	n/a	110 mm (QL/COP 6")
Min. distance between buttons	3,5 mm	3,5 mm
Rec. oil pressure, min-max	150-210 bar	150-210 bar
Oil consumption	12 l/min	15 l/min
Cooling liquid consumption	max 10 l/h	max 10 l/h
Voltage	+/- 24-28 VDC	+/- 24-28 VDC
Current	6 A	6 A
Speed, spindle	9 500 rpm	12 000 rpm
Weight	81 kg	85 kg
Sound pressure during grinding*	85 dB (A)	85 dB (A)
Vibration level during grinding**	< 2,5 m/s <sup>2</sup>	< 2,5 m/s <sup>2</sup>

1) between bit holder and grinding wheel

\* Equivalent continuous A-weighted sound pressure level measured at operator's ear level during grinding. Possible spread due to measuring method and production factors: 3 dB(A).

\*\* Vibration measurement according to EN 61029-1.

**When ordering the GM RH-th version, make sure that you have the right bit holder for your needs.**