

A close-up photograph of a heavy-duty industrial grinding machine. The upper portion shows a metallic grinding head with a large, rounded, polished metal component. Below it, a yellow tool holder is visible, featuring several dark, conical grinding points. The background is a plain, light-colored surface.

Secoroc Rock Drilling Tools

SECOROC GM RH
GRINDING MACHINE

Atlas Copco

TAKING GRINDING A STEP FURTHER

Perfectly ground button bits are the key to achieve the high penetration rate you need to make your drilling operation profitable. In only a few seconds per button, Secoroc GM RH grinds the buttons back to their original shape, and reduces your drilling costs by up to 30 percent.

Time is money

For optimal productivity, button bits should be reground when worn to about 1/3 of its diameter. Thanks to the innovative new technology of the Secoroc GM RH, one button is efficiently reground in 3-6 seconds, and the whole bit in 1-2 minutes.

Easy-to-use

Grinding has never been easier; press the centring button, choose the appropriate grinding time (depending on wear-flat of button) and press start. Done! The new centring function makes sure that the button is exactly positioned before grinding starts. Then the newly designed diamond coated

grinding wheel grinds the button back to its original shape. Both the cemented carbide buttons and the surrounding body steel is ground in the same operation. Each button bit can be quickly and accurately re-ground up to 10 times. Besides, if you follow our recommendations, of regrinding when the buttons are 1/3 wear-flat, a grinding wheel can grind up to 400 buttons.

Fully hydraulic

The high capacity GM RH is developed to be rig mounted, but can also be used as a stand-alone unit. It uses very little oil, which means that the drill rig's hydraulic system can power both drilling and grinding operations at the same time.

Low noise

The robust, fully hydraulic GM RH has a sturdy steel body that significantly reduced noise levels; this is a strong feature for indoor grinding stations.

Two-in-one

The GM RH comes in two options: the Tophammer model using existing bit holders, and the new Universal model that can handle a wide range of bit diameters for both tophammer and down-the-hole bits. The machine is designed for grinding threaded button bits up to 127 mm in diameter, and DTH and COPROD bits up to 165 mm.

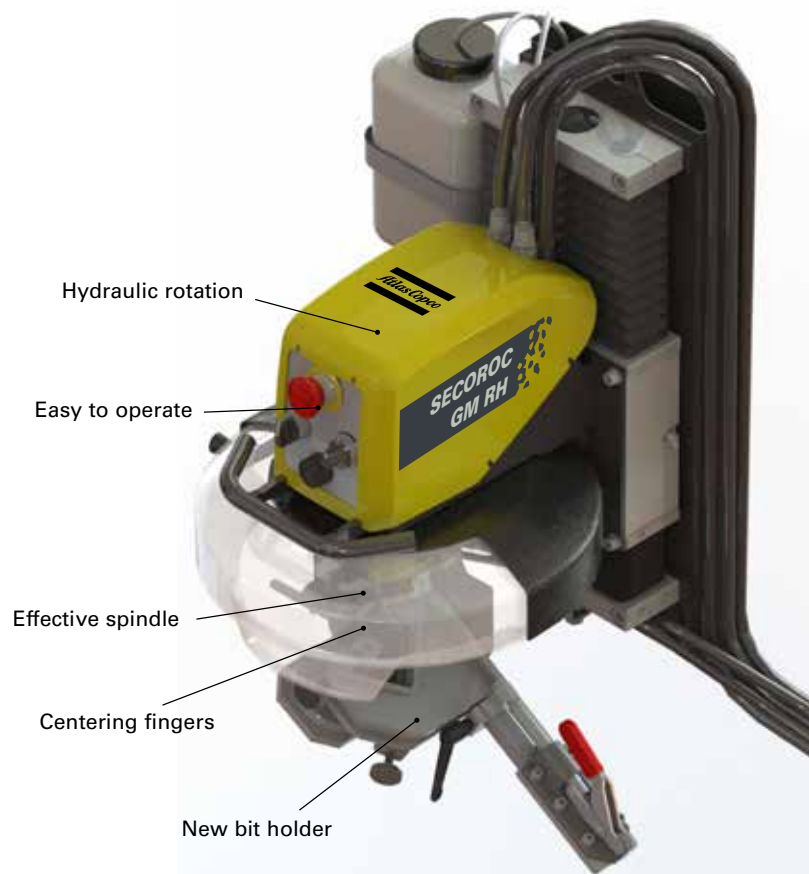
Technical data

Specifications	Tophammer	Universal
Max. distance between bit holder and grinding wheel	230 mm	230 mm
Drill bit diameters	35-127 mm	35-165 mm
Max. grip size	n/a	110 mm (QL 6, COP 66)
Min. distance between buttons	3,5 mm	3,5 mm
Rec. oil pressure, min-max	150-210 bar	150-210 bar
Oil consumption	13 l/min	13 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	10 500 rpm	10 500 rpm
Weight	85 kg	85 kg
Sound pressure during grinding*	85 dB (A)	85 dB (A)
Sound power level during grinding**	95 dB (A)	95 dB (A)
Vibration level during grinding***	< 2,5 m/s ²	< 2,5 m/s ²

* 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).

** Sound power level established in accordance with EN 61029-1. Possible spread due to measuring method and production factors: 3 dB(A). Average value for frequency range 100-6300 Hz.

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



SECOROC GM RH

SPECIFICATIONS

Machine

Description	Product No.	Product code
Secoroc GM RH	87004950	9500-4950

Rig brackets

Description	Product No.	Product code
Rig bracket for cabin rigs	87005037	9500-5037
Rig bracket for FlexiROCT35 R/T40 R	87005048	9500-5048
FlexiROCT30 R - no bracket is needed, bolted on the drill rig	n/a	n/a

Main bit holders

Description	Product No.	Product code
Tophammer (must be completed with bit holders for threaded button bits)	87004964	9500-4964
Universal (can be used for Tophammer, DTH- and COPROD bits)	87004911	9500-4911

If you have chosen a bit holder for Tophammer in the table above, make sure you complete it with an additional bit holder in the table below.

Bit holders for threaded bits - Tophammer

Description	Product No.	Product code
Threaded bits		
Bit holder R25	87003475	9500-3475
Bit holder R28	87003476	9500-3476
Bit holder SR28	87003960	9500-3960
Bit holder R32	87003477	9500-3477
Bit holder SR32	87003962	9500-3962
Bit holder SR35	87003956	9500-3956
Bit holder TC35	87004685	9500-4685
Bit holder R38	87004686	9500-4686
Bit holder T38	87004687	9500-4687
Bit holder SR38	87003978	9500-3978
Bit holder SR38 retrac	87004081	9500-4081
Bit holder TC42	87004641	9500-4641
Bit holder T45	87003479	9500-3479
Bit holder TC45	87004569	9500-4569
Bit holder T51 and retrac	87003521	9500-3521
Bit holder T60	87004562	9500-4562



Diamond-grain wheels

Dimension	Product No.	Product code
Spherical		
8 mm	87005032	9500-5032
9 mm	87005033	9500-5033
10 mm	87005049	9500-5049
11 mm	87004851	9500-4851
12 mm	87005050	9500-5050
12,7 mm	87004852	9500-4852
14,5 mm	87004853	9500-4853
15,8 mm	87004854	9500-4854
Ballistic		
8 mm	87005034	9500-5034
9 mm	87005035	9500-5035
10 mm	87005036	9500-5036
11 mm	87004855	9500-4855
12 mm	87005051	9500-5051
12,7 mm	87004856	9500-4856
14,5 mm	87004857	9500-4857
15,8 mm	87004858	9500-4858

Consumables, spares and option kits

Description	Product No.	Product code
Centering fingers (3 pcs)	87004868	9500-4868
Splash guard	87004918	9500-4918
Belt	87004944	9500-4944
Gear kit (gears + belt)	87004791	9500-4791
Cooling liquid concentrate, 0,5 l	87001038	9500-1038
Cooling liquid tank (10 l) (includes bracket)*	87005038	9500-5038

*To be bolted on the drill rig. Can be used separately or together with the small tank delivered with the machine.

Sustainable Productivity

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand a test of time.
This is what we call - Sustainable Productivity.

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