

Resharpener equipment

2026





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Health and safety information

Routes of exposure	Grinding or heating hardmetal blanks or hardmetal products will produce dust or fumes with dangerous particles that can be inhaled or swallowed, or which might come in contact with the skin or eyes.	Rotating parts	Shank adapters, rods and bits are rotating parts and can cause severe injury. Stay away while drill rig is in operation. Do not change bit during rotation as you can get stuck and severely injured.
Acute toxicity	The dust is toxic by inhalation. Inhalation may cause irritation and inflammation in the airways. Skin contact can cause irritation and rash. Sensitive people may experience an allergic reaction.	Disassembly of tools	<ul style="list-style-type: none"> – Ensure that products are cooled down before disassembling – Never work on hot parts – Consider the appropriate hand protection (gloves) for the handling of warm parts
Chronic toxicity	Repeated inhalation of aerosols containing cobalt may cause obstruction in the airways. Prolonged inhalation of increased concentrations may cause lung fibrosis or lung cancer. Cobalt is a potent skin sensitizer. Repeated or prolonged contact can cause sensitization.	Changing bits	Do not use a sledge hammer or similar to loosen bits as steel parts may detach and cause severe damage on body parts. Instead use appropriate tools such as knock-off tools or wrenches.
Classification	<p>Following hazard classification according to GHS/CLP applies to the hardmetal powder (3 % ≤ Co < 10 %):</p> <ul style="list-style-type: none"> – Acute Inhalation 3, H331: Toxic if inhaled – Carcinogenicity 1B, H350i, May cause cancer by inhalation – Repr. 2, H361f; Suspected of damaging fertility – STOT RE 1, H372: Causes damage to lungs through prolonged or repeated exposure through inhalation – Resp. Sens. 1B, H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled – Skin Sens.1, H317: May cause an allergic skin reaction. – Aquatic Acute 1, H400: Very toxic to aquatic life – Aquatic Chronic 2, H411: Toxic to aquatic life, with long lasting effects. 	Dealing with worn parts	Worn parts should be removed and disposed appropriately. Always recycle used rock tools. Please contact your local Sandvik representative for support and further information regarding the recycling process.
Precautionary statements	<ul style="list-style-type: none"> – Do not breathe the dust – Wear protective gloves/protective clothing/eye protection – In case of inadequate ventilation, wear respiratory protection – Avoid release into the environment <p>If inhaled and breathing is difficult, please move exposed person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call emergency center immediately.</p>	Handling of heavy tools	Lifting heavy items is one of the leading causes of injury, ie strain and crushing body parts in workplaces. Be aware that many of our tools are heavy, so please take necessary and precautionary actions before any manual handling is done to prevent injuries.
		Storing	All products should be stored in a dry place and in their original packaging until they are required for use.
		General	The products in this catalog are designed for drilling holes in rock, and should only be used for this purpose.

Rock Tools resharpening

Our resharpening offering comprises high-quality machines, grinding cups, and wheels meticulously designed and manufactured to enhance safety, productivity, and ultimately, profitability. Tailored to seamlessly integrate with Top hammer, DTH, integral steels, and cross and X-bits, each product guarantees optimal performance.

Understanding that every customer faces unique challenges, we offer versatile products suitable for all scenarios. Whether resharpening directly at the drill rig or in workshops for high-volume production, our offerings cater to your diverse needs. Additionally, we provide spare parts and comprehensive support that ensures safe and successful mining and construction operations.



A productivity enhancer

Cemented carbide is one of the most successful composite engineering materials produced. Its unique combination of strength, hardness and toughness powers the most demanding applications – but working with such high stresses, inserts and buttons are of course subject to extensive wear.

Button bits should be resharpened when penetration rates drop, or if the cemented carbide shows signs of damage. Fixed resharpening routines encourage good working practice. Bits, for instance, should be examined and then resharpened after a specific number of holes, or at the end of a shift. Premature resharpening is not necessarily uneconomical, since less carbide needs to be ground off. It is better to resharpen sooner than affect productivity due to damage.

Proper resharpening adds considerably to the service life of drill bits. Another equally important aspect of proper resharpening is that it also enhances the performance of the entire drilling operation, particularly hole straightness.

Resharpener should always be done in accordance with safety regulations.



The height of the cemented carbide diminishes as wear progresses, resulting in a flat wear.



Wear to the cemented carbide on the periphery of the bit is abnormally high, causing an "anti-taper" to develop, which diminishes the clearance of the bit.



A fatigue surface with microscopic cracks (snakeskin).



Resharpener machine

RG600Pro



Resharpener applications

A highly efficient, plug-and-go resharpener machine with safe, user-friendly and operator ergonomic features. Includes multiple bit-loading, adapted bit size programming, Wi-Fi enabled scanning and tracking, as well as access to digital dashboards.

Intended for all top hammer and down-the-hole button bits with skirt diameter/shank diameter up to \varnothing 180 mm (7").*

Part. no for machines

Stationary and semi-automatic machine 203-0018-00

Accessories included in machine delivery

Integrated water recirculating and filtration unit
Power vent system

*170 mm (6 11/16") for machines manufactured before 2026

Specification

Electrical specifications	220-240VAC, 50/60 Hz, 1-phase, 10 amps
Working air pressure	7-8 bar (100-115 psi)
Air consumption	<0.03 m ³ /min (<1 cfm)
Recirculation water capacity	60 L
Water / coolant	1.6 l/min (0.42 g/min), max
Weight exclusive packaging	365 kg / 805 lbs
Weight inclusive packaging	415 kg / 915 lbs
Machine dimensions	1195 x 1298 x 2095 mm (47" x 51" x 82")
Transport dimensions	1490 x 1340 x 1410 mm (54.6" x 52.7" x 55.5")
Sound level	76 dB(A) nominal
Capacity TH bit skirt diameter	Max 180 mm (7")*
Capacity DTH bit shank diameter	Max 180 mm (7")*
Operator card	Included
Grinding cups	RFID (ordered separately)

Resharpener machine

RG550Be
workshop version



Resharpener applications

An industry-first, fully electrical and semi-automatic workshop machine for tough productivity demands. For safer, more sustainable resharpener operations, and enhanced overall drilling economy. Wi-Fi enabled scanning and tracking, as well as access to digital dashboards.

Non-pneumatic and no usage of compressed air, with a built-in power converter, allowing true plug-and-play functionality in any country without the need for adapters or adjustments.

Intended for all top hammer and down-the-hole button bits with skirt diameter/shank diameter up to Ø 140 mm (5.5").

Part. no for machines

Workshop machine

203-0023-10

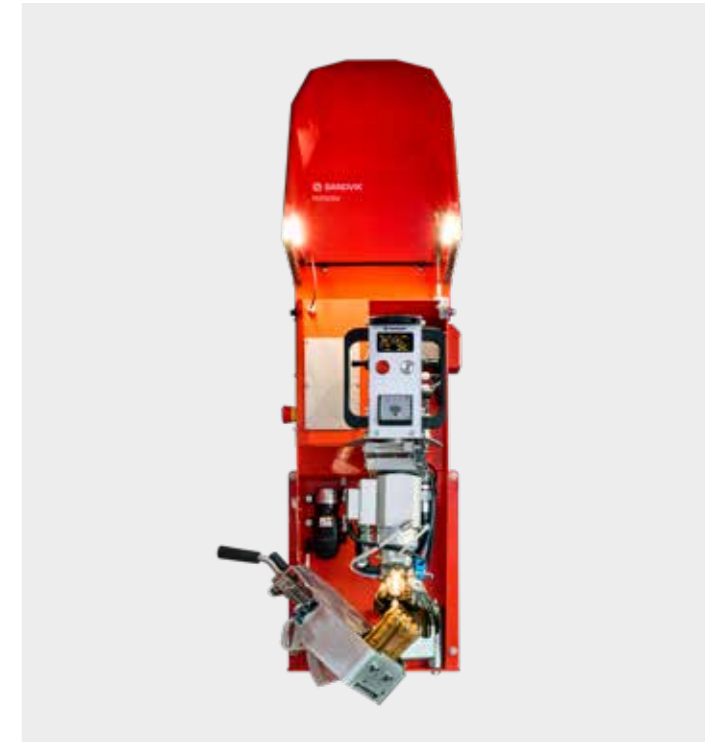
Accessories included in machine delivery

Integrated water recirculating and filtration unit
Power vent system

Specification	
Electrical specifications	220-240VAC, 50/60Hz, 1-phase, 16 amps
Recirculation water capacity	30 L
Weight exclusive packaging	245 kg / 540 lbs
Weight inclusive packaging	264 kg / 581 lbs
Machine dimensions	793 x 896 x 1643 min / 1943 max mm
Transport dimensions	1720 x 860 x 1150 mm
Sound level	78 dB(A)
Capacity TH bit skirt diameter	Max 140 mm (5.5")
Capacity DTH bit shank diameter	Max 140 mm (5.5")
Operator card	Included
Grinding cups	RFID (ordered separately)

Resharpener machine

RG550Be
rig-mounted version



Resharpener applications

An industry-first, battery-operated, and semi-automatic rig-mounted machine for tough productivity demands. For safer, more sustainable resharpener operations, and enhanced overall drilling economy. Wi-Fi enabled scanning and tracking, as well as access to digital dashboards.

Non-pneumatic, no hydraulic driver and no usage of compressed air, with a built-in power converter, allowing true plug-and-play functionality in any country without the need for adapters or adjustments.

Intended for all top hammer and down-the-hole button bits with skirt diameter/shank diameter up to Ø 140 mm (5.5").

Part. no for machines

Rig-mounted machine

203-0023-00

Accessories included in machine delivery

Integrated water recirculating and filtration unit

Specification	
Electrical specifications	24VDC (@100A) - 48VDC (@50A)
Recirculation water capacity	30 L
Weight exclusive packaging	73 kg / 161 lbs
Weight inclusive packaging	85 kg / 187 lbs
Machine dimensions	454 x 501 x 915 mm
Transport dimensions	1100 x 520 x 680 mm
Sound level	78 dB(A)
Capacity TH bit skirt diameter	Max 140 mm (5.5")
Capacity DTH bit shank diameter	Max 140 mm (5.5")
Operator card	Included
Grinding cups	RFID (ordered separately)



Resharpener machine

RG500Hh
handheld version



Resharpener applications

A high-powered, pneumatically operated handheld machine, ergonomically designed and intended for all kinds of button bits. It is lightweight with an efficient throttle suited for smaller operations.

Part. no for machines

Handheld machine 203-0022-00

Accessories included in machine delivery

Splash guards with puller/brake
Button bit gauge
Silencer kit

Optional accessories

Service tool kit 202-0716-00
Tank for handheld grinder 202-0112-01
Filter regulator kit 202-0659-00
Service kit 207-0001-00

Specification

Spindle speed	22 000 rpm
Motor	Air powered
Power output	1.8 KW (2.4 Hpi)
Working air pressure	7-8 bar (100-115 psi)
Air consumption	2.2 m ³ /min (78 ft ³ /min)
Air hose diameter	19 mm (0.75")
Water hose diameter	6 mm (0.25")
Water/coolant pressure	4 bar (60 psi). max
Weight excl. packaging	3.9 kg (8.6 lbs)
Weight incl. packaging	6 kg (13.2 lbs)
Transport dimensions	500 x 250 x 260 mm (20" x 10" x 10.25")
Sound level	115 dB(A), 82 dB(A) with silencer
Vibration level	< 2.5 m/s ²
Grinding cups	Non-RFID (ordered separately)

Grinding cups RG600Pro / RG550Be

RFID grinding cups



Super spherical grinding cups	Part. no	Semi ballistic grinding cups	Part. no
6 mm	SAN06SS	6 mm	SAN06SB
7 mm	SAN07SS	7 mm	SAN07SB
8 mm	SAN08SS	8 mm	SAN08SB
9 mm	SAN09SS	9 mm	SAN09SB
10 mm	SAN10SS	10 mm	SAN10SB
11 mm	SAN11SS	11 mm	SAN11SB
12 mm	SAN12SS	12 mm	SAN12SB
13 mm	SAN13SS	13 mm	SAN13SB
14 mm	SAN14SS	14 mm	SAN14SB
15 mm	SAN15SS	15 mm	SAN15SB
16 mm	SAN16SS	16 mm	SAN16SB
17 mm	SAN17SS	17 mm	SAN17SB
18 mm	SAN18SS	18 mm	SAN18SB
19 mm	SAN19SS	19 mm	SAN19SB
20 mm	SAN20SS	20 mm	SAN20SB
22 mm	SAN22SS	22 mm	SAN22SB
26 mm	SAN26SS	26 mm	SAN26SB

Grinding cups RG500Hh

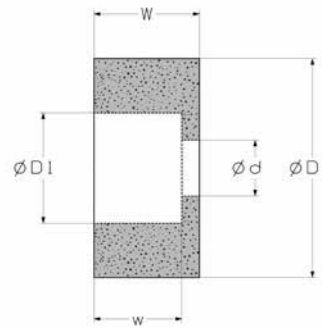
Non RFID grinding cups



Super spherical grinding cups	Part. no	Semi ballistic grinding cups	Part. no
6 mm	SANHH06SS	6 mm	SANHH06SB
7 mm	SANHH07SS	7 mm	SANHH07SB
8 mm	SANHH08SS	8 mm	SANHH08SB
9 mm	SANHH09SS	9 mm	SANHH09SB
10 mm	SANHH10SS	10 mm	SANHH10SB
11 mm	SANHH11SS	11 mm	SANHH11SB
12 mm	SANHH12SS	12 mm	SANHH12SB
13 mm	SANHH13SS	13 mm	SANHH13SB
14 mm	SANHH14SS	14 mm	SANHH14SB
15 mm	SANHH15SS	15 mm	SANHH15SB
16 mm	SANHH16SS	16 mm	SANHH16SB
17 mm	SANHH17SS	17 mm	SANHH17SB
18 mm	SANHH18SS	18 mm	SANHH18SB
19 mm	SANHH19SS	19 mm	SANHH19SB
20 mm	SANHH20SS	20 mm	SANHH20SB
22 mm	SANHH22SS	22 mm	SANHH22SB
26 mm	SANHH26SS	26 mm	SANHH26SB

Legacy machine grinding wheels

Grinding wheels for RG100P, RG100H, RG120P and RG120E



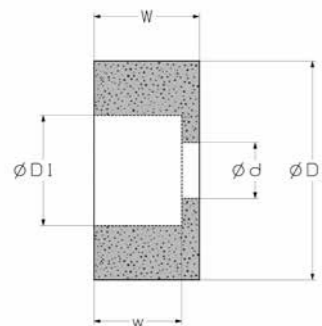
Grinding wheel for RG100

D	W	d	D1	w	Comment	Part.no
125	63	32	80	50	dry or wet grinding	797-1125-00
127	63	32	80	50	dry or wet grinding	797-1227-15
127	63	32	80	50	wet grinding	797-1227-10

Grinding wheel for RG120

D	W	d	D1	w	Comment	Part.no
150	83	63.5	100	64	wet grinding	797-1252-10

Grinding wheels for Secoroc: Junior and Senior Atlas Copco: Teroc 1500/1501

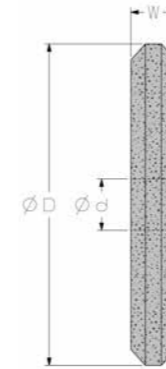


Secoroc: Junior and Senior, Atlas Copco: Teroc 1500/1501

D	W	d	D1	w	Comment	Part.no
200	102	32	150	80	wet grinding	797-1250-10

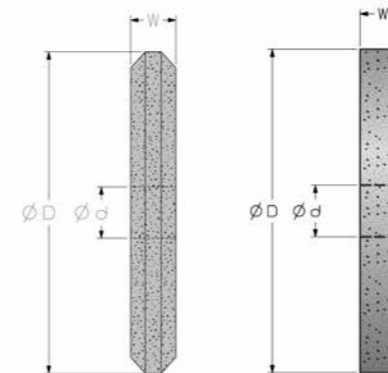
Legacy machine grinding wheels

Grinding wheels for RG300, RG320, RG340 and RG360



Bit insert angle	Bit Ø, mm	Wheel angle	D	W	d	Comment	Part.no
90°, Cross bits	33 – 35	132°	300	23	32	wet grinding	797-1190-23
90°, Cross bits	43 – 45	132°	300	29	32	wet grinding	797-1190-29
90°, Cross bits	48 – 51	132°	300	32	32	wet grinding	797-1190-32

Grinding wheels for RG140



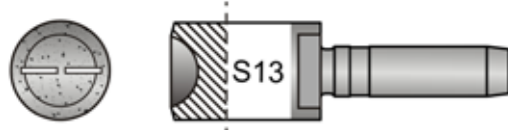
Bit insert angle	Bit Ø, mm	Wheel angle	D	W	d	Comment	Part.no
90°, Cross bits	33 – 39	132°	200	25	32	dry grinding	797-1101-25
90°, Cross bits	33 – 43	132°	200	28	32	dry grinding	797-1185-28
			200	32	32	dry grinding	797-1101-32

Legacy machine grinding cups

Grinding cups for RG400, RG410, RG420, RG440, RG460 and RG470Pro

Sancup Super (S)

Grinding cups for redressing spherical (and superspherical) buttons. Shank Ø 9 mm.



* = straight water flushing slots

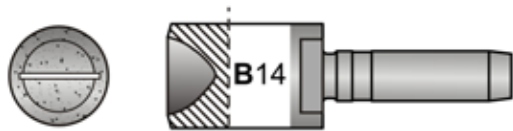


** = three water flushing slots

For button size	Part. No
7 mm	797-5120-07*
8 mm	797-5120-08*
9 mm	797-5120-09*
10 mm	797-5120-10*
11 mm	797-5120-11*
12 mm	797-5120-12**
13 mm	797-5120-13**
14 mm	797-5120-14**
15 mm	797-5120-15**
16 mm	797-5120-16**
18 mm	797-5120-18**
19 mm	797-5120-19**
20 mm	797-5120-20**
22 mm	797-5120-22**

Sancup Super (B)

Grinding cups for redressing semi ballistic buttons. Shank Ø 9 mm.



* = straight water flushing slots

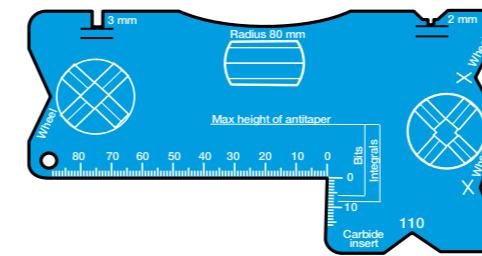


** = three water flushing slots

For button size	Part. No
7 mm	797-5121-07*
8 mm	797-5121-08*
9 mm	797-5121-09*
10 mm	797-5121-10*
11 mm	797-5121-11**
12 mm	797-5121-12**
13 mm	797-5121-13**
14 mm	797-5121-14**
16 mm	797-5121-16**
18 mm	797-5121-18**
19 mm	797-5121-19**
22 mm	797-5121-22**

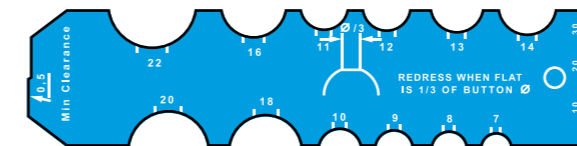
Grinding accessories

Grinding templates



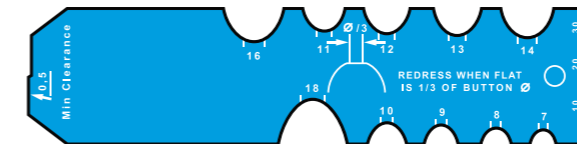
Grinding template for integrals steels / Grinding template for cross and X-bits with diameter up to 115 mm.

Description	Part. No
Grinding template	795-1343



Grinding template for spherical buttons.

Description	Part. No
Grinding template, spherical buttons	795-1397
Grinding template, semi ballistic buttons	795-1398



Grinding template for semi ballistic buttons.



