



# TOP HAMMER ROCK DRILLING TOOLS

2021



# HEALTH AND SAFETY INFORMATION

## ROUTES OF EXPOSURE

Grinding or heating hardmetal blanks or hardmetal products will produce dust or fumes with dangerous ingredients that can be inhaled or swallowed, or which might come in contact with the skin or eyes.

## 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.

## 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.

## CLASSIFICATION

Following hazard classification according to GHS/CLP applies to the hardmetal powder (3 % ≤ Co < 10 %):

- 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.

## PRECAUTIONARY STATEMENTS

- 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

IF INHALED: If breathing is difficult, remove the victim to fresh air and keep them at rest in a position comfortable for breathing. If they are experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

## 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.

## DISASSEMBLY OF HOT BIT, ROD, COUPLING, SLEEVE, SHANKADAPTER AND INTEGRAL STEEL

- Ensure that products have cooled down before disassembling
- Never work on hot parts
- Consider the appropriate hand protection (gloves) for the handling of warm parts

## 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.

## CLEANING OF RODS

A particular hazard exists with cleaning rods if the rods contain explosives. Sandvik rock tools should never be used in a hole that has been filled with explosives.

## DEALING WITH WORN PARTS

Worn parts should be removed and disposed appropriately. Consider recycling any used drill bits. Please contact your local Sandvik representative for support and further information regarding the recycling process.

## 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 and take the needed actions before any manual handling is done to prevent injuries.

## STORING

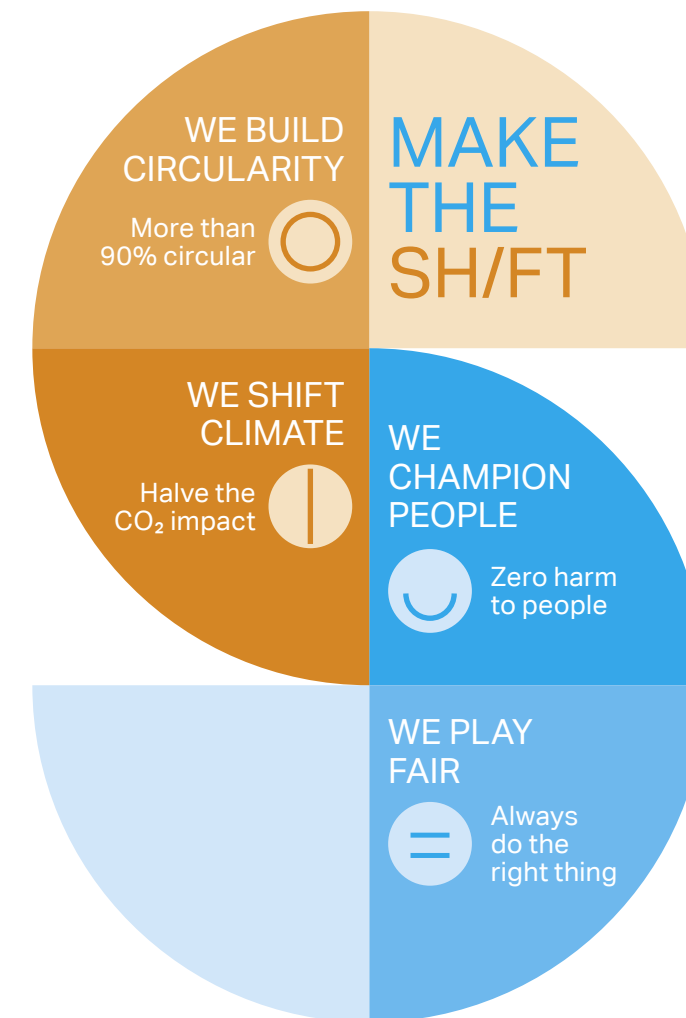
All products should be stored in a dry place and in their original packaging until they are required for use.

## GENERAL

The products in this catalog are designed for drilling holes in rock, and should only be used for this purpose.

# SANDVIK ROCK TOOLS: A SUSTAINABLE CHOICE

Sandvik is committed to contributing to a sustainable world. This commitment is summarized by our sustainability agenda for 2030 with goals in four areas: "Make the Shift".



## GLOBAL CARBIDE RECYCLING

Sandvik Rock Tools is world-leading in recycling cemented carbide. We view our customers' waste problem as an opportunity. By finding ways to make our own and our customers' businesses more energy efficient and environmentally friendly, we can grow together with high ethics and brand recognition.

The benefits are great with making tools from recycled solid carbide:

- 70% less energy
- 40% less CO<sub>2</sub> emissions

## OPTIMIZED LOGISTICS CHAIN

Sandvik Rock Tools work closely with both customers and suppliers to optimize the entire logistics chain in order to reduce our global footprint. Between 2017 and 2019, Sandvik Rock Tools reduced its airfreight with 140%, and in all transportation we have reduced the CO<sub>2</sub> emissions with more than 33%!





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## RECYCLING THAT PAYS OFF FOR YOU

Environmental considerations are crucial in all of our operations, and never more so than when it comes to the recycling of cemented carbide.

The global shortage of raw material has inspired us to create an extensive scrap-recycling program. We recognize today's increasing environmental concerns, and we are the only mining company that recycles both steel and cemented carbide.

In fact, we have been collecting and recycling both scrap and discarded drilling consumables for conversion back into basic raw materials for almost 10 years. A large number of customers have joined our recycling program during this period. One major reason for this is that we make it easy for them to recycle, by collecting scrap from their own premises.

All of our customer service centres are now set up to receive used cemented carbide-enhanced products. Our recycling plant in Chiplun, India complies with the most stringent environmental standards, and is certified to the ISO 14001 and OHSAS 18001 (ISO 45001) international standard.

### WHAT WE OFFER:

- Recycling of cemented carbide available worldwide
- Sustainable recycling process with low environmental impact
- Cost recovery and reduced waste disposal for you
- Money received for worn tools can purchase new inserts or finance new tooling projects

- Consumables and tools from all manufacturers are accepted
- A win-win situation for all

Adopting sustainable business practices and handling them in the right way is a foundation that contributes across the entire business value chain.

The whole supply chain will be improved by incorporating recycling into the business process. For instance, our recycling process significantly reduces energy consumption and carbon dioxide emissions, thereby reducing environmental impact.

### CARBIDE RECYCLING PROGRAM PART OF SANDVIK SUSTAINABLE BUSINESS

#### PRESERVE OUR PLANET

The global shortage of raw materials has inspired our scrap recycling program, the program addresses today's increasing environmental concerns.

We recycle your used Carbide Enhanced Rock Tools as easy as possible with a convenient collection at your operation. We'll pay market price for the Carbide and recycle it to create new tools.

Together with our customers, we'll reduce the environmental impacts of Rock Tools production.

## IT'S THE INSIDE THAT MATTERS TO THE BOTTOM LINE

PowerCarbide is a gathering of our most powerful carbide grades. With its outstanding performance PowerCarbide improves your results. In your drilling operation as well as in your business.





# THE SANDVIK POWERCARBIDE GRADES

## DUAL PROPERTY GRADES

DP55 has wear resistance similar to our standard grades, but offers greater toughness. It is especially suited to large ballistic inserts, accommodating the higher loads the insert may be exposed to due to a longer protrusion. DP65 has similar toughness to our standard grades, but a considerably higher wear resistance. This grade works best when drilling in very abrasive rock with large spherical inserts.

## GRADIENT CARBIDE GRADES

GC80 and GC81 is developed for hard and abrasive ground conditions. Our innovative manufacturing process makes it possible to produce buttons that are wear-resistant on the outside, while the center provides a toughness that further extends service life and grinding intervals.

## SELF HARDENING GRADES

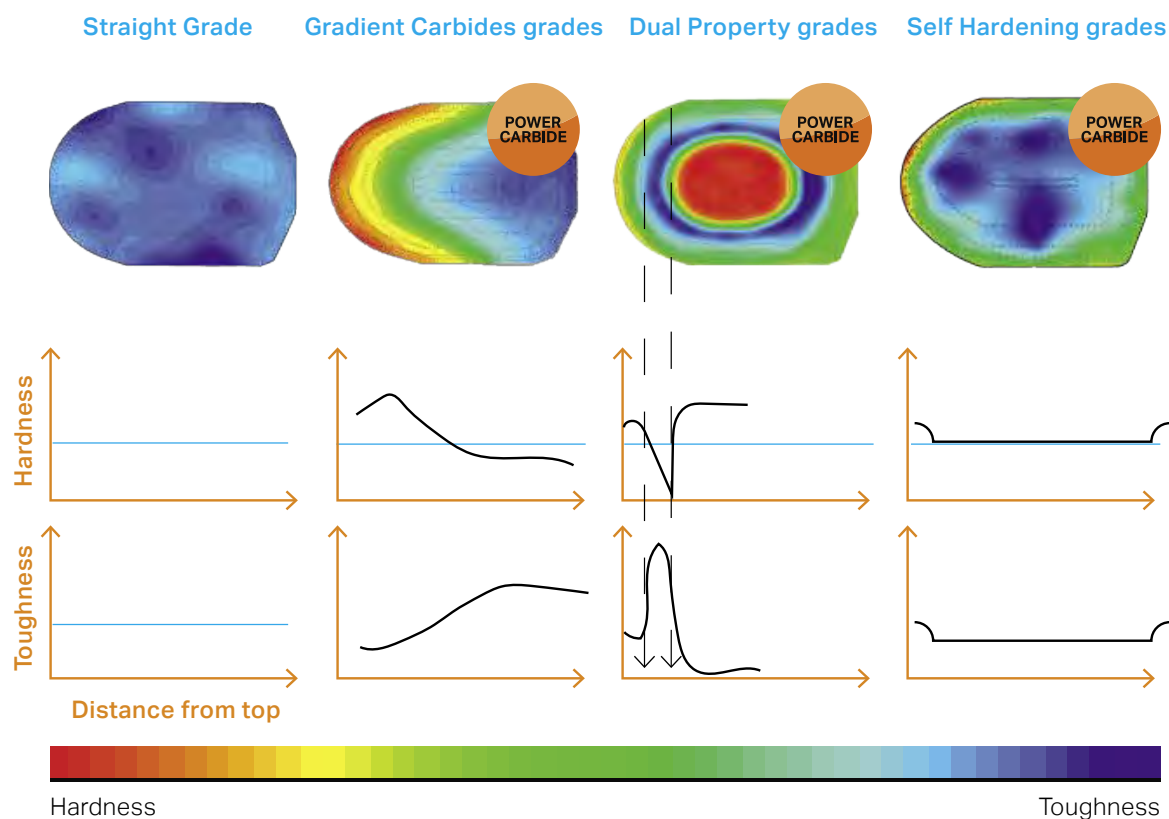
SH70 is a grade with homogeneous properties throughout the material. It is "self-hardening" as it has the ability to become both more wear resistant and tougher as drilling progresses.

The hardness of the insert surface continuously increases during drilling, which means that the hard top never wears off. The self-hardening effect is greatest in hard and competent ground.

## XT49

XT49 takes the standard straight grade XT48 to the next level. Our manufacturing process enables the reduction of early breakages of the insert. As this grade is more resilient to breakage, it enables more protrusion and a sharper geometry.

## ROCK TOOLS DIFFERENT INSERT TYPES



\*The images above show a cross-section of our different insert types

# EXTEND SERVICE LIFE INCREASE PRODUCTIVITY

Integral drill steels, tapered rods, drill bits and threaded rods are crucial for peak productivity in all applications. Our drill steel has a high fatigue strength and toughness, and offers the high wear resistance that ensures an efficient and economic drilling operation. The unique Sandvik R23 rods and bits for extension drilling provide the strongest thread in

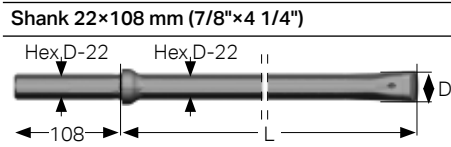
sizes ranging from 33 to 45 mm. For underground applications, we have fully carburized rods with superior wear resistance and service life. When you partner with Sandvik, you can expect consistently high quality and maximum operational dependability when it comes to all small hole drilling applications.

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# HANDHELD AND SMALL HOLE DRILLING





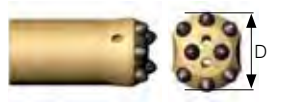


## H22 (7/8") INTEGRAL DRILL STEELS

Series	DIMENSIONS				PART NO.	
	L mm	ft	in	D mm	in	
<b>Shank 22x108 mm (7/8"x4 1/4")</b>						
11	800	2'	7"	34	1 11/32"	714-0834-65
	1600	5'	3"	33	1 19/64"	714-1633-65
	2400	7'	10"	32	1 1/4"	714-2432-65
	3200	10'	6"	31	1 7/32"	714-3231
	4000	13'	1"	30	1 3/16"	714-4030
	4800	15'	9"	29	1 9/64"	714-4829
	5600	18'	4"	28	1 7/64"	714-5628-50
	6400	21'	-	27	1 1/16"	714-6427-50
	7200	23'	8"	26	1 1/32"	714-7226-50
	12	800	2'	7"	40	1 37/64"
1600		5'	3"	39	1 17/32"	714-1639-65
2400		7'	10"	38	1 1/2"	714-2438-65
3200		10'	6"	37	1 29/64"	714-3237-65
4000		13'	1"	36	1 27/64"	714-4036-65
4800		15'	9"	35	1 3/8"	714-4835-65
5600		18'	4"	34	1 11/32"	714-5634-65
6400		21'	-	33	1 19/64"	714-6433-65
13	400	1'	4"	34	1 11/32"	714-0434-65
	800	2'	7"	33	1 19/64"	714-0833-65
	1200	3'	11"	32	1 1/4"	714-1232-65
	2000	6'	7"	30	1 3/16"	714-2030
16	600	2'	-	35	1 3/8"	714-0635-65
	1200	3'	11"	34	1 11/32"	714-1234-65
	1800	5'	11"	33	1 19/64"	714-1833-65
	2400	7'	10"	32	1 1/4"	714-2432-65
17	600	2'	-	41	1 5/8"	714-0641-65
	1200	3'	11"	40	1 37/64"	714-1240-65
	1800	5'	11"	39	1 17/32"	714-1839-65
	2400	7'	10"	38	1 1/2"	714-2438-65
	2000	6'	7"	33	1 19/64"	714-2033-65
8000	26'	3"	26	1 1/32"	714-8026-50	
8800	28'	11"	25	1"	714-8825-5005	
9600	31'	6"	25	1"	714-9625-5005	
1600	5'	3"	28	1 7/64"	714-1628-50	
2400	7'	10"	27	1 1/16"	714-2427-50	



# HANDHELD AND SMALL HOLE DRILLING

## H22 TAPERED TOOLS, 12° TAPER

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit</b>									
	1x5	1x5	1x7	4x7	35°	28	1 1/8"	●	7795-6428-B48
	1x5	1x5	1x7	4x7	35°	30	1 3/16"	●	7795-6430-B48
<b>Button bit</b>									
	2x4	1x4	2x7	5x7	40°	32	1 1/4"	●	7795-5232-B48
	2x4	1x4	2x7	5x8	40°	35	1 3/8"	●	7795-5235-B48
	2x5	1x5	2x7	5x9	40°	38	1 1/2"	●	7795-5238-B48
<b>Button bit</b>									
	2x4	1x4	2x7	5x7	40°	33	1 9/64"	●	7770-5233-B48
	2x4	1x4	2x7	5x8	40°	35	1 3/8"	●	7770-5235-B48
<b>Button bit</b>									
	1x4	1x6	2x7	5x7	35°	33	1 9/64"	●	7770-4433-B48
<b>Button bit</b>									
	2x4	1x4	2x7	6x7	40°	33	1 9/64"	●	7770-5433-B48
	2x4	1x4	2x7	6x8	40°	35	1 3/8"	●	7770-5435-B48
<b>Button bit</b>									
	2x4	1x5	2x7	6x7	40°	33	1 9/64"	●	5770-5433M-B49
	2x4	1x5	2x7	6x8	40°	33	1 9/64"	●	5770-5433M-B70
<b>Cross bit</b>									
	1x6	2x4.5	-	-	-	32	1 1/4"	●	7770-9032-42
	1x6.35	2x4.5	-	-	-	45	1 3/8"	●	7770-9045-42

### BIT DIAMETER NOTES

All bit diameters are larger than the given dimensions in the catalog.

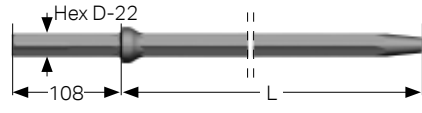
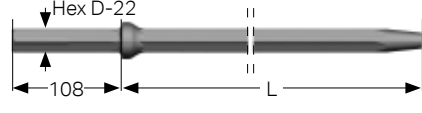
**Cross bits:** Can be a maximum of +1 mm due to manufacturing tolerance.

**Button bits:** Some bit designs can be a maximum +3 mm to compensate for fast diameter wear. The minimum diameter for all button bits is +1.5 mm above the given dimensions.

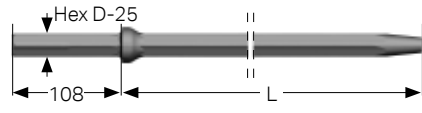
*Keep in mind that a bit always drills a bigger hole than the stated bit diameter.*

# HANDHELD AND SMALL HOLE DRILLING

## H22 TAPERED TOOLS, 12° TAPER


RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Tapered rod, shank 22×108, carburized</b>						
	610	2'	-	22	7/8"	7870-6106-11
	1220	4'	-	22	7/8"	7870-6112-11
	1830	6'	-	22	7/8"	7870-6118-11
	2000	6'	7"	22	7/8"	7870-6120-11
	2440	8'	-	22	7/8"	7870-6124-11
	3050	10'	-	22	7/8"	7870-6131-11
	3200	10'	6"	22	7/8"	7870-6132-11
	3660	12'	-	22	7/8"	7870-6137-11
	4300	14'	1 1/2"	22	7/8"	7870-6143-11
<b>Tapered rod, shank 22×108, HF-hardened – For surface drilling</b>						
	2440	8'	-	22	7/8"	7870-1124-11
	3200	10'	6"	22	7/8"	7870-1132-11
	4000	13'	1 1/2"	22	7/8"	7870-1140-11
	4400	14'	5"	22	7/8"	7870-1144-11
	4800	15'	9"	22	7/8"	7870-1148-11
	5600	18'	4 1/2"	22	7/8"	7870-1156-11
	6400	21'	-	22	7/8"	7870-1164-11
	7200	23'	7 1/2"	22	7/8"	7870-1172-11
	8000	26'	3"	22	7/8"	7870-1180-11
8800	28'	10 1/2"	22	7/8"	7870-1188-11	

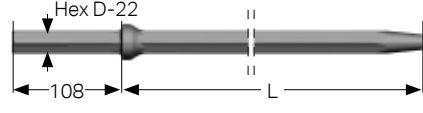
## H25 TAPERED TOOLS 12° TAPER

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Tapered rod, shank 25X108, carburized</b>						
	4300	14'	-	25	1"	7870-7143-30

# HANDHELD AND SMALL HOLE DRILLING


## H22 TAPERED TOOLS, 11° TAPER

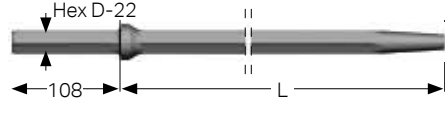
BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No	Gauge Size	Front No	Gauge Size		mm	in		
<b>Button bit</b>									
	1×5	1×5	2×7	5×7	40°	32	1 1/4"	●	7776-4432-B48
	1×5	1×5	2×7	5×8	40°	35	1 3/8"	●	7776-4435-B48
	1×5	1×5	2×7	5×8	35°	36	1 7/16"	●	7776-4436-B48
	1×6	1×6	2×7	5×8	35°	38	1 1/2"	●	7776-4438-B48
	1×6	1×6	2×8	5×9	35°	40	1 37/64"	●	7776-4440-B48

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Tapered rod, shank 22×108, carburized</b>						
	610	2'	-	22	7/8"	7876-6106-11
	800	2'	7 1/2"	22	7/8"	7876-6108-11
	1220	4'	-	22	7/8"	7876-6112-11
	1600	5'	3"	22	7/8"	7876-6116-11
	1830	6'	-	22	7/8"	7876-6118-11
	2000	6'	7"	22	7/8"	7876-6120-11
	2440	8'	-	22	7/8"	7876-6124-11
	3050	10'	-	22	7/8"	7876-6131-11
	3600	11'	9 1/2"	22	7/8"	7876-6136-11

# HANDHELD AND SMALL HOLE DRILLING


## H22 TAPERED TOOLS, 7° TAPER

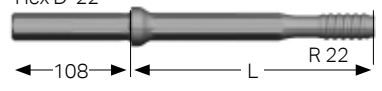
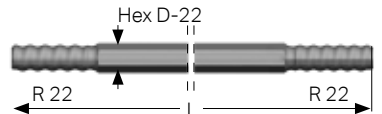

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
	<b>Button bit</b>								
	2x5	1x5	2x7	5x7	40°	32	1 1/4"	●	7788-5232-B48
	2x4	1x4	2x7	5x7	40°	33	1 9/64"	●	7788-5233-B48
	2x4	1x4	2x7	5x8	40°	35	1 3/8"	●	7788-5235-B48
	2x4	1x4	2x7	5x8	35°	38	1 1/2"	●	7788-5238-B48

RODS	DIMENSIONS						PART NO.
	L			D			
	mm	ft	in	mm	in		
<b>Tapered rod, shank 22x108, carburized</b>							
	2400	8'	-	22	7/8"	7888-6124-11	
	3200	10'	6"	22	7/8"	7888-6132-11	

# HANDHELD AND SMALL HOLE DRILLING

## R22 (7/8") EXTENSION DRILLING TOOLS


CROSS BIT	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
	<b>Cross bit</b>								
	1	4.5	2	4.5	-	38	1 1/2"	●	7731-1038-42

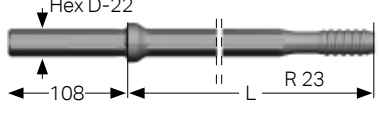
RODS	DIMENSIONS						PART NO.
	L			D			
	mm	ft	in	mm	in		
<b>Shank adapter / Shank rod, Hex 22 - R22</b>							
	255	-	10 3/64"	22	7/8"	7801-6103-11	
<b>Extension rod R22 - Hex 22 - R22</b>							
	1200	3'	11"	22	7/8"	7851-1312-20	
<b>Coupling sleeve, R22</b>							
	140	-	5 1/2"	31	1 7/32"	7991-3331	

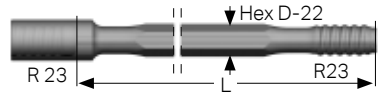


# HANDHELD AND SMALL HOLE DRILLING

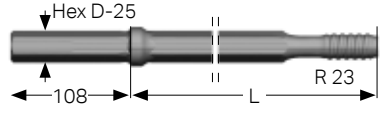
## R23 (29/32") EXTENSION DRILLING TOOLS

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
 Button bit	1×4	1×6	2×7	5×7	35°	33	1 5/16"	●	7737-4433-R48
	1×6	1×6	2×7	5×8	40°	35	1 3/8"	●	7737-5235-R48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7737-5238A-R48
	1×6	1×6	2×8	5×9	35°	41	1 5/8"	●	7737-5241-R48
	3×4.5	-	3×8	6×9	40°	45	1 3/4"	●	7737-5345-R48

RODS	DIMENSIONS				PART NO.
	L mm	ft	in	D mm in	
 Shank adapter / Shank rod, Hex 22 – R23	255	-	10 3/64"	22 7/8"	7807-6103-11
	800	2'	7"	22 7/8"	7807-6108-11
	1600	5'	3"	22 7/8"	7807-6116-11
	2400	8'	-	22 7/8"	7807-6124-11
	3200	10'	-	22 7/8"	7807-6132-11
	3600	11'	9 5/8"	22 7/8"	7807-6136-11


 MF-rod, R23 – Hex 22 – R23	2095	6'	10 1/2"	22 7/8"	7857-4821-20
	3050	10'	-	22 7/8"	7857-4831-20


Female end Ø 31 mm.


 Shank adapter / Shank rod, Hex 25 – R23	255	-	10 3/64"	25 1"	7807-7103-30
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# HANDHELD AND SMALL HOLE DRILLING

## R25 (1") EXTENSION DRILLING TOOLS

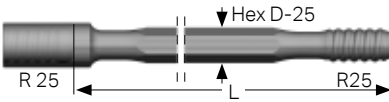
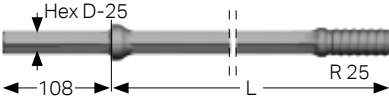
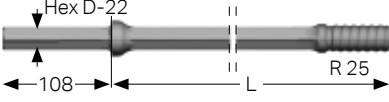
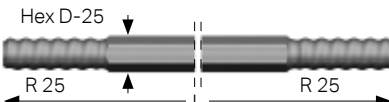

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
 Button bit, type 44/52	1×5	1×6	2×7	5×7	45°	33	1 5/16"	●	7732-4433C-S48
	1×4	1×6	2×7	5×9	30°	35	1 3/8"	●	7732-4435-S48
	1×4	1×6	2×7	5×9	30°	35	1 3/8"	●	7732-4435-S70
	1×4	1×6	2×7	5×9	30°	35	1 3/8"	●	7732-4435-S80
	1×5	1×6	2×7	5×9	30°	37	7/16"	●	7732-4437C-S48
	1×6	1×6	2×7	5×8	40°	35	1 3/8"	●	7732-5235-R48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7732-5238-R48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7732-5238-S48
	1×6	1×6	2×8	5×9	35°	41	1 5/8"	●	7732-5241-S48

 Button bit, type 53	3×4.5	-	3×8	6×9	40°	45	1 3/4"	●	7732-5345F-R48
	3×4.5	1×4.5	3×8	6×10	30°	48	1 7/8"	●	7732-5348A-S48

 Cross bit	1×5	2×5				35	1 3/8"	●	7732-1435-42
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# HANDHELD AND SMALL HOLE DRILLING


## R25 (1") EXTENSION DRILLING TOOLS


RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>MF-ROD, R25 – Hex 25 – R 25</b>						
	1220	4'	-	25	1"	7852-3112-20
	3025	10'	-	25	1"	7852-313025-20
	3660	12'	-	25	1"	7852-3137-20
<b>Shank adapter / Shank rod, Hex 25 × R25</b>						
	2400	7'	10"	25	1"	7802-7124-30
	3735	12'	3"	25	1"	7802-71373-30
<b>Shank adapter / Shank rod, Hex 22 × R25</b>						
	255	-	10 3/64"	22	7/8"	7802-6103-11
	800	2'	7"	22	7/8"	7802-6108-11
	1000	3'	3"	22	7/8"	7802-6110-11
<b>Extension rod, R25 – Hex 25 – R25</b>						
	915	3'	-	25	1"	7852-2309-20
	1220	4'	-	25	1"	7852-2312-20
	1525	5'	-	25	1"	7852-2315-20
	1830	6'	-	25	1"	7852-2318-20
	2435	8'	-	25	1"	7852-2324-20
	3050	10'	-	25	1"	7852-2331-20
<b>Coupling sleeve, R25</b>						
	160	-	6 1/4"	35	1 3/8"	7992-3335

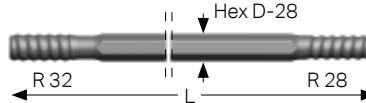
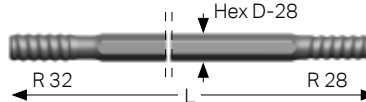
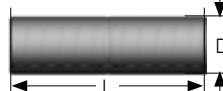
# HANDHELD AND SMALL HOLE DRILLING

## R28 (1 1/8") EXTENSION DRILLING TOOLS

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, type 52</b>									
	1×5	1×6	2×7	5×9	30°	37	7/16"	●	7739-5237-S48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7739-5238-R48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7739-5238-S48
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7739-5238-S70
	1×6	1×6	2×7	5×9	35°	38	1 1/2"	●	7739-5238-S80
	1×6	1×6	2×8	5×9	35°	41	1 5/8"	●	7739-5241-S48
	1×6	1×6	2×8	5×10	35°	43	1 11/16"	●	7739-5243-S48

REAMING TOOLS	THREAD	DIMENSIONS				PART NO.	
		L mm	ft	in	D mm		in
<b>Reaming tools for cut holes / Pilot adapter, 6° taper</b>							
	R28	285	-	11 1/4"	26	1 1/32"	7822-1526

REAMING TOOLS FOR CUT HOLES / REAMING BIT, 6° TAPER	BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size		mm	in	
	4×8	8×9	25°	64	2 1/2"	7722-4864-S48
	4×10	8×10	30°	76	3"	7722-4876-S48
	6×10	8×12	35°	89	3 1/2"	7722-4889-S48

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, R32 – Hex 28 – R28</b>						
	2475	8'	1 1/2"	28	1 1/8"	7853-7624-20
	2785	9'	1 5/8"	28	1 1/8"	7853-7627-20
	3090	10'	1 5/8"	28	1 1/8"	7853-7631-20
	3340	10'	11 1/2"	28	1 1/8"	7853-7633-20
	3700	12'	1 5/8"	28	1 1/8"	7853-7637-20
	4305	14'	1 1/2"	28	1 1/8"	7853-7643-20
Flushing hole Ø 8.8 mm.						
<b>MF-rod, R28 - Round 32 - R28</b>						
	3050	10'	-	32	1 1/1"	7859-5131-20
	3660	12'	-	32	1 1/1"	7859-5137-20
<b>Coupling sleeve, R32</b>						
	150		5 29/32"	44	1 47/64"	7993-3644

# TOOL SELECTION

**SANDVIK TOOL SELECTION FOR SMALL HOLE DRILLING**



**DESIGN 19**  
 Designed for short holes < 2 m, these low-pressure hammers are ideal for solid rock formations.



**DESIGN 44/52**  
 This premium, wear resistant bit features a strong gauge and is designed to be a strong performer in all rock conditions. The high-pressure hammers are specifically made to achieve high penetration rates.

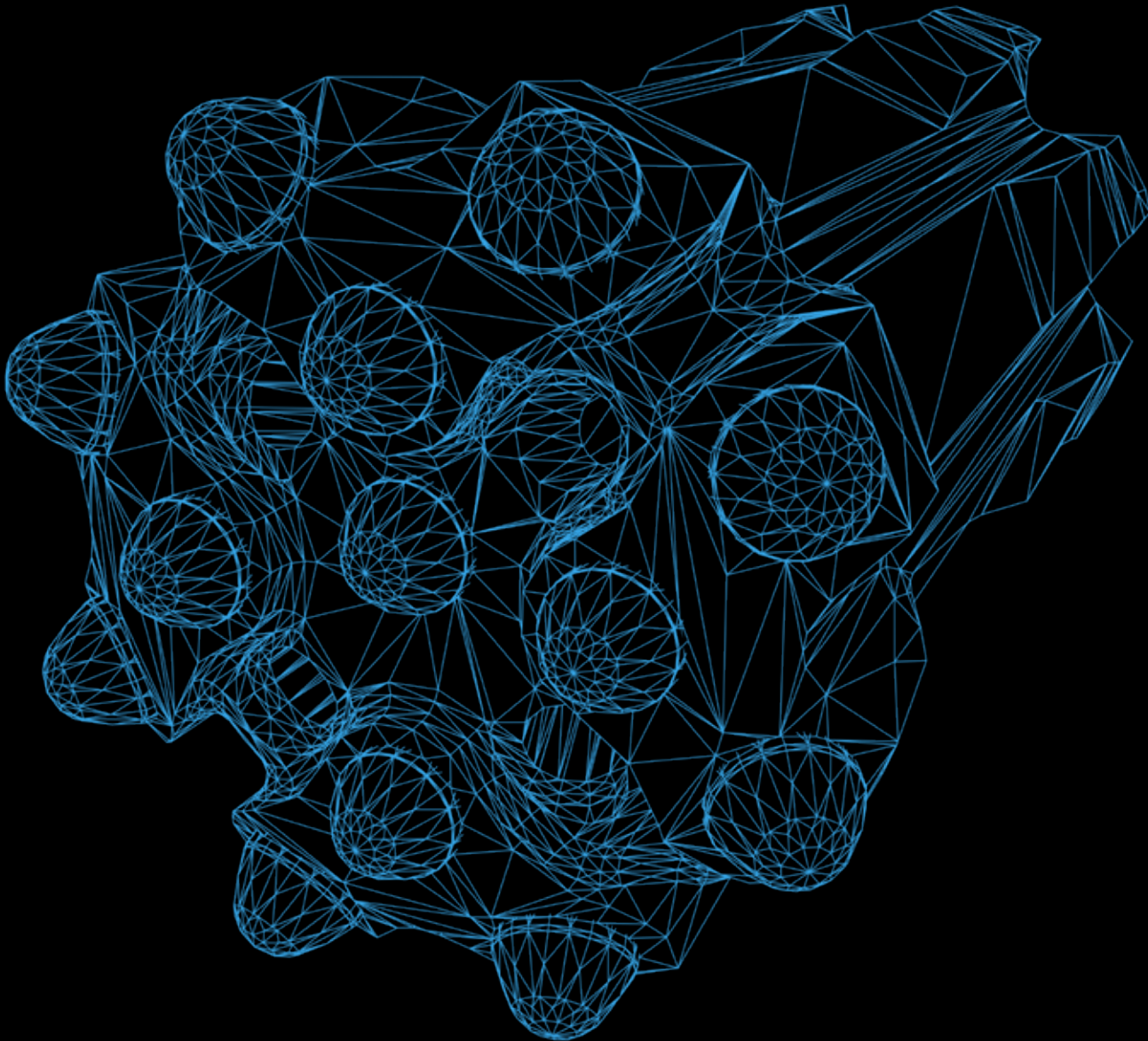


**DESIGN 54**  
 With this premium bit, designed for high wear resistance in all rock conditions – featuring a strong gauge – you can get the most out of your operations. The high-pressure hammers also deliver quick penetration rates.



# ALWAYS IMPROVING YOUR SOLUTIONS

Our engineers are continuously engaged in upgrading our tool systems. Supported by our in-house manufacturing facilities, they engineer solutions that enable you and other rock-drilling professionals around the world to work even more profitably with the latest technology.



R25 (1") BIT THREAD	26
R28 (1 1/8") BIT THREAD	28
R32 (1 1/4") BIT THREAD	29
SANDVIK ALPHA. $\alpha$ 330 BIT THREAD	32
R35 (1 3/8") BIT THREAD	35
SANDVIK GT38	37
SANDVIK DRIFTER BITS	38



## STRAIGHTER HOLES AND IMPROVED PERFORMANCE

Sandvik Alpha 330 is a market-leading drill system for both tunneling and mine development applications. The benefits of using it are great: you can reduce your rock tools costs with up to 20%, and at the same time achieve more efficient drilling operations compared to standard systems.

### UNIQUE THREAD DESIGN

Sandvik Alpha 330 features a unique thread design. The short bit thread in the tool system results in a rigid, integrated powerpack drill string with superior resistance to bending stresses, improved bit guidance and perfect energy transfer.

The sturdy thread is well guided inside the bit skirt, offering high precision in collaring – even in complex rock formations and against uneven surfaces..

### ADVANTAGES

- Extended rod life (30-80%)
- Longer shank adapter life
- High penetration rate
- High precision in collaring
- Great drilling accuracy and hole straightness
- Faster and easier uncoupling of bits
- Reduced machine downtime

\*Test results and calculations are to be considered as results reached under certain and controlled conditions. These test results and calculations should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.

# FACE DRILLING AND BOLTING

## R25 (1") BIT THREAD

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, type 52</b>									
	1x5	1x6	2x7	5x7	45°	33	1 5/16"	●	7732-4433C-S48
	1x4	1x6	2x7	5x9	30°	35	1 3/8"	●	7732-4435-S48
	1x4	1x6	2x7	5x9	30°	35	1 3/8"	●	7732-4435-S70
	1x4	1x6	2x7	5x9	30°	35	1 3/8"	●	7732-4435-S80
	1x5	1x6	2x7	5x9	30°	37	7/16"	●	7732-4437C-S48
	1x6	1x6	2x7	5x8	40°	35	1 3/8"	●	7732-5235-R48
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7732-5238-R48
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7732-5238-S48
	1x6	1x6	2x8	5x9	35°	41	1 5/8"	●	7732-5241-S48
	<b>Button bit, type 53</b>								
	3x4.5	-	3x8	6x9	40°	45	1 3/4"	●	7732-5345F-R48
	3x4.5	1x4.5	3x8	6x10	30°	48	1 7/8"	●	7732-5348A-S48
<b>Cross bit</b>									
	1x5	2x5				35	1 3/8"	●	7732-1435-42

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, R32 – Hex 25 – R25</b>						
	1870	6'	1 1/2"	25	1"	7853-2418-20
	2175	7'	1 5/8"	25	1"	7853-2421-20
	2475	8'	1 1/2"	25	1"	7853-2424-20
	2630	8'	7 1/2"	25	1"	7853-2426-20
	2785	9'	1 5/8"	25	1"	7853-2427-20
	2935	9'	7 1/2"	25	1"	7853-2429-20
	3090	10'	1 5/8"	25	1"	7853-2431-20
	3340	10'	11 1/2"	25	1"	7853-2433-20
3700	12'	1 5/8"	25	1"	7853-2437-20	
<b>Drifter rod, R32 – Hex 28 – R25</b>						
	2630	8'	7 1/2"	28	1 1/8"	7853-3026-20
	3090	10'	1 5/8"	28	1 1/8"	7853-3031-20
Flushing hole Ø 8.6 mm.						
<b>Coupling sleeve, R32</b>						
	150	-	5 29/32"	44	1 47/64"	7993-3644

# FACE DRILLING AND BOLTING


## R25 (1") REAMING TOOLS

	THREAD	DIMENSIONS					PART NO.
		L mm	ft	in	D mm	in	
<b>Reaming tools for cut holes / Pilot adapter, 6° taper</b>							
	R25	256	-	10°	26	1 1/32"	7822-2526
<b>Reaming tools for cut holes / Reaming bit, 6° taper</b>							
	BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.	
	Front No Size	Gauge No Size		mm	in		
	4x8	8x9	25°	64	2 1/2"	7722-4864-S48	
4x10	8x10	30°	76	3"	7722-4876-S48		
6x10	8x12	35°	89	3 1/2"	7722-4889-S48		




# FACE DRILLING AND BOLTING

## R28 (1 1/8") BIT THREAD


BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
	1x5	1x6	2x7	5x9	30°	37	7/16"	●	7739-5237-S48
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7739-5238-R48
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7739-5238-S48
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7739-5238-S70
	1x6	1x6	2x7	5x9	35°	38	1 1/2"	●	7739-5238-S80
	1x6	1x6	2x8	5x9	35°	41	1 5/8"	●	7739-5241-S48
	1x6	1x6	2x8	5x10	35°	43	1 11/16"	●	7739-5243-S48

### REAMING TOOLS

	THREAD	DIMENSIONS					PART NO.
		L mm	ft	in	D mm	in	
Reaming tools for cut holes / Pilot adapter, 6° taper	R28	285	-	11 1/4"	26	1 1/32"	7822-1526

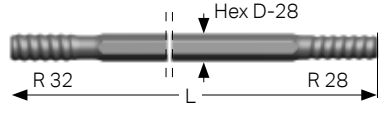


	BUTTONS, MM	ANGLE	DIMENSIONS D		PART NO.	
			Front No Size	Gauge No Size		mm
Reaming tools for cut holes / Reaming bit, 6° taper	4x8	8x9	25°	64	2 1/2"	7722-4864-S48
	4x10	8x10	30°	76	3"	7722-4876-S48
	6x10	8x12	35°	89	3 1/2"	7722-4889-S48



### RODS

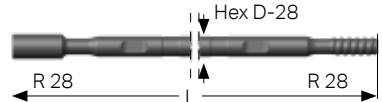
	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
Drifter rod, R32 - Hex 28 - R28	2475	8'	1 1/2"	28	1 1/8"	7853-7624-20
	2785	9'	1 5/8"	28	1 1/8"	7853-7627-20
	3090	10'	1 5/8"	28	1 1/8"	7853-7631-20
	3340	10'	11 1/2"	28	1 1/8"	7853-7633-20
	3700	12'	1 5/8"	28	1 1/8"	7853-7637-20
	4305	14'	1 1/2"	28	1 1/8"	7853-7643-20



Flushing hole Ø 8.8 mm.

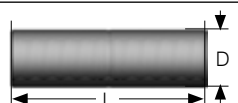
### MF-rod, R28 - Round 32 - R28

3050	10'	-	32	1 1/1"	7859-5131-20
3660	12'	-	32	1 1/1"	7859-5137-20



### Coupling sleeve, R32


150	5 29/32"	44	1 47/64"	7993-3644
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# FACE DRILLING AND BOLTING


## R32 (1 1/4") BIT THREAD

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Speedy bit	3x4,5	-	3x8	6x9	10° 35°	43	1 11/16"	●	7733-6043-F49
	3x5	-	3x8	6x10	10° 35°	45	1 3/4"	●	7733-6045-F49
	3x5	-	3x9	6x10	10° 35°	48	1 7/8"	●	7733-6048-F49
	3x6	-	3x9	6x10	10° 40°	51	2"	●	7733-6051-F49




### Button bit, type 52

1x6	1x6	2x8	5x9	35°	41	1 5/8"	●	7733-5241-S48
1x5	2x6	2x9	5x10	35°	43	1 11/16"	●	7733-5243A-S48
1x5	2x6	2x9	5x10	35°	43	1 11/16"	●	7733-5243A-S70
1x5	2x6	2x9	5x10	35°	43	1 11/16"	●	7733-5243A-S80
1x5	2x6	2x9	5x11	30°	45	1 3/4"	●	7733-5245A-S48
1x6	2x7,5	2x9	5x11	35°	48	1 7/8"	●	7733-5248A-S48
1x6	2x7,5	2x10	5x12	35°	51	2"	●	7733-5251A-S48



### Button bit, type 53/16

3x4,5	1x4,5	3x8	6x9	30°	43	1 11/16"	●	7733-5343A-R48
3x4,5	1x4,5	3x8	6x10	30°	45	1 3/4"	●	7733-5345A-R48
3x4,5	1x4,5	3x8	6x10	25°	45	1 3/4"	●	7733-5345A-S48
3x4,5	1x4,5	3x8	6x10	25°	45	1 3/4"	●	7733-5345A-S70
3x4,5	1x4,5	3x8	6x10	25°	45	1 3/4"	●	7733-5345A-S80
3x5	1x5	3x9	6x10	30°	48	1 7/8"	●	7733-5348A-R48
3x5	1x5	3x9	6x10	30°	48	1 7/8"	●	7733-5348A-S48




3x6	1x6	3x9	6x10	40°	51	2"	●	7733-1651A-R48
3x6	1x6	3x9	6x10	35°	51	2"	●	7733-1651A-S48
3x6	1x6	3x10	6x11	35°	57	2 1/4"	●	7733-1657A-S48
3x7	-	3x11	6x12	30°	64	2 1/2"	●	7733-1664A-S48




### Button bit, type 54

2x6	2x6	2x9	6x9	40°	43	1 11/16"	●	7733-5443B-R48
2x6	2x6	2x9	6x10	35°	45	1 3/4"	●	7733-5445B-R48




### Button bit, type 55

3x5	1x5	3x8	6x9	40°	45	1 3/4"	○	7733-5545AF-F49
3x6	1x6	3x9	6x9	40°	48	1 7/8"	○	7733-5548AF-F49
3x6	1x6	3x9	6x10	40°	51	2"	○	7733-5551AF-F49




### Button bit, type 18

4x7	-	5x10	8x11	35°	76	3"	●	7733-1876-S48
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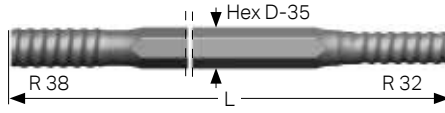
### Cross bit

1x4,5	4x4,5	-	-	-	45	1 3/4"	●	7733-1345A-42
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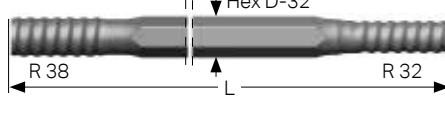


# FACE DRILLING AND BOLTING

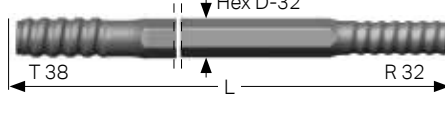
## R32 (1 1/4") BIT THREAD

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, R38 – Hex 35 – R32</b>						
	3090	10'	1 5/8"	35	1 3/8"	7854-9631-20
	3700	12'	1 5/8"	35	1 3/8"	7854-9637-20
	4305	14'	1 1/2"	35	1 3/8"	7854-9643-20
	4915	16'	1 1/2"	35	1 3/8"	7854-9649-20
	5525	18'	1 1/2"	35	1 3/8"	7854-9655-20

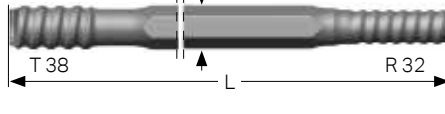
Flushing hole Ø 9.5 mm.

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, R38 – Hex 32 – R32</b>						
	2475	8'	1 1/2"	32	1 1/4"	7854-8624-20
	3090	10'	1 5/8"	32	1 1/4"	7854-8631-20
	3700	12'	1 5/8"	32	1 1/4"	7854-8637-20
	4305	14'	1 1/2"	32	1 1/4"	7854-8643-20
	4915	16'	1 1/2"	32	1 1/4"	7854-8649-20

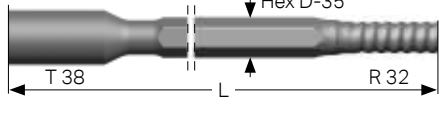
Flushing hole Ø 9.6 mm.

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, T38 – Hex 32 – R32</b>						
	3090	10'	1 5/8"	32	1 1/4"	7324-8631-20
	3700	12'	1 5/8"	32	1 1/4"	7324-8637-20
	4305	14'	1 1/2"	32	1 1/4"	7324-8643-20

Flushing hole Ø 9.6 mm.

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, T38 – Hex 35 – R32</b>						
	2475	8'	1 1/2"	35	1 3/8"	7324-9624-20
	3090	10'	1 5/8"	35	1 3/8"	7324-9631-20
	3700	12'	1 5/8"	35	1 3/8"	7324-9637-20
	4305	14'	1 1/2"	35	1 3/8"	7324-9643-20
	4915	16'	1 1/2"	35	1 3/8"	7324-9649-20
	5525	18'	1 1/2"	35	1 3/8"	7324-9655-20
	6135	20'	1 1/2"	35	1 3/8"	7324-9661-20
	6440	21'	1 1/2"	35	1 3/8"	7324-9664-20

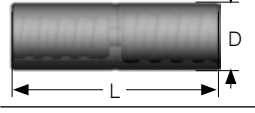
Flushing hole Ø 9.5 mm.


RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>MF Drifter rod, T38 – Hex 35 – R32</b>						
	3700	12'	1 1/2"	35	1 3/8"	7324-6537-20
	4305	14'	1 1/2"	35	1 3/8"	7324-6543-20

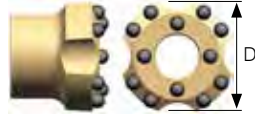

Flushing hole Ø 9.5 mm.


# FACE DRILLING AND BOLTING

## R32 (1 1/4") REAMING TOOLS

RODS	DIMENSIONS					PART NO.	
	L mm	ft	in	D mm	in		
<b>Coupling sleeve</b>							
	R38	170	-	6 3/4"	55	2 5/32"	7994-3655
	T38	191	-	7 1/2"	52	2"	7314-3652







PILOT ADAPTERS 6°, 12° TAPER	THREAD	DIMENSIONS					PART NO.
		L mm	ft	in	D mm	in	
<b>Reaming tools for cut holes / Pilot adapter, 6° taper</b>							
	R32	285	-	11 1/4"	26	1 1/32"	7822-3526
	<b>Reaming tools for cut holes / Pilot adapter, 12° taper</b>						
R32	278	-	11"	40	1 37/64"	7821-3440	

REAMING BIT 6°, 12° TAPER	BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size		mm	in	
<b>Reaming tools for cut holes / Reaming bit, 6° taper</b>						
	4×8	8×9	25°	64	2 1/2"	7722-4864-S48
	4×10	8×10	30°	76	3"	7722-4876-S48
	6×10	8×12	35°	89	3 1/2"	7722-4889-S48
<b>Reaming tools for cut holes / Reaming bit, 12° taper</b>						
	4×10	8×12	35°	89	3 1/2"	7721-4889-S48
	4×13	8×13	35°	102	4"	7721-4802-S48
	8×13	8×13	35°	127	5"	7721-4827-S48

REAMING BIT	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
<b>Reaming tools for cut holes / Reaming bit, R32</b>								
	3×6	1×6	3×10	12×13	35°	102	4"	7733-5602P-S48
	3×7	1×7	3×10	16×13	35°	127	5"	7733-5627P-S48




# FACE DRILLING AND BOLTING

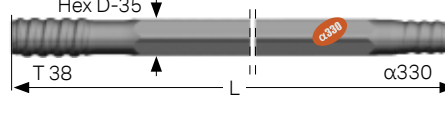
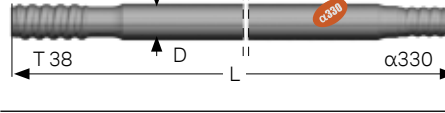
SANDVIK ALPHA.  $\alpha$ 330 BIT THREAD

BITS	FLUSHING HOLE, BUTTONS, MM				ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.		
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in				
<b>Speedy bit, type 60</b>											
	3×4,5	-	3×8	6×9	10°	35°	43	1 11/16"	●	7767-6043-F49	
	3×5	-	3×8	6×10	10°	35°	45	1 3/4"	●	7767-6045-F49	
	3×5	-	3×9	6×10	10°	35°	48	1 7/8"	●	7767-6048-F49	
	3×6	-	3×9	6×10	10°	40°	51	2"	●	7767-6051-F49	
<b>Top center bit, type 51</b>											
	2×5	1×5	2×9	7×10	10°	30°	43	1 11/16"	●	7767-5143A-S80	
	2×6	1×6	2×9	7×10	10°	30°	45	1 3/4"	●	7767-5145A-S70	
	2×6	1×6	2×9	7×10	10°	30°	45	1 3/4"	●	7767-5145A-S80	
	3×4,5	1×4,5	3×9	8×10	10°	30°	48	1 7/8"	●	7767-5148A-S80	
	3×6	1×6	3×9	8×10	10°	30°	51	2"	●	7767-5151A-S80	
<b>Button bit, type 52</b>											
	1×5	2×6	2×9	5×10		35°	43	1 11/16"	●	7767-5243A-S48	
	1×5	2×6	2×9	5×10		35°	43	1 11/16"	●	7767-5243A-S70	
	1×5	2×6	2×9	5×10		35°	43	1 11/16"	●	7767-5243A-S80	
	1×5	2×6	2×9	5×11		30°	45	1 3/4"	●	7767-5245A-S48	
	1×6	2×7,5	2×9	5×11		35°	48	1 7/8"	●	7767-5248A-S48	
<b>Button bit, type 53/16</b>											
	3×4,5	1×4,5	3×8	6×9		30°	43	1 11/16"	●	7767-5343A-R48	
	3×4,5	1×5	3×8	6×10		30°	45	1 3/4"	●	7767-5345A-R48	
	3×4,5	1×5	3×8	6×10		25°	45	1 3/4"	●	7767-5345A-S48	
	3×4,5	1×4,5	3×8	6×10		25°	45	1 3/4"	●	7767-5345A-S70	
	3×4,5	1×4,5	3×8	6×10		25°	45	1 3/4"	●	7767-5345A-S80	
	3×5	1×5	3×9	6×10		30°	48	1 7/8"	●	7767-5348A-R48	
	3×5	1×5	3×9	6×10		30°	48	1 7/8"	●	7767-5348A-S48	
		3×6	1×6	3×9	6×10		40°	51	2"	●	7767-1651A-R48
		3×6	1×6	3×9	6×10		35°	51	2"	●	7767-1651A-S48
		3×7	-	3×11	6×12		30°	64	2 1/2"	●	7767-1664-S48
<b>Button bit, type 54</b>											
	2×6	2×6	2×9	6×9		40°	43	1 11/16"	●	7767-5443B-R48	
	2×6	2×6	2×9	6×10		35°	45	1 3/4"	●	7767-5445B-R48	

# FACE DRILLING AND BOLTING

SANDVIK ALPHA.  $\alpha$ 330 BIT THREAD

BITS	FLUSHING HOLE, BUTTONS, MM				ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.	
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in			
<b>Button bit, type 18</b>										
	4×7	-	5×11	8×12		35°	76	3"	●	7767-1876-S48
<b>Button bit, Retrac</b>										
	3×6	1×6	3×9	6×10		35°	51	2"	●	7767-4651A-S48
<b>Cross bit</b>										
	1×4,5	4×4,5					45	1 3/4"	●	7767-1345A-42

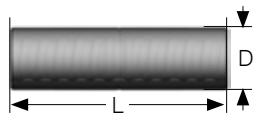
RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drifter rod, T38 – Hex 35 – <math>\alpha</math>330</b>						
	2475	8'	1 1/2"	35	1 3/8"	7324-6724-20
	3090	10'	1 5/8"	35	1 3/8"	7324-6731-20
	3700	12'	1 5/8"	35	1 3/8"	7324-6737-20
	4305	14'	1 1/2"	35	1 3/8"	7324-6743-20
	4915	16'	1 1/2"	35	1 3/8"	7324-6749-20
	5525	18'	1 1/2"	35	1 3/8"	7324-6755-20
Flushing hole $\varnothing$ 9.5 mm.						
<b>Drifter rod, T38 – Round 39 – <math>\alpha</math>330</b>						
	4915	16'	1 1/2"	39	1 1/2"	7324-7049-20
	5525	18'	1 1/2"	39	1 1/2"	7324-7055-20
	6135	20'	1 1/2"	39	1 1/2"	7324-7061-20
	6440	21'	1 1/2"	39	1 1/2"	7324-7064-20
Flushing hole $\varnothing$ 12.3 mm.						





# FACE DRILLING AND BOLTING


SANDVIK ALPHA.  $\alpha$ 330 BIT THREAD

COUPLING SLEEVES	DIMENSIONS					PART NO.
	L	D				
	mm	ft	in	mm	in	
Coupling sleeve, T38	191	-	7 1/2"	52	2"	7314-3652






REAMING BIT	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, $\alpha$ 330								
	3x6	1x6	3x10	12x13	35°	102	4"	7767-5602P-S48
	3x7	1x7	3x10	16x13	35°	127	5"	7767-5627P-S48

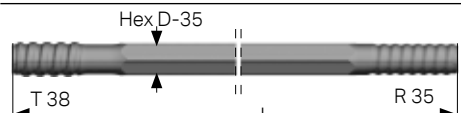
PILOT ADAPTER 12° TAPER	THREAD	DIMENSIONS					PART NO.
		L	D				
		mm	ft	in	mm	in	
Reaming tools for cut holes / Pilot adapter, 12° taper							
	$\alpha$ 330	278	-	11"	40	1 37/64"	7821-6740

REAMING BIT 12° TAPER	BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size		mm	in	
Reaming tools for cut holes / Reaming bit, 12° taper						
	4x10	8x12	35°	89	3 1/2"	7721-4889-S48
	4x13	8x13	35°	102	4"	7721-4802-S48
	8x13	8x13	35°	127	5"	7721-4827-S48

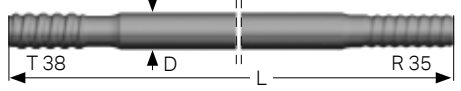
# FACE DRILLING AND BOLTING

R35 (1 3/8") BIT THREAD

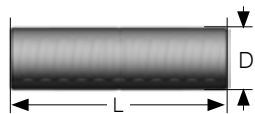
BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE		DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size	Front	Back	mm	in		
Top center bit, type 51										
	3x4,5	1x4,5	3x9	8x10	10°	30°	48	1 7/8"	●	7738-5148A-S80
	Button bit, type 53/16									
	3x5	1x5	3x9	6x10	30°	30°	48	1 7/8"	●	7738-5348A-R48
	3x5	1x5	3x9	6x10	30°	30°	48	1 7/8"	●	7738-5348A-S48
	3x6	1x6	3x9	6x10	40°	30°	51	2"	●	7738-1651A-R48
	3x6	1x6	3x9	6x10	35°	30°	51	2"	●	7738-1651A-S48
Cross bit										
	1x5	2x7,5	-	-	-	-	48	1 7/8"	●	7738-1448-42

RODS	DIMENSIONS					PART NO.
	L	D				
	mm	ft	in	mm	in	
Drifter rod, T38 - Hex 35 - R35						
	4305	14'	1 1/2"	35	1 3/8"	7324-8543-20
	4915	16'	1 1/2"	35	1 3/8"	7324-8549-20
	5525	18'	1 1/2"	35	1 3/8"	7324-8555-20

Flushing hole  $\varnothing$  9.5 mm.

Drifter rod, T38 - Round 39 - R35						
	4305	14'	1 1/2"	39	1 1/2"	7324-7243-20
	4915	16'	1 1/2"	39	1 1/2"	7324-7249-20
	5525	18'	1 1/2"	39	1 1/2"	7324-7255-20
	6135	20'	1 1/2"	39	1 1/2"	7324-7261-20

Flushing hole  $\varnothing$  14.5 mm.

Drifter rod, T38 - Round 39 - R35						
	191	-	7 1/2"	52	2"	7314-3652

# FACE DRILLING AND BOLTING

R35 (1 3/8") BIT THREAD

REAMING BIT	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	

Reaming tools for cut holes / Reaming bit, R35



	3×6	1×6	3×10	12×13	35°	102	4"	7738-5602P-S48
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PILOT ADAPTER 12° TAPER	THREAD	DIMENSIONS				PART NO.
		L mm	ft	in	D mm	

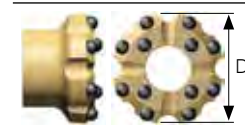
Reaming tools for cut holes / Pilot adapter, 12° taper



	R35	278	-	11"	40	1 37/64"	7821-5440
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REAMING BIT 12° TAPER	BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size		mm	in	

Reaming tools for cut holes / Reaming bit, 12° taper



	4×10	8×12	35°	89	3 1/2"	7721-4889-S48
	4×13	8×13	35°	102	4"	7721-4802-S48
	8×13	8×13	35°	127	5"	7721-4827-S48

# FACE DRILLING AND BOLTING

SANDVIK GT38

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

Button bit, Retrac



	3×7	1×7	3×10	6×11	35°	60	2 3/8"	●	7514-4660A-R48
	3×8	-	3×11	6×12	35°	64	2 1/2"	●	7514-4664-R48
	3×8	-	3×11	6×12	30°	64	2 1/2"	●	7514-4664-R70
	3×8	-	3×11	6×12	30°	64	2 1/2"	●	7514-4664-S48
	4×7	-	5×9	8×10	35°	64	2 1/2"	●	7514-4864-R48



	2×10	1×6	4×10	8×10	30°	64	2 1/2"	●	7514-7864A-S48
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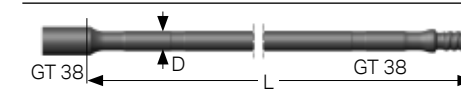


	3×8	-	4×9	6×10	40°	64	2 1/2"	●	7514-7964-R48
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RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	

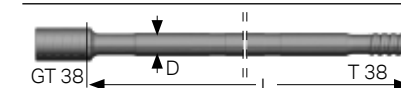
MF rod GT38 - Round 39 - GT38



	2435	8'	-	39	1 1/2"	7324-4724M-20
	3050	10'	-	39	1 1/2"	7324-4731M-20
	4875	16'	-	39	1 1/2"	7324-4749M-20

Flushing hole Ø 14.5 mm. Female end OD 56 mm.

MF drifter lead rod, GT38 - Round 46 - T38



	5525	18'	1 1/2"	46	1 3/4"	7324-0755M-20
	6135	20'	1 1/2"	46	1 3/4"	7324-0761M-20

Flushing hole Ø 17 mm.

# FACE DRILLING AND BOLTING

## SANDVIK DRIFTER BITS

### SANDVIK BITS FOR DRIFTING AND TUNNELING ARE AVAILABLE IN FIVE BASIC DESIGNS



#### TYPE 51

Featuring a new best-of-both-worlds carbide grade, this bit design is ideal for abrasive rock.



#### TYPE 52

Designed for maximum bit life in hard and abrasive rock.



#### TYPE 53

All-round design with a good tradeoff between speed and bit life length for hard to medium hard rock.



#### TYPE 54

All-round design with high penetration rate for hard to medium hard rock.



#### TYPE 55

Designed for maximum penetration rate in softer and less abrasive rock formations.



#### TYPE 60, SPEEDY BIT

The fastest bit in the industry is designed for high speed and great durability in hard to medium-hard rock.





# EXTEND LIFE, REDUCE COSTS

Drill rods and tubes represent a significant part of your tool cost in bench drilling. As our industry requires increasingly deeper holes, the cost for drill rods and tubes goes up. But imagine if they were designed to last 30 percent longer, so you could drill more meters every shift and reduce your cost per meter – increasing your productivity and profit.

Sandvik +Range of friction welded rods offer better wear and fatigue resistance due to their improved heat treatment and welding process. The rods benefit from a better thread fit and coupling/uncoupling properties, plus reduced incidence of fatigue thanks to better thread surface smoothness.

**WELDED, NOT FORGED**

Our +Range rods are created using friction welding, rather than forged. Forged rods are forced to have the same material and heat treatment in the whole MF-rod. However, the combination of specialized heat treatments in specific parts of the + Range rods, in addition to an improved mixture of alloys in the material, allow for optimal performance.

The Sandvik +Range rods are more resilient, with improved fatigue resistance to increase service time and reduce the need to stop and replace. In addition, a smoother thread surface and new thread release reduce breakage incidence.





**30% MORE LIFE**

Extensive in-mine tests proved a 30 percent longer service life compared with previous standard offerings, with some achieving significantly higher increases. The patented, top-of-the-line steel alloy is designed to withstand intense heat from friction, high impact from hydraulic hammers and adhesion, which means your new rods will last much longer before they're worn out from galling and pitting. Extending the service life of your rods and tubes by an average of 30 percent means more meters drilled using fewer rods – all with far higher productivity due to reduced stops and increased drilling time.

R32 (1 1/4")	42
T35 (1 3/8")	44
T38 (1 1/2")	45
T45 (1 3/4")	47
T51 (2")	50
SANDVIK GT60	53
SANDVIK LT90	53

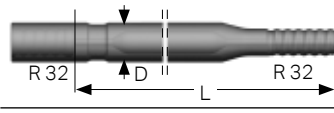
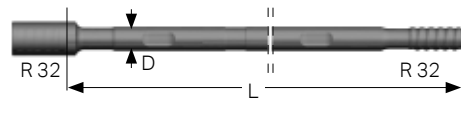
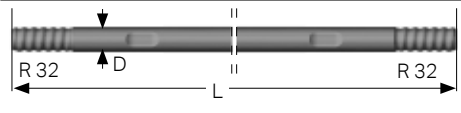
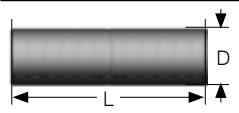
# BENCH DRILLING

R32 (1 1/4")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3x6	1x6	3x9	6x10	40°	51	2"	●	7733-1651A-R48
	3x6	1x6	3x9	6x10	35°	51	2"	●	7733-1651A-S48
	3x6	1x6	3x10	6x11	35°	57	2 1/4"	●	7733-1657A-S48
	3x7	-	3x11	6x12	30°	64	2 1/2"	●	7733-1664-S48
	4x7	-	5x10	8x11	35°	76	3"	●	7733-1876-S48
<b>Button bit, Retrac</b>									
	3x6	-	3x9	6x10	35°	51	2"	●	7733-4651-R48
	3x6	-	3x9	6x10	35°	51	2"	●	7733-4651-S48
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7733-4664-S48
	4x7	-	5x9	8x10	30°	64	3 1/2"	●	7733-4864-S48



# BENCH DRILLING

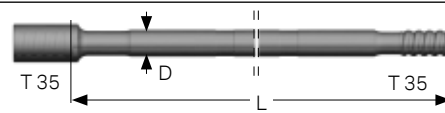
R32 (1 1/4")

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Guide tube</b>							
	51-64	1830	6'	-	46	1 3/4"	7953-4618-20
	51-64	3050	10'	-	46	1 3/4"	7953-4631-20
Female end Ø 46 mm.							
<b>MF-rod, R32 – round 32 – R32</b>							
	2435	8'	-	-	32	1 1/4"	7853-5124-20
	3050	10'	-	-	32	1 1/4"	7853-5131-20
	3660	12'	-	-	32	1 1/4"	7853-5137-20
	4265	14'	-	-	32	1 1/4"	7853-5143-20
Flushing hole Ø 9.2 mm. Wrench flat 25.4 mm. Female end Ø 45 mm.							
<b>Extension rod, R32 – round 32 – R32</b>							
	2440	8'	-	-	32	1 1/4"	7853-3324-30
	3050	10'	-	-	32	1 1/4"	7853-3331-30
	3660	12'	-	-	32	1 1/4"	7853-3337-30
	4265	13'	-	-	32	3 1/4"	7853-3343-30
Flushing hole Ø 11.7 mm. Wrench flat 25.4 mm.							
<b>Coupling sleeve R32</b>							
	150	-	5 29/32"	44	1 47/64"	7993-3644	

# BENCH DRILLING

T35 (1 3/8")










BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3x6	1x6	3x9	6x11	30°	54	2 1/8"	●	7517-1654A-S48
<b>Button bit, Retrac</b>									
	3x6	-	3x9	6x10	35°	54	2 1/8"	●	7517-4654-R48
	3x8	1x8	3x11	6x12	30°	64	2 1/2"	●	7517-4654A-S81
	3x7	1x7	3x10	6x11	35°	57	2 1/4"	●	7517-4657A-R48
	3x7	1x7	3x11	6x12	35°	64	2 1/2"	●	7517-4664A-R48

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>MF-rod, T35 – round 39 – T35</b>						
	3050	10'	-	39	1 1/2"	7327-4731-20
	3660	12'	-	39	1 1/2"	7327-4737-20

Female end Ø 48.2 mm. Flushing hole Ø 14.5 mm.

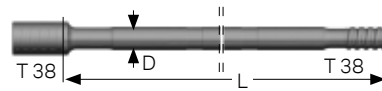
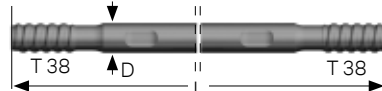
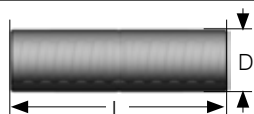
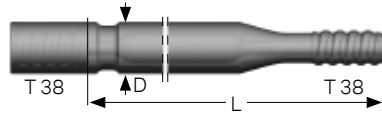
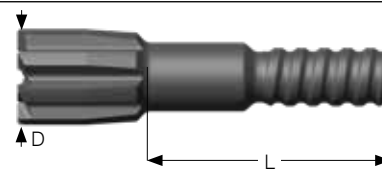
# BENCH DRILLING

T38 (1 1/2")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3x7	1x7	3x9	6x11	35°	54	2 1/8"	●	7514-1654A-R48
	3x7	1x7	3x10	6x11	35°	57	2 1/4"	●	7514-1657A-S48
	3x8	-	3x11	6x12	35°	64	2 1/2"	●	7514-1664-R48
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-1664-S48
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7514-1870-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-1876-R48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-1876-S48
	4x8	-	5x12	8x12	35°	89	3 1/2"	●	7514-1889-S48
	2x11	1x6	4x10	8x10	30°	64	2 1/2"	●	7514-2664A-S48
	3x8	1x8	3x10	6x11	40°	64	2 1/2"	○	7514-5564A-C60
	3x8	1x8	4x11	6x12	40°	76	3"	○	7514-5576A-C60
<b>Button bit, Retrac</b>									
	3x7	1x7	3x10	6x11	35°	60	2 3/8"	●	7514-4660A-R48
	3x8	-	3x11	6x12	35°	64	2 1/2"	●	7514-4664-R48
	3x8	1x8	3x11	6x12	30°	64	2 1/2"	●	7514-4664A-S81
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-R70
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-S48
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-S65
	3x8	-	3x12	6x13	35°	70	3 3/4"	●	7514-4670-R70
	±≈								
	4x7	-	5x9	8x10	35°	64	2 1/2"	●	7514-4864-R48
	4x7	1x7	5x9	8x10	35°	64	2 1/2"	●	7514-4864A-R70
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7514-4870-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-R48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-S65
	2x10	1x6	4x10	8x10	30°	64	2 1/2"	●	7514-7864A-S48
	2x11	1x6	6x10	8x11	35°	76	3"	●	7514-7876A-S48
	3x10	-	6x10	9x11	35°	89	3 1/2"	●	7514-7889-S48
	3x8	-	4x9	6x10	40°	64	2 1/2"	●	7514-7964-R48
	4x8	-	6x10	8x11	35°	76	3"	●	7514-7976-R48
	4x7	-	6x10	8x11	30°	76	3"	●	7514-7976-S48





# BENCH DRILLING

T38/T38+ (1 1/2")

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>MF-rod, T38 – round 39 – T38</b>							
	3050	10'	-		39	1 1/2"	7324-4731-85
	3660	12'	-		39	1 1/2"	7324-4737-85
	4265	14'	-		39	1 1/2"	7324-4743-85
Flushing hole Ø 14.5 mm. Female end OD 56 mm.							
<b>Extension rod, T38 – round 39 – T38</b>							
	3050	10'	-		39	1 1/2"	7324-4331C-30
	3660	12'	-		39	1 1/2"	7324-4337C-30
	4265	14'	-		39	1 1/2"	7324-4343C-30
Flushing hole Ø 14.5 mm. Wrench flat 32 mm.							
<b>Coupling sleeve T38</b>							
	191	-		7 1/2"	55	2 5/32"	7314-3355
<b>Guide tube</b>							
	64-76	3660	12'	-	56	2 13/64"	7955-5637-20
Female end OD 56 mm.							
GUIDE ADAPTER	DIMENSIONS			PART NO.			
	T38	L mm	D mm				
<b>Guide adapter, T38</b>							
	64	184,5	62				7334-4405-64
	76	184,5	74				7334-4405-76

# BENCH DRILLING






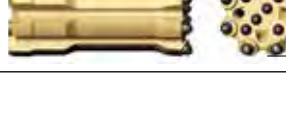
T45 (1 3/4")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No	Gauge Size	Front No	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7515-1870-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7515-1876-R48
	4x8	-	5x11	8x12	35°	76	3"	●	7515-1876-S48
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-1889-R48
	4x9	-	5x12	8x13	35°	89	3 1/2"	●	7515-1889-S48
	3x10	-	9x11	9x13	40°	102	4"	●	7515-1902-R48
	3x10	-	9x11	9x13	35°	102	4"	●	7515-1902-S48
	2x12	1x7.5	6x10	8x11	35°	76	3"	○	7515-2676A-S48
	3x10	1x7.5	6x10	9x11	35°	89	3 1/2"	○	7515-2689A-S48
	3x10	1x9	4x11	6x12	40°	76	3"	○	7515-5576A-C60
	3x10	1x10	2x11, 3x12	6x13	40°	89	3 1/2"	○	7515-5589A-C60



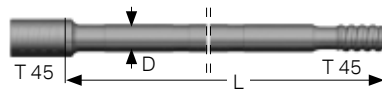
# BENCH DRILLING

T45 (1 3/4")

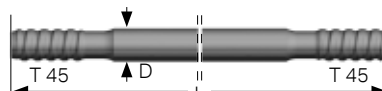
BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.	
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in			
<b>Button bit, Retrac</b> 	4x7	-	5x9	8x10	35°	66	2 19/32"	●	7515-4866-R48	
	4x8	-	5x10	8x11	35°	70	2 3/4"	●	7515-4870-R48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-R48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-R70	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S65	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S70	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S81	
	4x8	-	5x11	8x12	40°	83	3 1/4"	●	7515-4883-R48	
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-4889-R48	
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-4889-R70	
	4x9	-	5x12	8x13	35°	89	3 1/2"	●	7515-4889-S48	
		3x10	-	9x11	9x13	40°	102	4"	●	7515-4902-R48
		3x10	-	9x11	9x13	35°	102	4"	●	7515-4902-S48
		3x9	1x9	1x11, 3x11	6x12	40°	76	3"	○	7515-7576A-C60
		3x10	1x10	2x11, 3x12	6x13	40°	89	3 1/2"	○	7515-7589A-C60
		2x11	1x6	6x10	8x11	35°	76	3"	●	7515-7876A-S48
		3x10	1x8	6x10	9x11	35°	89	3 1/2"	●	7515-7889A-S48
	4x8	-	6x10	8x11	35°	76	3"	●	7515-7976-R48	
	4x7	-	6x10	8x11	30°	76	3"	●	7515-7976-S48	
	4x8	-	6x11	8x12	40°	89	3 1/2"	●	7515-7989-R48	
	4x8	-	6x11	8x12	35°	89	3 1/2"	●	7515-7989-S48	
	4x8	-	6x10	8x11	35°	76	3"	●	7515-8276-R48	

# BENCH DRILLING

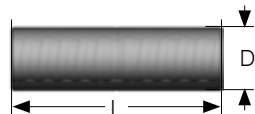
T45/T45+ (1 3/4")

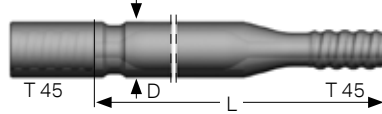
RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>MF-rod, T45 – round 46 – T45</b> 	3050	10'	-	46	1 1/2"	7325-7731-85	
	3660	12'	-	46	1 1/2"	7325-7737-70	
	3660	12'	-	46	1 1/2"	7325-7737-85	
	4265	14'	-	46	1 1/2"	7325-7743-70	
	4265	14'	-	46	1 1/2"	7325-7743-85	
	4975	16'	-	46	1 1/2"	7325-7749-85	
	6095	20'	-	46	1 1/2"	7325-7761-85	

Flushing hole Ø 17 mm. Female end Ø 63 mm.

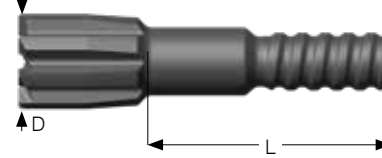
RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Extension rod, T45 – round 46 – T45</b> 	3050	10'	-	46	1 3/4"	7325-7331C-30	
	3660	12'	-	46	1 3/4"	7325-7337C-30	
	4265	14'	-	46	1 3/4"	7325-7343C-30	

Flushing hole Ø 17 mm.

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Coupling sleeve T45</b> 	210	-	8 1/8"	63	2 31/64"	7315-3663	





RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Guide tube</b> 	76-89	3660	12'	-	63	2 1/2"	7956-6337-70
	89-102	3660	12'	-	76	3"	7956-7637-70

Female end Ø 63 mm / 76 mm.

GUIDE ADAPTER	DIMENSIONS			PART NO.
	T45	L mm	D mm	
<b>Guide adapter, T45</b> 	76	199,5	74	7335-5405-76
	83	199,5	81	7335-5405-83
	89	199,5	86	7335-5405-89







# BENCH DRILLING

T51 (2")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
	4x10	-	5x12	8x13	40°	89	3 1/2"	●	7516-1889-R48
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-1889-S48
	3x13	-	9x11	9x13	40°	102	4"	●	7516-1902-R48
	3x13	-	9x11	9x13	35°	102	4"	●	7516-1902-S48
	3x13	-	10x12	9x14	35°	115	4 1/2"	●	7516-1915-S48
	3x14	-	10x13	9x14	35°	127	5"	●	7516-1927-S48
	3x12	1x8	6x10	9x11	35°	89	3 1/2"	●	7516-2689A-S48
	3x12	1x12	2x11, 3x12	6x13	40°	89	3 1/2"	○	7516-5589A-C60
	4x11	1x11	3x11, 4x12	8x13	40°	102	4"	○	7516-5502A-C60
	4x11	1x11	3x12, 4x12	8x13	40°	115	4 1/2"	○	7516-5515A-C60

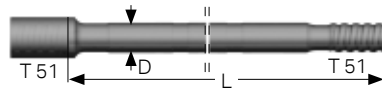
# BENCH DRILLING

T51 (2")

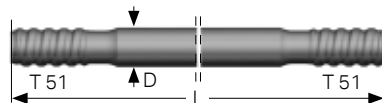
BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
	4x9	-	5x12	8x13	35°	83	3 1/4"	●	7516-4883-R48
	4x9	-	5x12	8x13	40°	83	3 1/4"	●	7516-4883-S48
	4x10	-	5x12	8x13	40°	89	3 1/2"	●	7516-4889-R48
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S48
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S70
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-R70
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S81
	3x13	-	9x11	9x13	40°	102	4"	●	7516-4902-R48
	3x13	-	9x11	9x13	35°	102	4"	●	7516-4902-S48
	3x13	-	10x12	9x14	40°	115	4 1/2"	●	7516-4915-R48
	3x13	-	10x12	9x14	35°	115	4 1/2"	●	7516-4915-S48
	3x14	-	10x13	9x14	35°	127	5"	●	7516-4927-S48
	3x12	1x12	2x11, 3x12	6x13	40°	89	3 1/2"	○	7516-7589A-C60
	3x11	1x11	3x11, 4x12	8x13	40°	102	4"	○	7516-7502A-C60
	3x12	1x8	6x10	9x11	35°	89	3 1/2"	●	7516-7889A-S48
	4x10	-	6x11	8x12	40°	89	3 1/2"	●	7516-7989-R48
	4x10	-	6x11	8x12	35°	89	3 1/2"	●	7516-7989-S48
	4x11	-	7x12	8x13	35°	102	4"	●	7516-7902-S48
	4x11	-	3x11, 4x12	8x13	40°	102	4"	●	7516-7902-R48
	4x10	-	3x12, 4x13	8x14	35°	115	4 1/2"	●	7516-7915-S48
	3x12	1x8	6x10	9x11	35°	89	3 1/2"	●	7516-7889A-S48
	5x9	-	7x11	10x12	35°	89	3 1/2"	●	7516-7089-S70
	5x10	-	8x12	10x13	35°	102	4"	●	7516-7002-S70

# BENCH DRILLING

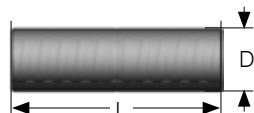
T51/T51+ (2")

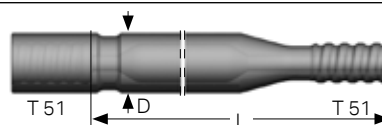
RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
MF-rod, T51 – round 52 – T51 	3660	12'	-	52	2"	7326-5537-70	
	3660	12'	-	52	2"	7326-5537-85	
	4265	14'	-	52	2"	7326-5543-70	
	4265	14'	-	52	2"	7326-5543-85	
	4875	16'	-	52	2"	7326-5549-85	
	5485	17'	-	52	2"	7326-5555-85	
6095	20'	-	52	2"	7326-5561-85		

Flushing hole Ø 21.5 mm. Female end Ø 71 mm.

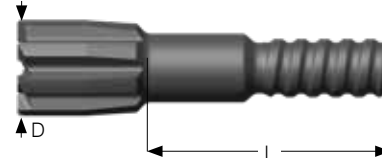
Extension rod, T51 – round 52 – T51 	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
Extension rod, T51 – round 52 – T51	3660	12'	-	52	2"	7326-5337C-30	
	4265	14'	-	52	2"	7326-5343C-30	
	6095	20'	-	52	2"	7326-5361C-30	

Flushing hole Ø 21.5 mm.

Coupling sleeve T51 	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
Coupling sleeve T51	225	-	8 7/8"	71	2 51/64"	7316-3671	
	225	-	8 7/8"	76	3"	7316-3676	







Guide tube 	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
Guide tube	89-102	3660	12'	-	76	3"	7957-7637-70
	102-127	3660	12'	-	87	3 1/2"	7957-8737-70

Female end Ø 76 / 87 mm.

GUIDE ADAPTER	DIMENSIONS			PART NO.
	T51	L mm	D mm	
Guide adapter, T51 	83	222,5	80	7336-6405-83
	89	222,5	86	7336-6405-89
	102	222,5	98	7336-6405-102
	115	222,5	111	7336-6405-115

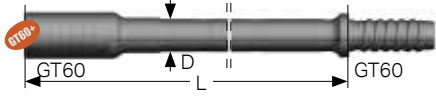
# BENCH DRILLING

SANDVIK GT60+

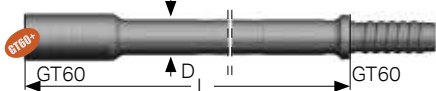
BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
Button bit, regular skirt 	4×11	-	6×12	8×14	35°	92	3 5/8"	●	7620-1892-S48
	4×12	-	6×12	8×14	35°	96	3 3/4"	●	7620-1896-S48
	3×13	-	9×11	9×13	35°	102	4"	●	7620-1902-S48
	3×14	-	10×12	9×14	40°	115	4 1/2"	●	7620-1915-R48
	3×14	-	10×12	9×14	35°	115	4 1/2"	●	7620-1915-S48
	3×14	-	10×13	9×16	35°	127	5"	●	7620-1927-S48
Button bit, Retrac 	3×14	-	10×14	9×16	35°	140	5 1/2"	●	7620-1940-S48
	3×15	-	12×14	9×16	35°	152	6"	●	7620-1952-S48
	3×13	-	9×11	9×13	35°	102	4"	●	7620-4902-S48
	3×14	-	10×12	9×14	40°	115	4 1/2"	●	7620-4915-R48
	3×14	-	10×12	9×14	35°	115	4 1/2"	●	7620-4915-S48
	3×14	-	10×13	9×14	40°	127	5"	●	7620-4927-R48
Button bit, Retrac 	3×14	-	10×13	9×16	35°	127	5"	●	7620-4927-S48
	3×14	-	10×13	9×16	35°	127	5"	●	7620-4927-S55
	3×14	-	10×13	9×16	35°	127	5"	●	7620-4927-S70
	3×14	-	10×13	9×16	35°	127	5"	●	7620-4927-S81
	3×14	-	10×14	9×16	35°	140	5 1/2"	●	7620-4940-S48
	3×15	-	12×14	9×16	35°	152	6"	●	7620-4952-S48
	4×11	-	3×11, 4×12	8×13	35°	102	4"	●	7620-7902-S48
	4×11	-	3×12, 4×13	8×14	35°	115	4 1/2"	●	7620-7915-S48
	4×11	-	3×13, 4×14	8×14	35°	127	5"	●	7620-7927-S48
	4×12	-	4×14, 4×16	8×16	35°	140	5 1/2"	●	7620-7940-S48
	4×12	-	5×14, 4×16	8×16	35°	152	6"	●	7620-7952-S48
	Button bit, Retrac 	2×14	-	9×12	9×12	40°	92	3 5/8"	○
2×14		-	9×12	9×12	35°	92	3 5/8"	●	7620-8792-S48
2×14		-	10×12	9×13	40°	96	3 3/4"	○	7620-8796-R48
2×14		-	10×12	9×13	35°	96	3 3/4"	●	7620-8796-S48
Button bit, Retrac 	2×14	-	10×12	9×13	40°	102	4"	○	7620-8702-R48
	3×13	-	6×13	9×16	35°	115	4 1/2"	●	7620-8115-S55
	3×13	-	6×13	9×16	35°	115	4 1/2"	●	7620-8115-S70
Button bit, Retrac 	3×13	-	6×13	9×16	35°	115	4 1/2"	●	7620-8115-S81
	5×10	-	8×12	10×13	35°	102	4"	●	7620-7002-S70

# BENCH DRILLING

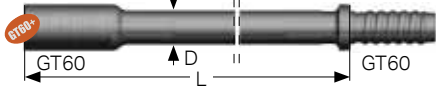
SANDVIK GT60+

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm in		
<b>MF-rod, GT60 – round 60 – GT60. For bits from 96 mm.</b>						
	3660	12'	–	60	2 3/8"	7610-1137-85
	4265	14'	–	60	2 3/8"	7610-1143-85
	4875	16'	–	60	2 3/8"	7610-1149-85
	5485	18'	–	60	2 3/8"	7610-1155-85
	6095	20'	–	60	2 3/8"	7610-1161-85

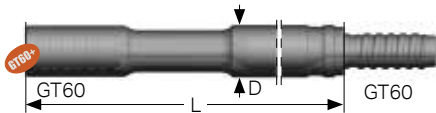
Female end Ø 85 mm. Flushing hole Ø 22.5 mm.

	4265	14'	–	64	2 1/2"	7610-1243-85
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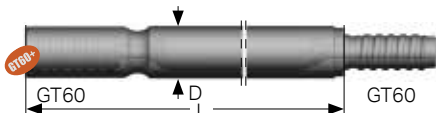
Female end Ø 85 mm. Flushing hole Ø 25 mm.

RODS	DIMENSIONS					PART NO.
MF-rod, GT60 – round 60 – GT60. For 92–115 mm bits.	L mm	ft	in	D mm in		
	3660	12'	–	60	2 3/8"	7610-1437-85
	4265	14'	–	60	2 3/8"	7610-1443-85

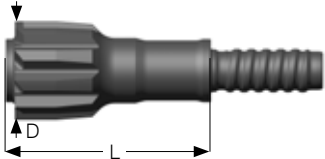
Female end Ø 82 mm. Flushing hole Ø 22.5 mm.

RODS	DIMENSIONS					PART NO.
Pilot tube – GT60	L mm	ft	in	D mm in		
	1600	5'	3'	87	3"	7640-8716-80
	4265	14'	–	87	3 1/2"	7640-8743-80
	5335	17'	6'	76	3"	7640-7653-80

Female end Ø 85 mm (82 mm on 76 mm tubes).


RODS	DIMENSIONS					PART NO.
Drill tube	L mm	ft	in	D mm in		
	4265	14'	–	87	3 1/2"	7660-8743-80
	6095	20'	–	87	3 1/2"	7660-8761-80

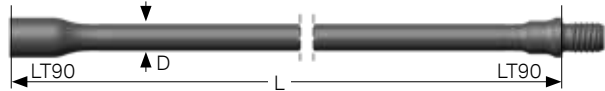
Always use with tube shank adapter 7600-6030-01 (HL1500, 1560).

GUIDE ADAPTER	DIMENSIONS			PART NO.
	GT60	L mm	D mm	
	96	244,5	93	7630-6005-96
	102	244,5	99	7630-6005-102
	115	244,5	111	7630-6005-115
	127	264,5	123	7630-6005-127
	140	284,5	136	7630-6005-140
	157	284,5	147	7630-6005-152

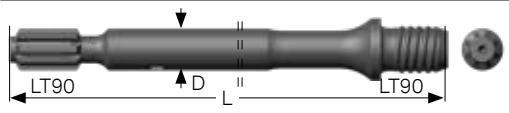
# BENCH DRILLING

SANDVIK LT90

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No	Gauge No	Front No	Gauge No		mm	in		
<b>LT90 Assortment, TH, XL</b>									
	3×15	–	10×14	9×16	35°	140	5 1/2"	●	7532-4940-S48
	3×20	–	12×14	9×16	35°	152	6"	●	7532-4952-S48
	3×20	–	12×16	9×16	35°	165	6 1/2"	●	7532-4965-S48
	3×20	–	12×16	9×18	35°	172	6 3/4"	●	7532-4972-R48
	3×20	–	12×16	9×18	35°	178	7"	●	7532-4978-R48

RODS	DIMENSIONS					PART NO.
	L mm	ft	tube	D mm in		
<b>MF-rod, LT90 – round 80</b>						
	4265	14'	–	80	–	7382-1543-85

Female end Ø 120 mm. Flushing hole Ø 50 mm.

SHANKS	APPLICATION	DIMENSIONS		PART NO.
		L mm	D mm	
<b>RD1840C</b>				
	BE	850	80	7340-6040-15
	BE/RP	850	80	7340-6040P-15*

\*RockPulse, Release in Sept 2021



# PRODUCTION POWER ACCURACY & RELIABILITY



Production drilling is at the very heart of your mine. It is therefore vital that you choose products that deliver the accuracy and quality you demand. Developments in underground mining are leading towards large-scale production with fewer sublevels, longer holes and more selective mining, and our offering will help prepare you for your future needs.

This trend naturally makes drilling accuracy more important than ever. Many factors can influence the straightness of the drill hole: rock and ore properties, the drilling method, the power and set-up of the drill rig, and the correct choice of drilling tools. In this context, a Sandvik MF rod string is a tolerant and forgiving tool system. In addition, it also delivers impressive hole straightness.

With our unique in-house manufacturing facilities for producing, machining and tailoring steel, we are able to modify the metallurgical properties of all crucial Sandvik MF rod components. This is why all of our rod strings are given specific material characteristics in order to maximize wear, fatigue and corrosion resistance. Ultimately, this





boosts your drilling performance by making operations simple and ensuring productivity at all times. In long-hole production drilling, the main advantage of our tube drilling system is the high rate of penetration: the straightness and quality of the drill-holes and the low total production cost.

Our hole diameters range between 76 and 115 mm. A correctly assembled tube string in a stable rig permits the accurate drilling of holes up to 60 meters. This benefits your bottom line. Hole deviation adversely affects profitability in the form of poor fragmentation, low ore recovery and ore dilution. Using our tools has been proven to reduce deviation by up to 40 percent.

R32 (1 1/4")	58
T35 (1 3/8")	60
T38 (1 1/2")	61
T45 (1 3/4")	63
T51 (2")	65
ST58 (2 1/4") TUBE DRILLING TOOLS	67
ST68 (2 3/4") TUBE DRILLING TOOLS	68

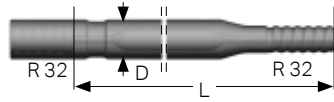

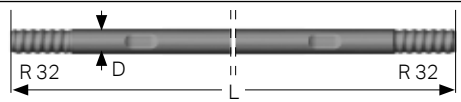
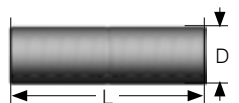
# LONG-HOLE DRILLING UNDERGROUND


R32 (1 1/4")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3×6	1×6	3×9	6×10	40°	51	2"	●	7733-1651A-R48
	3×6	1×6	3×9	6×10	35°	51	2"	●	7733-1651A-S48
	3×6	1×6	3×10	6×11	35°	57	2 1/4"	●	7733-1657A-S48
	3×7	-	3×11	6×12	30°	64	2 1/2"	●	7733-1664-S48
	4×7	-	5×11	8×12	35°	76	3"	●	7733-1876-S48
	<b>Button bit, Retrac</b>								
	3×6	-	3×9	6×10	35°	51	2"	●	7733-4651-R48
	3×6	-	3×9	6×10	35°	51	2"	●	7733-4651-S48
	3×8	-	3×11	6×12	30°	64	2 1/2"	●	7733-4664-S48
	4×7	-	5×9	8×10	30°	64	3 1/2"	●	7733-4864-S48

# LONG-HOLE DRILLING UNDERGROUND



R32 (1 1/4")


RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Guide tube</b>	51-64	1830	6'	-	46	1 3/4"	7953-4618-20
							
Female end Ø 46 mm.							
<b>MF-rod, R32 – round 32 – R32</b>		915	3'	-	32	1 1/4"	7853-5109-20
							
		1220	4'	-	32	1 1/4"	7853-5112-20
		1525	5'	-	32	1 1/4"	7853-5115-20
		1830	6'	-	32	1 1/4"	7853-5118-20
Flushing hole Ø 11.7 mm. Wrench flat 25.4 mm. Female end Ø 45 mm.							
<b>Extension rod, R32 – round 32 – R32</b>		1220	4'	-	32	1 1/4"	7853-3312-20
							
		1525	5'	-	32	1 1/4"	7853-3315-20
		1830	6'	-	32	1 1/4"	7853-3318-20
Flushing hole Ø 11.7 mm. Wrench flat 25.4 mm.							
<b>Coupling sleeve R32</b>		150	-	5 29/32"	44	1 47/64"	7993-3644
							

REAMING BIT	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in	
<b>Reaming bit, R32</b>								
	3×6	1×6	3×10	12×13	35°	102	4"	7733-5602P-S48
	3×7	1×7	3×10	16×13	35°	127	5"	7733-5627P-S48

# LONG-HOLE DRILLING UNDERGROUND








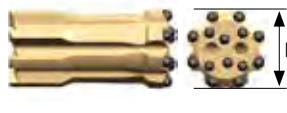

T35 (1 3/8")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3x6	1x6	3x9	6x11	30°	54	2 1/8"	●	7517-1654A-S48
<b>Button bit, Retrac</b>									
	3x6	-	3x9	6x10	35°	54	2 1/8"	●	7517-4654-R48
	3x8	1x8	3x11	6x12	30°	64	2 1/2"	●	7517-4654A-S81
	3x7	1x7	3x10	6x11	35°	57	2 1/4"	●	7517-4657A-R48
	3x7	1x7	3x11	6x12	35°	64	2 1/2"	●	7517-4664A-R48

RODS	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>MF-rod, T35 - Round 39 - T35</b>						
	1525	5'	-	39	1 1/2"	7327-4715-20
	1830	6'	-	39	1 1/2"	7327-4718-20

# LONG-HOLE DRILLING UNDERGROUND

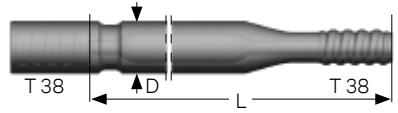
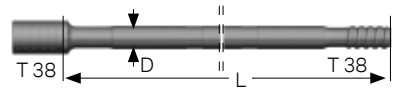
T38 (1 1/2")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, regular skirt</b>									
	3x7	1x7	3x9	6x11	35°	54	2 1/8"	●	7514-1654A-R48
	3x7	1x7	3x10	6x11	35°	57	2 1/4"	●	7514-1657A-S48
	3x8	-	3x11	6x12	35°	64	2 1/2"	●	7514-1664-R48
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-1664-S48
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7514-1870-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-1876-R48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-1876-S48
	4x8	-	5x12	8x12	35°	89	3 1/2"	●	7514-1889-S48
	2x11	1x6	4x10	8x10	30°	64	2 1/2"	●	7514-2664A-S48
	3x8	1x8	3x10	6x11	40°	64	2 1/2"	○	7514-5564A-C60
	3x8	1x8	4x11	6x12	40°	76	3"	○	7514-5576A-C60
<b>Button bit, Retrac</b>									
	3x7	1x7	3x10	6x11	35°	60	2 3/8"	●	7514-4660A-R48
	3x8	-	3x11	6x12	35°	64	2 1/2"	●	7514-4664-R48
	3x8	1x8	3x11	6x12	30°	64	2 1/2"	●	7514-4664A-S81
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-R70
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-S48
	3x8	-	3x11	6x12	30°	64	2 1/2"	●	7514-4664-S65
	3x8	-	3x12	6x13	35°	70	3 3/4"	●	7514-4670-R70
	4x7	-	5x9	8x10	35°	64	2 1/2"	●	7514-4864-R48
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7514-4870-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-R48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-S48
	4x8	-	5x11	8x12	35°	76	3"	●	7514-4876-S65
	2x10	1x6	4x10	8x10	30°	64	2 1/2"	●	7514-7864A-S48
	2x11	1x6	6x10	8x11	35°	76	3"	●	7514-7876A-S48
	3x10	-	6x10	9x11	35°	89	3 1/2"	●	7514-7889-S48
	3x8	-	4x9	6x10	40°	64	2 1/2"	●	7514-7964-R48
	4x8	-	6x10	8x11	35°	76	3"	●	7514-7976-R48
	4x7	-	6x10	8x11	30°	76	3"	●	7514-7976-S48






# LONG-HOLE DRILLING UNDERGROUND

T38 (1 1/2")

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Guide tube</b> 	64-76	1220	4'	-	56	2 13/64"	7955-5612-20
	64-76	1830	6'	-	56	2 13/64"	7955-5618-20
Female end OD 56 mm.							
<b>MF-rod, T38 – round 39 – T38</b> 	915	3'	-	39	1 1/2"	7324-4709C-20	
	1220	4'	-	39	1 1/2"	7324-4712C-20	
	1525	5'	-	39	1 1/2"	7324-4715C-20	
	1830	6'	-	39	1 1/2"	7324-4718C-20	










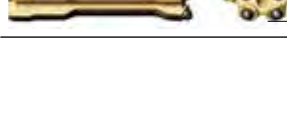
Flushing hole Ø 14.5 mm. Female end OD 56 mm.

PILOT ADAPTER	THREAD	DIMENSIONS				PART NO.	
		L mm	ft	in	D mm		in
<b>Pilot adapter for reaming of 64 mm (2") pilot holes</b>							
	T38	-	-	-	47	1 7/8"	7823-2647

REAMER	BUTTONS, MM		ANGLE	DIMENSIONS D		FLUSH- ING HOLE	PILOT DIAM.	BIT CLASSI- FICATION	PART NO.
	Front No Size	Gauge No Size		mm	in				
<b>Reaming bit</b> 	4x12	8x12	35°	102	4"	-	-	-	7723-4802-S48
	4x12	8x12	35°	127	5"	-	-	-	7723-4827-S48
	4x14	8x14	35°	127	5"	4x9	57	-	7514-5627-S48
	7x14	8x14	35°	152	6"	4x9	57	-	7514-5652-S48

# LONG-HOLE DRILLING UNDERGROUND


T45 (1 3/4")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSI- FICATION	PART NO.	
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in			
<b>Button bit, regular skirt</b>										
	4x8	-	5x10	8x11	30°	70	2 3/4"	●	7515-1870-S48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-1876-R48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-1876-S48	
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-1889-R48	
	4x9	-	5x12	8x13	35°	89	3 1/2"	●	7515-1889-S48	
	3x10	-	9x11	9x13	40°	102	4"	●	7515-1902-R48	
	3x10	-	9x11	9x13	35°	102	4"	●	7515-1902-S48	
	2x12	1x7.5	6x10	8x11	35°	76	3"	●	7515-2676A-S48	
	3x10	1x7.5	6x10	9x11	35°	89	3 1/2"	●	7515-2689A-S48	
	3x10	1x9	4x11	6x12	40°	76	3"	○	7515-5576A-C60	
	3x10	1x10	2x11, 3x12	6x13	40°	89	3 1/2"	○	7515-5589A-C60	
<b>Button bit, Retrac</b>										
	4x7	-	5x9	8x10	35°	66	2 19/32"	●	7515-4866-R48	
	4x8	-	5x10	8x11	35°	70	2 3/4"	●	7515-4870-R48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-R48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-R70	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S48	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S65	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S70	
	4x8	-	5x11	8x12	35°	76	3"	●	7515-4876-S81	
	4x8	-	5x11	8x12	40°	83	3 1/4"	●	7515-4883-R48	
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-4889-R48	
	4x9	-	5x12	8x13	40°	89	3 1/2"	●	7515-4889-R70	
	4x9	-	5x12	8x13	35°	89	3 1/2"	●	7515-4889-S48	
		3x10	-	9x11	9x13	40°	102	4"	●	7515-4902-R48
		3x10	-	9x11	9x13	35°	102	4"	●	7515-4902-S48
	3x9	1x9	1x11, 3x11	6x12	40°	76	3"	○	7515-7576A-C60	
	3x10	1x10	2x11, 3x12	6x13	40°	89	3 1/2"	○	7515-7589A-C60	
	2x11	1x6	6x10	8x11	35°	76	3"	●	7515-7876A-S48	
	3x10	1x8	6x10	9x11	35°	89	3 1/2"	●	7515-7889A-S48	
	4x8	-	6x10	8x11	35°	76	3"	●	7515-7976-R48	
	4x7	-	6x10	8x11	30°	76	3"	●	7515-7976-S48	
	4x8	-	6x11	8x12	40°	89	3 1/2"	●	7515-7989-R48	
	4x8	-	6x11	8x12	35°	89	3 1/2"	●	7515-7989-S48	
	4x8	-	6x10	8x11	35°	76	3"	●	7515-8276-R48	

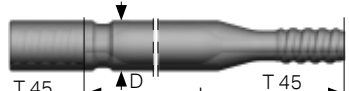


# LONG-HOLE DRILLING UNDERGROUND

T45 (1 3/4")


BITS	BUTTONS, MM		ANGLE	DIMENSIONS D		FLUSHING HOLE	PILOT DIAM.	BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size		mm	in				
 Reaming bit	4×14	8×14	35°	127	5"	4×9	64	-	7515-5627-S48
	8×14	8×14	35°	152	6"	4×9	64	-	7515-5652-S48

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	

Guide tube	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
 T 45	76	1830	6'	-	63	2 31/64"	7956-6318-21
	84	1830	6'	-	76	3"	7956-7618-20


Female end Ø 63 mm / 76 mm..


MF-rod, T45 – round 46 – T45

 T 45	DIMENSIONS						PART NO.
	L mm	ft	in	D mm	in		
	1220	4'	-	46	1 3/4"	7325-7712C-20	
1525	5'	-	46	1 3/4"	7325-7715C-20		
1830	6'	-	46	1 3/4"	7325-7718C-20		

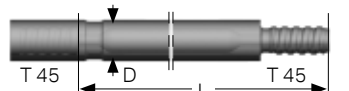
Flushing hole Ø 17 mm. Female end Ø 63 mm.

BITS - FOR TUBE DRILLING	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		

 XDC, button bit	4×7.5	-	6×10	8×11	35°	76	3"	●	7525-8476-R65
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 Button bit retrace	4×8	-	5×11	8×12	35°	76	3"	●	7525-4876-S48
	4×9	-	5×12	8×13	35°	89	3 1/2"	●	7525-4889-S65
	4×8	-	5×11	8×13	35°	76	3"	●	7525-9076-S70





TUBES	DIMENSIONS						PART NO.
	L mm	ft	in	D mm	in		

 T 45	1525	5'	-	65	2 1/2"	7985-6315-26
	1830	6'	-	65	2 1/2"	7985-6318-26

Flushing hole Ø 18 mm.

# LONG-HOLE DRILLING UNDERGROUND

T51 (2")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
 Button bit, regular skirt	4×10	-	5×12	8×13	40°	89	3 1/2"	●	7516-1889-R48
	4×10	-	5×12	8×13	35°	89	3 1/2"	●	7516-1889-S48
 D	3×13	-	9×11	9×13	40°	102	4"	●	7516-1902-R48
	3×13	-	9×11	9×13	35°	102	4"	●	7516-1902-S48
	3×13	-	10×12	9×14	35°	115	4 1/2"	●	7516-1915-S48
	3×14	-	10×13	9×14	35°	127	5"	●	7516-1927-S48
 D	3×12	1×8	6×10	9×11	35°	89	3 1/2"	●	7516-2689A-S48
	3×12	1×12	2×11, 3×12	6×13	40°	89	3 1/2"	○	7516-5589A-C60
 D	4×11	1×11	3×11, 4×12	8×13	40°	102	4"	○	7516-5502A-C60
	4×11	1×11	3×12, 4×12	8×13	40°	115	4 1/2"	○	7516-5515A-C60

# LONG-HOLE DRILLING UNDERGROUND

T51 (2")

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>Button bit, Retrac</b>									
	4x9	-	5x12	8x13	35°	83	3 1/4"	●	7516-4883-R48
	4x9	-	5x12	8x13	40°	83	3 1/4"	●	7516-4883-S48
	4x10	-	5x12	8x13	40°	89	3 1/2"	●	7516-4889-R48
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S48
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S65
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S70
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-R70
	4x10	-	5x12	8x13	35°	89	3 1/2"	●	7516-4889-S81
	3x13	-	9x11	9x13	40°	102	4"	●	7516-4902-R48
	3x13	-	9x11	9x13	35°	102	4"	●	7516-4902-S48
	3x13	-	9x11	9x13	35°	102	4"	●	7516-4902-S65
	3x13	-	10x12	9x14	40°	115	4 1/2"	●	7516-4915-R48
	3x13	-	10x12	9x14	35°	115	4 1/2"	●	7516-4915-S48
	3x14	-	10x13	9x14	35°	127	5"	●	7516-4927-S48
	3x12	1x12	2x11, 3x12	6x13	40°	89	3 1/2"	○	7516-7589A-C60
	3x11	1x11	3x11, 4x12	8x13	40°	102	4"	○	7516-7502A-C60
	3x12	1x8	6x10	9x11	35°	89	3 1/2"	●	7516-7889A-S48
	4x10	-	6x11	8x12	40°	89	3 1/2"	●	7516-7989-R48
	4x10	-	6x11	8x12	35°	89	3 1/2"	●	7516-7989-S48
	4x11	-	7x12	8x13	35°	102	4"	●	7516-7902-S48
	4x11	-	3x11, 4x12	8x13	40°	102	4"	●	7516-7902-R48
	4x10	-	3x12, 4x13	8x14	35°	115	4 1/2"	●	7516-7915-S48
	3x12	1x8	6x10	9x11	35°	89	3 1/2"	●	7516-7889A-S48
	5x9	-	7x11	10x12	35°	89	3 1/2"	●	7516-7089-S70
	5x10	-	8x12	10x13	35°	102	4"	●	7516-7002-S70
	<b>Reaming bit</b>								
	4x9	-	8x14	8x14	35°	152	6"	-	7516-5652-S48

Pilot diameter: 64 mm.

# LONG-HOLE DRILLING UNDERGROUND






T51 (2")

RODS	DIMENSIONS						PART NO.
	Bit dia. mm	L mm	ft	in	D mm	in	
<b>Guide tube</b>	89-102	1830	6'	-	76	3"	7957-7618-20
Female end Ø 76 mm.							
<b>MF-rod, T51 – round 52 – T51</b>		1220	4'	-	52	2"	7326-5512C-20
		1525	5'	-	52	2"	7326-5515C-20
		1830	6'	-	52	2"	7326-5518C-20

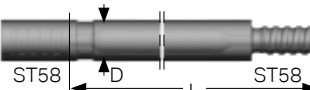
Flushing hole Ø 21 mm. Female end Ø 71 mm.

# LONG-HOLE DRILLING UNDERGROUND

## ST58 (2 1/4") TUBE DRILLING TOOLS

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>XDC, button bit</b> 	4x10	-	6x12	8x12	35°	89	3 1/2"	●	7528-8489-R65
	4x10	-	6x12	8x12	35°	89	3 1/2"	●	7528-8489-R70
<b>XDC, button bit, guide Retrac</b> 	4x10	-	4x12	10x12	35°	89	3 1/2"	●	7528-7389-R65
	4x10	-	6x12	10x12	35°	89	3 1/2"	●	7528-7389-R70
	4x10	-	8x12	10x12	35°	102	4"	●	7528-7302-R70
	4x10	-	8x14	10x14	35°	115	4 1/2"	●	7528-7315-R70
<b>Button bit, Heavy Duty</b> 	2x14	-	6x12	8x14	35°	89	3 1/2"	●	7528-6989-S65
<b>Retrac bit, Heavy Duty</b> 	3x12	-	8x11	9x13	35°	89	3 1/2"	●	7528-8589-S70
	3x12	-	8x11	9x13	35°	89	3 1/2"	●	7528-8589-S81
<b>Reaming bit</b> 	4x9	-	4x14	8x14	35°	127	5"	-	7528-5627-S81
	4x9	2x9	8x14	8x14	35°	152	6"	-	7528-5652-S81
	3x16	-	9x16	9x16	35°	204	8"	-	7528-5604-S81







Pilot diameter 76 mm 7528-5652-S81.  
Pilot diameter 137 mm 7528-5604-S81.

TUBES	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drill tube, ST58 – Round 76 – ST58</b> 	1525	5'	-	76	3"	7378-7615-26
	1830	6'	-	76	3"	7378-7618-26

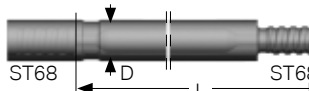
Flushing hole Ø 26 mm.

# LONG-HOLE DRILLING UNDERGROUND

## ST68 (2 3/4") TUBE DRILLING TOOLS

BITS	FLUSHING HOLE, MM		BUTTONS, MM		ANGLE	DIMENSIONS D		BIT CLASSIFICATION	PART NO.
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		mm	in		
<b>XDC, button bit</b> 	4x10	-	8x12	10x12	35°	102	4"	●	7529-8402-R65
	4x10	-	8x12	10x12	35°	102	4"	●	7529-8402-R70
	4x10	-	8x14	10x14	35°	115	4 1/2"	●	7529-8415-R65
<b>XDC, button bit, guide Retrac</b> 	4x10	-	8x12	10x12	35°	102	4"	●	7529-7302-R65
	4x10	-	8x12	10x12	35°	102	4"	●	7529-7302-R70
	4x10	-	8x14	10x14	35°	115	4 1/2"	●	7529-7315-R65
	4x10	-	8x12	10x12	35°	102	4"	●	7529-7302-R48
<b>Button bit, Heavy Duty</b> 	2x14	-	6x12	8x14	35°	89	3 1/2"	●	7529-6902-S65
<b>Collaring bit</b> 	3x18	-	8x16	9x16	35°	152	6"	●	7529-6652-S48
<b>Retrac bit, Heavy Duty</b> 	2x15	-	5x14	8x16	35°	102	4"	●	7529-8902-S65
	2x15	-	5x14	8x16	35°	102	4"	●	7529-8902-S81
<b>Reaming bit</b> 	4x9	-	4x16	8x16	35°	152	6"	-	7529-5652-S81
	3x16	-	9x16	9x16	35°	204	8"	-	7529-5604-S81
	3x16	-	9x16	9x18	35°	254	10"	-	7529-5654-S65

Pilot diameter 95 mm 7529-5652-S81.  
Pilot diameter 137 mm 7529-5604-S81.  
Pilot diameter 188 mm 7529-5654-S65.

TUBES	DIMENSIONS					PART NO.
	L mm	ft	in	D mm	in	
<b>Drill tube, ST68 – Round 87 – ST68</b> 	1525	5'	-	87	3 1/2"	7379-8715-26
	1830	6'	-	87	3 1/2"	7379-8718-26

Flushing hole Ø 30 mm.

# RELIABLE PERFORMANCE THAT CUTS COSTS

While every component in the drill string is crucial, the shank adapter must be engineered to transmit impact energy from the rock-drill piston – along with rotation torque – into the drill string with no losses. It must withstand and transmit up to 6,300 blows per minute from the piston continually, and do so with great endurance and dependability.

With this in mind, we manufacture premium quality shank adapters for most brands of rock drills. We have yet more specially developed products that are not featured in this catalog. Please visit our website or contact us directly to find out more, and to order the shank adapter that will keep you drilling.

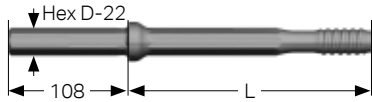

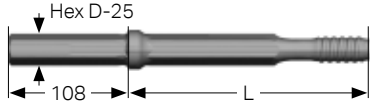

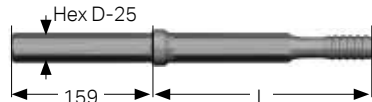
HEXAGONAL SHANK ADAPTERS	72
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# SHANK RODS

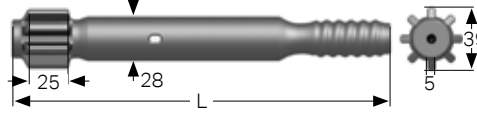

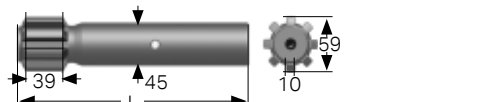
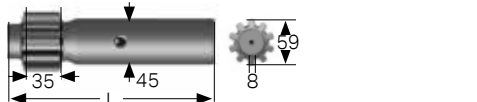
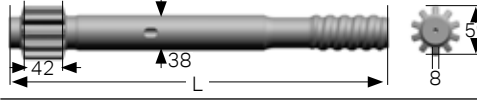
## HEXAGONAL SHANK RODS


	FLUSHING TUBE (MM)	THREAD	LENGTH (MM)	PART NO.
<b>For hexagonal bushing 22 × 108 mm</b>				
	4.5-5.0	R22	255	7801-6103-11
	4.5-5.0	R23	255	7807-6103-11 
	4.5-5.0	R25	255	7802-6103-11
<b>For hexagonal bushing 25 × 108 mm</b>				
	4.5-5.0	R23	255	7807-7103-30 
<b>For hexagonal bushing 25 × 159 mm</b>				
	8	R25	255	7802-7103-21

 No packing. Not suitable for hydraulic machines with water flushing.

# SHANK ADAPTERS

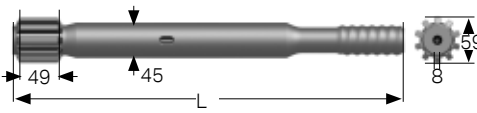
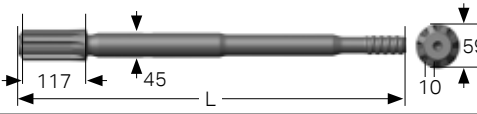
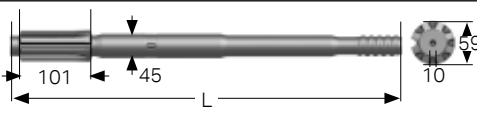
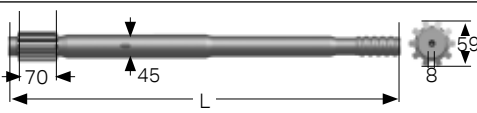
## SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
<b>HLX 1, RD106</b>				
	TU, BO	R23	235	7807-7570-01
	TU, BO	R25	255	7802-7567-01
	TU, BO	R28	255	7809-7567-01
<b>HL300</b>				
	BE	R32	400	7803-7549-01
<b>HL300S</b>				
	BO, TU	R32F	245	7803-7547-01
<b>RD308, RD314, RD414</b>				
	UG	R32F	205	7803-7663-01
	UG	R32	410	7803-7672-01
	UG	T38	410	7304-7672-01

 S = For underground drilling, T = Drill with stabilizer

# SHANK ADAPTERS

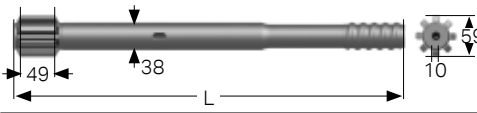
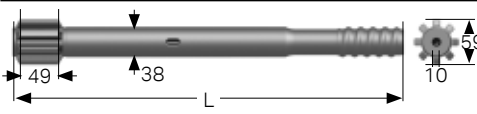
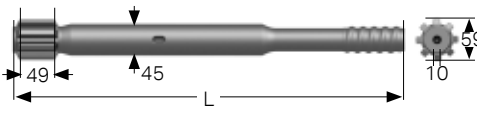
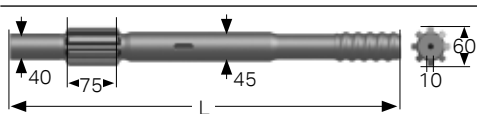
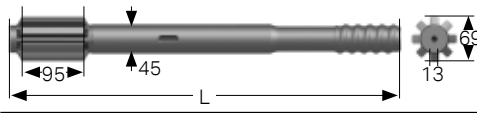
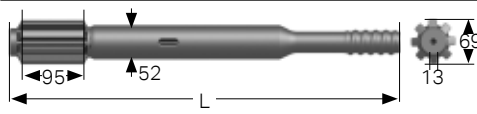
SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
	TU	R32	500	7803-7585-01
	TU	T38	500	7304-7585-01
	TU	R38	500	7804-7585-01
	BE	R32	575	7803-7586-01
	BE	T35	575	7307-7586-01
	BE	T38	575	7304-7586-01
	BE	T45	575	7305-7586-01
	TU	T38	575	7304-7664-01
	TU	T45	575	7305-7664-01
	TU	T35	745	7307-7673-01
	TU	T38	745	7304-7673-01
	TU	T38	525	7304-7669-01
	TU	T45	525	7305-7669-01
	TU	T38	600	7304-7666-01
	TU	T38	745	7304-7685-01

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer

# SHANK ADAPTERS

SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
	BE	R32	550	7803-7535-02
	BE	T38	550	7304-7535-02
	PD, TU	R32	460	7803-7531-01
	TU	R38	460	7804-7531-01
	PD, TU	T38	460	7304-7531-01
	TU	R38	500	7804-7536-01
	PD, TU	T38	500	7304-7536-01
	TU	T35	460	7307-7566-01
	TU	R38	500	7804-7554-01
	TU	T38	500	7304-7554-01
	PD, TU	T35	550	7307-7557-01
	BE	R32	550	7803-7557-01
	BE	T38	550	7304-7557-01
	Tubes, BE	T45	600	7305-7532-01
	BE	T38	600	7304-7576-01
	BE	T45	600	7305-7576-01
	BE	R32	600	7803-7577-02
	BE, PD	T38	600	7304-7577-02
	BE	T45	600	7305-7577-02
	BE	T51	600	7306-7577-03

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer

# SHANK ADAPTERS

SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
<b>RD900, RD900 PE, RD900 PE/RP</b>				
	BE	T38	600	7304-7711-15
	BE	T45	600	7305-7711-15
	BE/RP	T45	600	7305-7711P-15
	BE	T51	600	7306-7711-15
	BE/RP	T51	600	7306-7711P-15
<b>RD900, RD900 PE, RD900 PE/RP</b>				
	BE	T45	820	7305-7721-15
	BE/RP	T45	820	7305-7721P-15
	BE	T51	820	7306-7721-15
	BE/RP	T51	820	7306-7721P-15
<b>RD900, RD900 RP</b>				
	BE	T51	670	7306-7715-15
	BE/RP	T51	670	7306-7715P-15
<b>RD900 PE</b>				
	BE/PE	T51	670	7306-7716-15
	BE/PE	T51	670	7306-7716P-15
	BE/PE	ST58	670	7358-7716-15
	BE/PE	GT60	670	7600-7716-15
	BE/PE	GT60	670	7600-7716P-15
<b>RD900 PE TUBE</b>				
	BE	T45	670	7305-7717-15
<b>RD900 TUBE</b>				
	BE	T45	670	7305-7714-15
<b>RD900</b>				
	PD	ST58	670	7328-7718-15
<b>RD900, RD900 RP</b>				
	BE	GT60	820	7600-7728-15
	BE	GT60	820	7600-7728P-15

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer, RP = RockPulse

# SHANK ADAPTERS


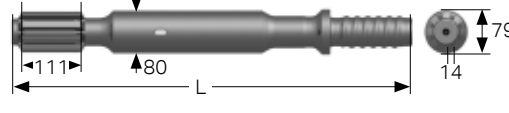



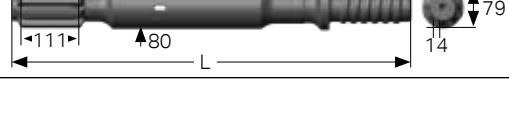
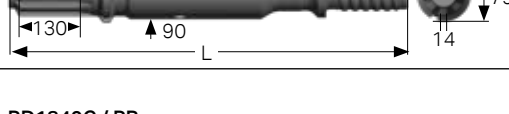
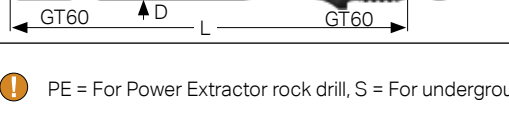
SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
<b>HL1000, HL1000S, HL1010, HL1010S</b>				
	PD	T45	590	7305-6008-01
	BE	T51	670	7306-6010-02
<b>HL1000, HL1010</b>				
	BE	T51	670	7306-6014-02
	BE	GT60	670	7600-6014-02
<b>HL1000 PE, HL1010 PE, HL1060T, HL1060T PE, HL1560T, HL1560T PE</b>				
	BE	T51	760	7306-6025-02
	BE	ST58	760	7358-6025-02
	BE	GT60	760	7600-6025-02
	BE	GT60	760	7600-6025-85
<b>HL1500T</b>				
	BE	GT60	760	7600-6022-03
<b>HF1560, HF1560 PE</b>				
	BE	GT60	760	7600-6025-05
	BE	GT60	760	7600-6025-85

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer, RP = RockPulse

# SHANK ADAPTERS

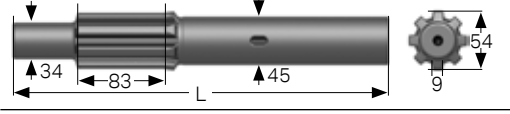
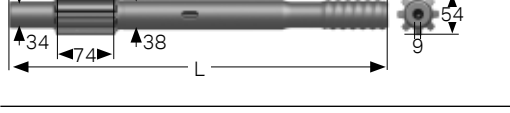
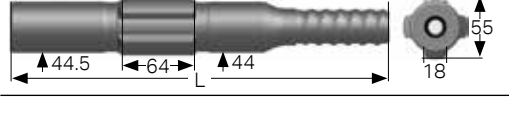
SANDVIK

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
<b>HL1560ST</b> 	PD	ST58	635	7328-6020-01
	PD	ST68	635	7329-6020-05
<b>HL1060T, HL1500T, HL1560T, HF1560T</b> 	BE	GT60	760	7600-6030-05
	BR	GT60	760	7600-6030-85
<b>HL1500ST PE, HL1560ST PE</b> 	PD	ST58	635	7328-6035-01
	PD	ST68	635	7329-6035-05
<b>HL1010 PE, HL1010S PE, HL1060T PE, HL1500T PE, HL1560T PE</b> 	BE	GT60	760	7600-6032-05
	BE	GT60	760	7600-6032-85
<b>RD1635CF</b> 	BE	GT60	760	7600-6025-12
	BE	GT60	760	7600-6025-85
<b>RD1635CF</b> 	BE	GT60	760	7600-6030-15
<b>RD1635CF PE</b> 	BE	GT60	760	7600-6032-15
	BE	GT60	760	7600-6032-85
<b>RD1840C / RP</b> 	BE	LT90	850	7340-6040-15
	BE/RP	LT90	850	7340-6040P-15

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer

# SHANK ADAPTERS

HYDRASTAR / TOYO

	APPLICATION	THREAD	LENGTH (MM)	PART NO.
<b>Hydrastar 200</b> 	TU, BO	R32F	351	7803-4703-01
<b>Hydrastar 200, Hydrastar 300, Hydrastar 350, Hydrastar X2</b> 	TU	R32	485	7803-3590-03
	TU	R38	485	7804-3590-03
	TU	T38	485	7304-3590-03
<b>Toyo PR 220</b> 	BE	R32	330	7803-7500-61
	BE	T38	446	7304-7500-60

! PE = For Power Extractor rock drill, S = For underground drilling, T = Drill with stabilizer



# SHANK ADAPTERS

EPIROC

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<b>Epiroc COP 1038 HD/1238</b>					
	TU	-	R32	485	7803-3590-03
	TU	-	R38	485	7804-3590-03
	TU	-	T38	485	7304-3590-03
<b>Epiroc COP 1132</b>					
	PD	-	R32	410	7803-3581-02
	PD	-	R32	500	7803-3583-02
<b>Epiroc COP 1432, COP 1532, COP 1440, COP 1838 HD/ME</b>					
	TU	-	R38	435	7804-3652-01
	TU	-	T38	435	7304-3652-01
	TU	-	R32	435	7803-3652-01
	BO	-	R32	525	7803-3656-02
	BO	-	T38	525	7304-3656-01
<b>Epiroc COP 1550, COP 1838 ME/ HE</b>					
	BE, PD	-	T38	525	7304-3655-01
	BE, PD	-	T45	525	7305-3655-01
<b>Epiroc COP 1550 EX, COP 1838 EX</b>					
	BE	-	T45	730	7305-3826-02
<b>Epiroc COP 1838MUX/HUX</b>					
	BE, PD	-	T38	730	7304-3663-01
	BE, PD	-	T45	730	7305-3663-01

# SHANK ADAPTERS

EPIROC

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<b>Epiroc COP 1840 HE, COP 1850</b>					
	BE, PD	-	T38	565	7304-3690-02
	BE, PD	-	T45	565	7305-3690-02
	BE, PD	-	T51	565	7306-3690-03
<b>Epiroc COP 2160, COP 2560</b>					
	BE	-	T51	770	7306-3689-01
<b>Epiroc COP 2160EX/2560EX</b>					
	BE	-	T51	770	7306-3699-01
	BE	-	GT60	770	7600-3699-01

S = For underground drilling

# SHANK ADAPTERS

BOART

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<p>Boart HD 125, HD 150, HD 160</p>	TU	-	T38	495	7304-4993-01

# SHANK ADAPTERS

FURUKAWA

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<p>Furukawa M 120 and PD 200</p>	BE	14	T38	380	7304-7543-60
	BE	14	T38	446	7304-7500-60
<p>Furukawa HD 709</p>	BE	-	T38	620	7304-7426-01
<p>Furukawa HD 712</p>	BE	-	T45	788	7305-7417-01
<p>Furukawa HD 715 RP</p>	BE	-	T35	885	7306-7424-01

HANDHELD AND SMALL-HOLE DRILLING

FACE DRILLING AND BOLTING

BENCH DRILLING

LONG-HOLE DRILLING UNDERGROUND

SHANK ADAPTERS

AUXILIARY TOOLS

INFORMATION AND BIT CLASSIFICATION GUIDE

GRINDING EQUIPMENT

# SHANK ADAPTERS

GARDNER-DENVER, INGERSOLL-RAND AND KLEMM

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<b>Gardner-Denver PR 123</b>					
	TU, BE	14	T38	446	7304-7500-60
	TU, BE	14	T38	380	7304-7543-60
<b>Ingersoll-Rand URD 475, URD 550, VL120, EVL 130, VL140 and F16</b>					
	BE	14	T38	380	7304-7543-60
	BE	14	T38	446	7304-7500-60
<b>Ingersoll-Rand YH 65, YH 80</b>					
	BE	19	T38	495	7304-7525-19
	BE	19	T45	500	7305-7525-19
<b>Ingersoll-Rand YH 80 A</b>					
	BE	19	T45	495	7305-7559-19
<b>Ingersoll-Rand YH 65 RP, YH 70 RP, YH 75 RP, YH 80 RP</b>					
	BE	19	T45	700	7305-7546-19
<b>Klemm 4053</b>					
	BE	-	R55	500	7805-6015 <sup>1)</sup> !
	BE	-	R55	500	7805-7015 <sup>2)</sup> !

- ! 1) LH-Rotation
- ! 2) RH-Rotation

# SHANK ADAPTERS

MONTABERT

	APPLICATION	FLUSHING HOLE (MM)	THREAD	LENGTH (MM)	PART NO.
<b>Montabert HC 40</b>					
	BE	-	R32	447	7803-4725-01
	BE	-	R38	447	7804-4725-01
	BE	-	T38	447	7304-4725-01
<b>Montabert HC 40 (female)</b>					
	TU, BO	-	R32	270	7803-4726-01
<b>Montabert HC 80, HC 90, HC 105</b>					
	TU	-	T38	440	7304-4720-01
<b>Montabert HC 80R, HC 105R, HC 107R, HC 108R, HC 109R</b>					
	BE	-	T38	670	7304-7544-01
	BE	-	T45	670	7305-7544-01
<b>Montabert HC 120R, HC 150R, HC 155R, HC 158R</b>					
	BE	-	T51	670	7306-7528-02
<b>Montabert HC 200A</b>					
	BE	-	GT60	840	7600-7530-02

- ! S = For underground drilling

# TOP-GRADE TOOLS TO KEEP YOU MOVING

Auxiliary tools are an important part of the drilling application. This is why we provide top-grade tools in order to keep your process moving, and to avoid unnecessary and costly downtime. Our accessories for top hammer drilling tools are simple, practical additions. Their purpose is to enable the tool system to

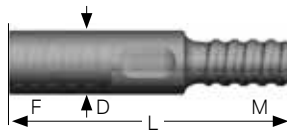
be tailored to meet your different demands, in different applications and working environments. Furthermore, our auxiliary tools optimize your system, providing higher productivity and reliability with lower operating costs and minimal environmental impact.

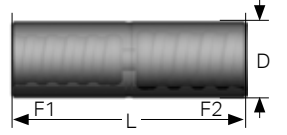
BIT ADAPTERS	88
REDUCTION COUPLINGS	88
WRENCHES / KNOCK-OFF TOOLS	88
FISHING TOOLS	89
THREAD GREASE	89




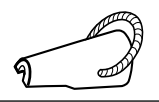



# AUXILIARY TOOLS

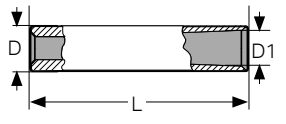
BIT ADAPTERS	WRENCH FLAT	THREADS		DIMENSIONS				PART NO.
		F (Female)	M (Male)	L (mm)	L (in)	D (mm)	D (in)	
	38	R25	R32	173	6 13/16"	45	1 3/4"	7832-3301
	38	R28	R32	230	9 1/16"	40	1 37/64"	7839-3301
	38	R32	R38	225	8 55/64"	45	1 49/64"	7833-4301
	38	R32	T38	225	8 55/64"	45	1 49/64"	7833-4401
	38	T35	T38	250	9 27/32"	48	1 7/8"	7337-4401
	44.5	R38	T38	245	9 21/32"	55	2 5/32"	7834-4401
	44.5	T38	R32	270	10 41/64"	57	2 1/4"	7334-3301
	44.5	T38	T45	285	11 7/32"	57	2 1/4"	7334-5401
	38	T45	T38	265	10 7/16"	63	2 31/64"	7335-4401
	44.5	T45	T51	285	11 7/32"	63	2 31/64"	7335-6401
	44.5	T51	T45	285	11 7/32"	71	2 51/64"	7336-5401

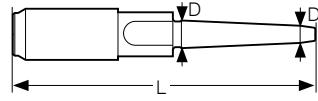
REDUCTION COUPLINGS	THREADS		DIMENSIONS				PART NO.
	F1	F2	L (mm)	L (in)	D (mm)	D (in)	
	R32	R28	165	6 1/2"	44	1 47/64"	7993-0444
	R32	R25	160	6 1/4"	43	1 11/16"	7993-2443
	R38	R32	170	6 3/4"	55	2 5/32"	7994-3455
	T38	R32	195	7 11/16"	55	2 5/32"	7314-3555
	T38	R38	183	7 9/32"	55	2 5/32"	7314-4455
	T38	T45	180		58	2 9/32"	7314-6258
	T38	T45	180	8 43/64"	61	2 13/32"	7314-6261
	T51	T45	218	8 19/32"	71	2 51/64"	7316-6271

SPLIT SET DRIVERS	CONNECTION	SPLIT-SET SIZE	D (mm)	D (mm)	L (mm)	PART NO.
	H22x108	33 mm	21	27,5	338	7979-2221
	H22x108	39 mm	26	32,5	318	7979-2226
	T38	39 mm	26	32,5	174	7979-2626
	T38	46 mm	30	36,5	174	7979-2630
	R38	39 mm	26	32,5	174	7979-4526
	R38	46 mm	30	36,5	174	7979-4530


KNOCK-OFF TOOLS	PART NO.
For Hex 22 and Hex 25 	Pilot rods, type 7922-XXXX-XX 795-1469
For tapered bits 	Hex 22 795-1467

# AUXILIARY TOOLS

FISHING TOOLS	DIMENSIONS			PART NO.		
	D	D1	L			
<b>Fishing sleeve</b> 	R32 round/Hex. rods/coupling sleeves	49	47.2	300	R32	795-1604A
	R38 round rods/coupling sleeves	60	-	353	R38	795-1605
	T35 round rods/coupling sleeves	52	50	284	T35	795-1613
	T38 round rods/coupling sleeves/MF-rods	61	58.2	353	T38	795-1607A
	T45 round rods/coupling sleeves	71	67	275	T45	795-1614
	T51 round rods/coupling sleeves/MF-rods	82	78.2	440	T51	795-1609A
	GT60 rods	92	87.5	450	GT60	795-2601
	ST68	102	91	385	ST68	795-1696

Fishing pike	Rod/Tube	DIMENSIONS			PART NO.	
		D	D1	L		
	R32 rods <sup>1)</sup>	19.4	4	280	R32	795-1606
	T38 rods <sup>2)</sup>	19.4	8	237	T38	795-1676
	T45 rods <sup>2)</sup>	25	8	275	T45	795-1681
	T51 rods <sup>2)</sup>	27	15	285	T51	795-1690
	ST58 tubes	39	21	318	ST58	795-2606
	GT60 rods	50	19.6	500	GT60	795-2604
	ST68 tubes	46	28	318	ST68	795-2605

<sup>1)</sup> Without flushing hole  
<sup>2)</sup> With flushing hole

THREAD GREASE	DIMENSIONS			PART NO.	
	D (mm)	L (mm)	Weight (kg)		
<b>For integral drill steels and shank rods</b> 	Can	215	170	4.5	795-1960
	Can	300	380	18	795-1961
	Tube	53/57	235	0.4	795-1962
	Low temp. Can	300	380	18	795-1963
	Barrel	610	870	240	795-1964
	Barrel	-	-	50	795-1967
	Steel can	300	372	18	795-1969

## BIT DIAMETER WEAR GAUGE

FOR MEASURING DIAMETER ON DRILL BITS

Measures bit diameter from 40,6 mm to 53,6 mm in steps of 0,2mm.  
Partno: 795-1310



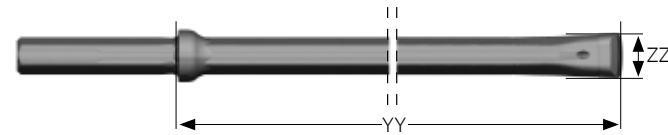
# BIT CLASSIFICATION - SYMBOL EXPLANATION



1. These bits are designed to deliver maximum penetration rates. They tend to work best in soft to medium-hard (up to 150 MPa) and non-abrasive rock formations.
2. These bits are designed to deliver maximum penetration rates. They tend to work best in soft to medium-hard (up to 150 MPa) and non-abrasive rock formations.
3. These bits offer a balance between penetration rate and bit service life. They will drill fast, while still delivering rock tool economy in a wide range of rock conditions.
4. These bits offer a balance between penetration rate and bit service life. They will drill fast, while still delivering rock tool economy in a wide range of rock conditions.
5. These bits are optimized to provide the best possible rock tool economy through long service life. This is especially true and important in hard and abrasive rock formations (above 20 percent silica).

## CODE KEY INTEGRAL DRILL STEELS

7XX-YYZZ-QQ



MAIN CODE 7XX	SUB CODE YYZZ	3RD CODE GROUP QQ
714 = 22x108 shank, Hex 22 chisel	YY = effective length in dm ZZ = insert diameter in mm	50 = insert height 17 mm 65 = insert height 19 mm
724 = 19x108 shank, Hex 19 chisel	YY = effective length in dm ZZ = insert diameter in mm	
728 = 22x108 shank, Hex 19 chisel	YY = effective length in dm ZZ = insert diameter in mm	

## CODE KEY TAPERED BITS

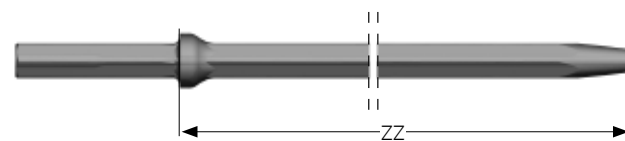
7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7770 = 12 deg Long skirt	YY = 19, 3 gauge buttons	
7776 = 11 deg	YY = 44/52 Normal, 5 gauge buttons	(Q) = B ballistic buttons
7788 = 7 deg	YY = 54, 6 gauge buttons	
7795 = 12 deg Short skirt	YY = 64 Normal, 4 gauge buttons YY = 90 Cross bit HD	QQ = 42 CC-grade 442 (inserts) QQ = 48 CC-grade XT48 (buttons)
	ZZ = Bit diameter in mm	

## CODE KEY TAPERED RODS

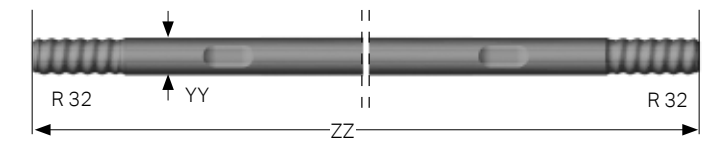
7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7870 = 12 deg	YY = 11 HF hardened, Sanbar 20	11 = no packing
7876 = 11 deg	YY = 51 HF hardened, Sanbar 61	
7888 = 7 deg	YY = 61 Carburized, Sanbar 64	
	ZZ = effective length in dm	

## CODE KEY EXTENSION RODS

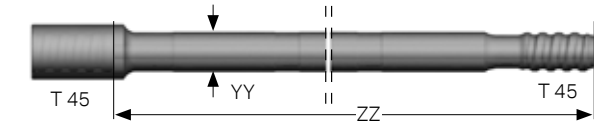
7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7851 = R22	YY = 13 Hex 22	20 = Carburized
7852 = R25	YY = 23 Hex 25	30 = HF-hardened
7853 = R32	YY = 33 Round 33	
7854 = R38	YY = 43 Round 39	
7857 = R23	ZZ = effective length in dm	
7324 = T38	YY = 43 Round 39	20 = Carburized
7325 = T45	YY = 73 Round 46	30 = HF-hardened
7326 = T51	YY = 53 Round 52	
	ZZ = effective length in dm	

## CODE KEY MF RODS

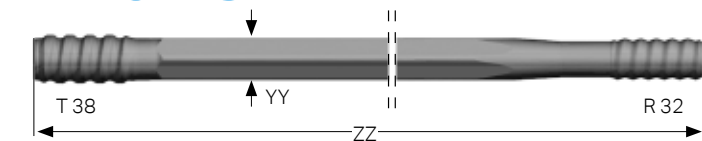
7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7853 = R32	YY = 48 Hex 22	20 = Carburized
7857 = R23	YY = 51 Round 32	
	ZZ = approximate length in dm	
7324 = T38	YY = 47 Round 39	20 = Carburized
7325 = T45	YY = 77 Round 46	70 = Sandvik Tough
7326 = T51	YY = 55 Round 52	80 = +Range
7327 = T35	YY = 11 Round 60	
7610 = GT60	YY = 14 Round 60, for 92 mm bits	
	ZZ = effective length in dm	

## CODE KEY DRIFTER RODS

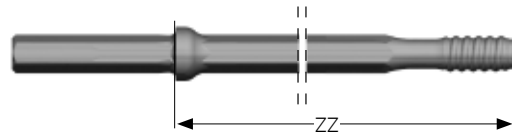
7XXX-YYZZ-Q



MAIN CODE 7XXX	SUBCODE YY		3RD CODE GROUP Q
	Code	Steel Section	
			ZZ = approximate length in dm
7853 = R32 shank end	24	Hex 25	R25 20 = Carburized
7854 = R38 shank end	30	Hex 28	R25
7324 = T38 shank end	76	Hex 28	R28
7327 = T35 shank end	87	Hex 32	R28
	65	MF-drifter Hex 35	R32
	86	Hex 32	R32
	96	Hex 35	R32
	67	Hex 35	α330
	70	Round 39	α330
	72	Round 39	R35
	85	Hex 35	R35
	52	MF-drifter Round 39	R35

## CODE KEY SHANK RODS

7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7801 = R22	Shank rods:	Shank rods:
7802 = R25	YY = 61 Hex 22	11 = shank H22×108, no packing
7803 = R32	YY = 71 Hex 25	21 = shank H25×159, no packing
	ZZ = effective length in dm	30 = shank H25×108, no packing
7807 = R23		
7859 = R28		

## CODE KEY SHANK ADAPTERS

7XXX-YYZZ-QQ



MAIN CODE 7XXX	FEATURES QQ
7801 = R22	01, 02, 03= Separate flushing
7802 = R25	05= Improved surface on splines
7803 = R32	12= Shank for CLS rock drill
7804 = R38	15= Shank for CLS rock drill with improved surface on splines
7807 = R23	19= 19mm packing
7859 = R28	23= 23mm packing
7304 = T38	30= 10mm packing
7305 = T45	80 = 16 mm packing
7306 = T51	40= 11mm packing
7307 = T35	50= 12.7mm packing
7328 = ST58	60/61= 14mm packing
7329 = ST68	80= 16mm packing
7340 = LT90	P-15= shank for rock pulse
7600 = GT60	85= +Range shank

## CODE KEY DRILL TUBES / GUIDE TUBES

7XXX-YYZZ-QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7953 = R32 guide tube	YY = diameter in mm	20, 21 = Carburized
7955 = T38 guide tube	ZZ = approximate length in dm	26 = Carburized, Shoulder-Bottom drive, Oiled
7956 = T45 guide tube		46 = Carburized, Shoulder-Bottom drive, Back flow valve, Oiled
7957 = T51 guide tube		70 = Sandvik Tough
7985 = T45 drill tube		80 = Plus range
7378 = ST58 drill tube		
7379 = ST68 drill tube		
7640 = GT60 pilot tube		
7660 = GT60 drill tube		

## CODE KEY DRIFTER BITS

7XXX-YYZZ-(Q)QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7731 = R22	YY = 10 Cross bit Normal	(Q) = S spherical buttons
7732 = R25	YY = 13/14 Cross bit HD	(Q) = R ballistic buttons
7733 = R32	YY = 16 Normal bit with 6 gauge buttons	(Q) = C conical buttons
7737 = R23	YY = 44 Normal bit 5 gauge buttons	
7738 = R35	YY = 52 HD bit 5 gauge buttons	QQ = 11 CC-grade 411 (inserts)
7739 = R28	YY = 53 Normal bit 6 gauge buttons	QQ = 42 CC-grade 442 (inserts)
7764 = α250	YY = 54 Normal bit 6 gauge buttons	QQ = 48 CC-grade XT48 (buttons)
7767 = α330	YY = 55 Normal bit 6 gauge buttons	QQ = 55 CC-grade DP55 (buttons)
	ZZ = Bit diameter in mm	QQ = 65 CC-grade DP65 (buttons)

## CODE KEY BIG THREADED BITS

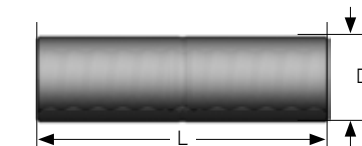
7XXX-YYZZ-(Q)QQ



MAIN CODE 7XXX	SUB CODE YYZZ	3RD CODE GROUP QQ
7734 = R38	YY = 16 HD bit 6 gauge buttons	(Q) = S spherical buttons
7514 = T38	YY = 18 HD bit 8 gauge buttons	(Q) = R ballistic buttons
7515 = T45	YY = 19 HD bit 9 gauge buttons	(Q) = C conical buttons
7516 = T51	YY = 26 Button bit Normal	QQ = 11 CC-grade 411 (inserts)
7517 = T35	YY = 38 Button bit HD	QQ = 42 CC-grade 442 (inserts)
7620 = GT60	YY = 40 HD X-bit	QQ = 48 CC-grade XT48 (buttons)
	YY = 46 HD Retrac bit 6 gauge buttons	QQ = 55 CC-grade DP55 (buttons)
	YY = 48 HD Retrac bit 8 gauge buttons	QQ = 60 CC-grade (conical buttons)
	YY = 49 HD Retrac bit 9 gauge buttons	QQ = 65 CC-grade DP65 (buttons)
	YY = 78 Retrac bit with buttons	
	YY = 55	
	YY = 75	
	ZZ = Bit diameter in mm	

## CODE KEY COUPLINGS

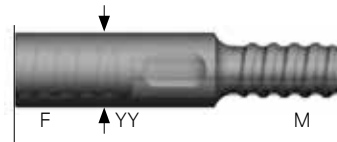
7XXX-YYZZ



MAIN CODE 7XXX	SUB CODE YYZZ
7991 = R22	YY = 04 R28 adapter thread
7992 = R25	YY = 20 Tough hardened, same thread both ends, no middlestop
7993 = R32	YY = 24 R25 adapter thread
7994 = R38	YY = 33 Tough hardened, same thread both ends, with middlestop
7314 = T38	YY = 34 R32 adapter thread
7315 = T45	YY = 36 Carburized, same thread both ends, with middlestop
7316 = T51	YY = 44 R38 adapter thread
7317 = T35	YY = 41 T38 adapter thread
	YY = 62 T45 adapter thread
	YY = 35 R32 adapter thread, full bridge
	ZZ = Outer diameter in mm

# CODE KEY BIT ADAPTERS

7XXX-YY01



## MAIN CODE 7XXX

7832 = R25 internal thread
7833 = R32 internal thread
7834 = R38 internal thread
7837 = R23 internal thread
7839 = R28 internal thread
7334 = T38 internal thread
7335 = T45 internal thread
7336 = T51 internal thread
7337 = T35 internal thread

## SUB CODE YY

YY = 33 R32 external thread
YY = 43 R38 external thread
YY = 44 T38 external thread
YY = 54 T45 external thread
YY = 64 T51 external thread

# LET US MAKE YOUR GRINDING MORE PROFITABLE

We offer a wide range of high quality grinding machines, grinding wheels and cups. Every product is specifically designed to increase safety, productivity and – not least – revenue. They all work perfectly with the TH, DTH, integral steels and cross and X-bits. We know that every customer has their own specific challenges that

require different solutions. This is why we offer products which are suitable for all conceivable situations – from grinding directly at the drill rigs, to grinding in workshops for high levels of production. We also offer spare parts, as well as all the support you need to create a safe and successful mining and construction business.

RG100E INTEGRAL STEEL GRINDER	96
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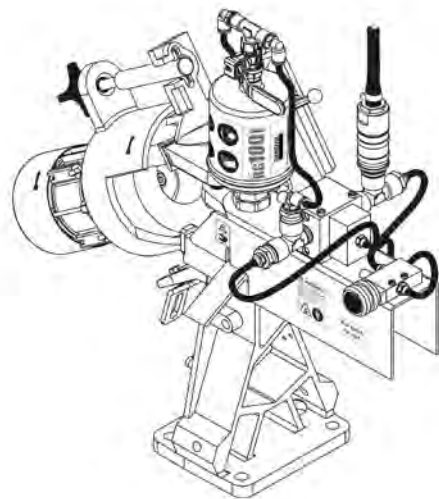


# RG100E

## INTEGRAL STEEL GRINDER

### GRINDING APPLICATIONS

Mobile, lightweight, electrical grinder. Intended for frontal and gauge grinding of chisel integral steels.



### TECHNICAL DATA

Air pressure	Max 8 bar
Air consumption	5–10 l/sec
Rated power (motor)	1.1 kW
Idling speed	2800 (50 Hz) RPM/ 3400 (60 Hz) RPM
Hose connections:	
Air, air hose	9.5 mm (3/8")
Water, water hose	9.5 mm (3/8")
Dimensions: H × W × D	611 × 550 × 350 mm
Grinding wheel dimensions	127 × 546 × 321 mm
Weight inclusive of grinding wheel	21.5 kg
Cutting-edge radius	80 mm
Cutting-edge angle	110°

### PART. NO FOR MACHINES

Complete grinder, hydraulic powered 796-5320-XX\*  
\*For two last digits, see table below, under "Code"

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz	Code
220–240 V	1	50/60 Hz	50
380–420 V	3	50/60 Hz	52
220–240 V	3	50/60 Hz	59

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Grinding wheel for dry grinding	797-1227-15
Protective goggles	797-5771
T-hexagon wrench	797-5766-06

### ACCESSORIES (OPTIONAL)

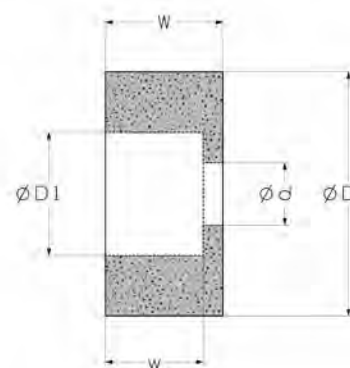
Grinding wheel (dry grinding)	797-1227-15
Grinding wheel (wet grinding)	797-1227-10
Kit for grinding plug hole drill steels	797-5489-50
Mounting bracket (for drill rig)	797-5330-91
Support for integral steels	797-5330-92
Grinding template for chisel bit	795-1343
Grinding template for plug hole steels	795-1336

### RECOMMENDED LUBRICANTS

Grease, 0.42 kg cartridge 797-5773-22

### GRINDING WHEEL DIMENSIONS

D = 127 mm  
W = 63 mm  
d = 32 mm  
D1 = 80 mm  
w = 50 mm

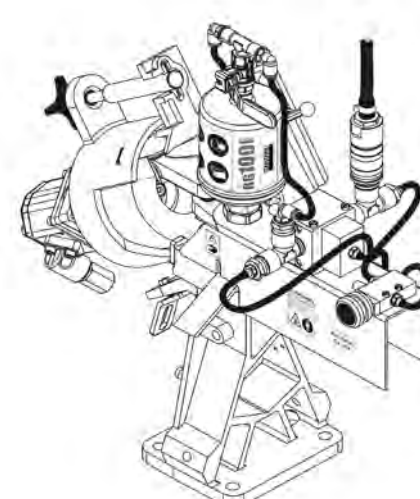


# RG100H

## INTEGRAL STEEL GRINDER

### GRINDING APPLICATIONS

Mobile, lightweight, hydraulic grinder. Intended for frontal and gauge grinding of chisel integral steels.



### TECHNICAL DATA

Hydraulic pressure	Max 200 bar/Min. 140 bar
Oil flow consumption	12 l/min
Air pressure	Max 8 bar
Air consumption	5–10 l/sec
Rated power (motor)	4 kW
Idling speed	3700 RPM
Hose connections:	
Hydraulic, hydraulic hose	R 3/8" female thread
Air, air hose	9.5 mm (3/8")
Water, water hose	9.5 mm (3/8")
Dimensions: H × W × D	600 × 550 × 350 mm
Grinding wheel dimensions	127 × 63 × 32 mm
Weight inclusive of grinding wheel	15.5 kg
Cutting-edge radius	80 mm
Cutting-edge angle	110°

### PART. NO FOR MACHINES

Complete grinder, hydraulic powered 796-5330

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Grinding wheel for dry grinding	797-1227-15
Protective goggles	797-5771
T-hexagon wrench	797-5766-06

### ACCESSORIES (OPTIONAL)

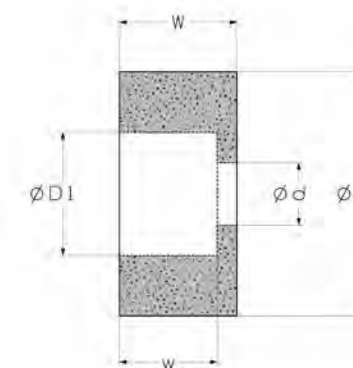
Grinding wheel (dry grinding)	797-1227-15
Grinding wheel (wet grinding)	797-1227-10
Kit for grinding plug hole drill steels	797-5489-50
Mounting bracket (for drill rig)	797-5330-91
Support for integral steels	797-5330-92
Grinding template for chisel bit	795-1343
Grinding template for plug hole steels	795-1336

### RECOMMENDED LUBRICANTS

Grease, 0.42 kg cartridge 797-5773-2

### GRINDING WHEEL DIMENSIONS

D = 127 mm  
W = 63 mm  
d = 32 mm  
D1 = 80 mm  
w =

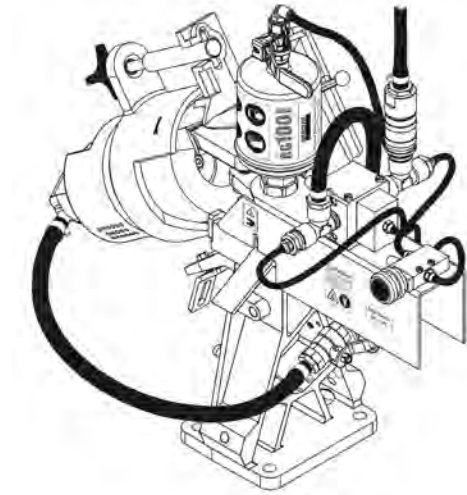


# RG100P

## INTEGRAL STEEL GRINDER

### GRINDING APPLICATIONS

Mobile, lightweight, pneumatic grinder. Intended for frontal and gauge grinding of chisel integral steels.



### TECHNICAL DATA

Air pressure	Max 8 bar/min 6 bar
Air consumption	40–60 l/sec
Rated power (motor)	1.7 kW
Idling speed	4900 RPM
Hose connection:	
Air, air hose	12.5 mm (1/2")
Air or water hose for cooling	9.5 mm (3/8")
Dimensions: H × W × D	660 × 550 × 350 mm
Grinding wheel dimensions	127 × 63 × 32 mm
Weight inclusive of grinding wheel	18.5 kg
Cutting-edge radius	80 mm
Cutting-edge angle	110°

### PART. NO FOR MACHINES

Grinder, air powered 796-5300

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Grinding wheel for dry grinding 797-1227-15  
 Protective goggles 797-5771  
 T-hexagon wrench 797-5766-06  
 Support bracket 797-5289

### ACCESSORIES (OPTIONAL)

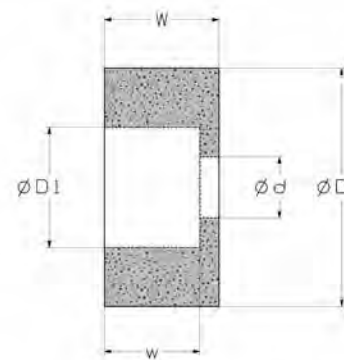
Grinding wheel (dry grinding) 797-1227-15  
 Grinding wheel (wet grinding) 797-1227-10  
 Kit for grinding plug hole drill steels 797-5489-50  
 In line oiler 797-5747-50  
 Mounting bracket (for drill rig) 797-5330-91  
 Support for integral steels 797-5330-92  
 Grinding template for chisel bit 795-1343  
 Grinding template for plug hole steels 795-1336

### RECOMMENDED LUBRICANTS

Air tool oil, 1 liter 797-5870-90  
 Grease, 0.42 kg cartridge 797-5773-22

### GRINDING WHEEL DIMENSIONS

D = 127 mm  
 W = 63 mm  
 d = 32 mm  
 D1 = 80 mm  
 w = 50 mm

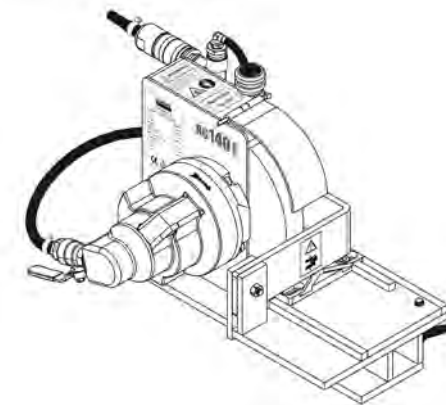


# RG140P

## INTEGRAL STEEL GRINDER AND CROSS GRINDER

### GRINDING APPLICATIONS

Basic pneumatic grinder intended for frontal and gauge grinding of integral steels (with straight grinding wheel) or cross and X-bits (with angled grinding wheel). The machine is suitable for bit sizes: Integral steels, all diameters. Cross bits Ø 33–43 mm.



### TECHNICAL DATA

Air pressure	Max 8 bar/min 6 bar
Air consumption	40–60 l/sec
Rated power (motor)	1.7 kW
Idling speed	3000 RPM
Hose connection:	
Air, air hose	12.5 mm (1/2")
Dimensions: H × W × D	505 × 276 × 326 mm
Grinding wheel dimensions:	
Grinding wheel, 132°	200 × 28 × 32 mm
Grinding wheel, straight	200 × 32 × 32 mm
Weight inclusive of grinding wheel	22 kg

### PART. NO FOR MACHINES

Grinder, air powered 796-3800

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Grinding wheel, for 90° cross bits (bit size: Ø 33–43, for dry grinding) 797-1185-28\*  
 Grinding wheel dresser 796-1858  
 Protective goggles 797-5771  
 T-hexagon wrench 797-5766-06  
 Dressing template for 4-inserts (for 90° cross bits) 797-6035-06

### ACCESSORIES

#### (NOT INCLUDED, TO BE ORDERED SEPARATELY)

Grinding wheel, straight for gauge grinding (for dry grinding) 797-1101-32\*\*  
 Grinding wheel, for 90° cross bits (bit size: Ø 33–39, for dry grinding) 797-1101-25

### ACCESSORIES (OPTIONAL)

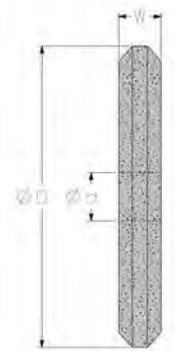
Spare rollers for wheel dresser 796-1867  
 In line oiler 797-5747-50  
 Mounting bracket (for drill rig) 797-5330-91

### RECOMMENDED LUBRICANTS

Air tool oil, 1 liter 797-5870-90  
 Grease, 0.42 kg cartridge 797-5773-22

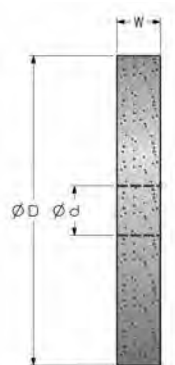
### GRINDING WHEEL DIMENSIONS\*

D = 200 mm  
 W = 28 mm  
 d = 32 mm



### GRINDING WHEEL DIMENSIONS\*\*

D = 200 mm  
 W = 32 mm  
 d = 32 mm



# RG400

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Handheld, lightweight, lower-powered pneumatic grinder intended for all kinds of button bits with max button size of 10 mm.



### TECHNICAL DATA

Air supply pressure	Max 8 bar/min 6 bar
Air consumption	16–17 l/sec
Spindle speed	14000 RPM
Flushing air pressure	Max. 6 bar
Flushing water pressure	Max. 6 bar
Water consumption	5–6 l/min
Hose connections:	
Air, air hose	12.5 mm (1/2")
Water, water hose	6.3 mm (1.4")
Dimensions: H × W × D	156 × 533 × 84 mm
Weight	2.9 kg

### PART. NO FOR MACHINES

Complete grinder 796-5116

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

O-ring	797-5888-24
Hose, 6/4 mm	797-5957-06
Connector, 6-1/4"	797-5899-13
Nylon packing, 1/4"	797-5934-13
House Nipple, 1/4"-R1/4"	797-5777-13
Plug 6, R9 6 mm	797-5769-06
Screw (to remove damper)	797-5463-31
Shock Absorber	797-5273-01

### ACCESSORIES (OPTIONAL)

Tools for O-ring replacement	797-5452
In line oiler	797-5747-50
Cooling/tank unit, complete	797-5488-85
Grinding cups	see page 20
Grinding template	see page 21

### RECOMMENDED LUBRICANTS

Air tool oil, 1 liter 797-5870-90

# RG410

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Handheld, lightweight, higher-powered pneumatic grinder intended for all kinds of button bits.



### TECHNICAL DATA

Air supply pressure	Max 8 bar/min 6 bar
Air consumption	40–55 l/sec
Spindle speed	19000 RPM
Flushing air pressure	Max. 6 bar
Flushing water pressure	Max. 6 bar
Water consumption	5–6 l/min
Hose connections:	
Air, air hose	12.5 mm (1/2")
Water, water hose	6.3 mm (1.4")
Dimensions: H × W × D	156 × 533 × 84 mm
Weight	2.9 kg

### PART. NO FOR MACHINES

Complete grinder 796-5100

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

O-ring	797-5888-24
Hose, 6/4 mm	797-5957-06
Connector, 6-1/4"	797-5899-13
Nylon packing, 1/4"	797-5934-13
House Nipple, 1/4"-R1/4"	797-5777-13
Plug 6, R9 6 mm	797-5769-06
Screw (to remove damper)	797-5463-31
Shock Absorber	797-5273-01

### ACCESSORIES (OPTIONAL)

Tools for O-ring replacement	797-5452
In line oiler	797-5747-50
Cooling/tank unit, complete	797-5488-85
Grinding cups	see page 20
Grinding template	see page 21

### RECOMMENDED LUBRICANTS

Air tool oil, 1 liter 797-5870-90

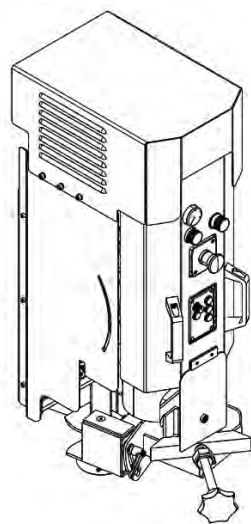


# RG420E

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Stationary electrical grinder for workshops, or to be mounted onto drill rigs. Intended for all kinds of button bits. Bit holder suitable for diameters of up to Ø 122 mm: Top hammer (TH) button bits (normal skirt) up to Ø 152 mm, TH button bits (Retrac skirt) up to Ø 127 mm and down the hole button bits up to Ø 200 mm (max. shank Ø 110 mm and max. head length 110 mm).



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	0.5–3 l/sec
Water supply pressure	Max 8 bar/min 3.5 bar
Water consumption (cooling tank)	2–4 l/min
Water consumption (pump)	0.2–1 l/min
Coolant/flushing medium	Water
Rated power (motor)	1.5 kW
Air connection, air hose	9.5 mm (3/8")
Water connection, water hose	9.5 mm (3/8")
Dimensions: H × W × D	730 × 390 × 390 mm
Weight	45 kg

### PART. NO FOR MACHINES

Grinder with cover	796-6215-XX*
Grinder with pump and cover	796-6265-XX*

\*For two last digits, see table below, under "Code"

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz	Code
220–240 V	1	50/60 Hz	50
380–420 V	3	50/60 Hz	52
220–240 V	3	50/60 Hz	59
440 V	3	60 Hz	63

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Bit insert	797-5502-26
O-ring for Grinding cup	797-5888-24
Assembly tools for O-ring replacement	797-5452
Lock plate	797-5502-39
Spindle tool 9 mm	797-5464-07
Grease gun	797-5870-20

### ACCESSORIES (OPTIONAL)

Bit Mandrels	797-5348-XX**
**23 = R23, 25 = R25, 28 = R28, 32 = R32, 33 = R33, 35 = R35, 38 = R28/T38, 45 = T45, 51 = T51, 58 = ST58, 60 = GT60, 68 = ST68	
Example: Bit mandrel R32 =	797-5348-32
Grinding cups	see page 20
Grinding template	see page 21

### SPARE PART KITS

Complete Grinding head (8000 (50Hz) – 9500 (60Hz)) RPM including flushing head	797-5140
Complete Grinding head (13000 (50Hz) – 15000 (60Hz)) RPM including flushing head	797-5130
All bearings, seals and screws for grinding head	797-5463-05
Outer Spindle (for Flushing head)	797-5464-02
Complete flushing head	797-5464-63 <sup>1</sup> 797-5464-62 <sup>2</sup>
Small kit for flushing head	797-5464-44 <sup>1</sup> 797-5464-45 <sup>2</sup>
Big kit for flushing head	797-5464-59 <sup>1</sup> 797-5464-60 <sup>2</sup>

- 1 = Non lubrication  
2 = Lubrication

### RECOMMENDED LUBRICANTS

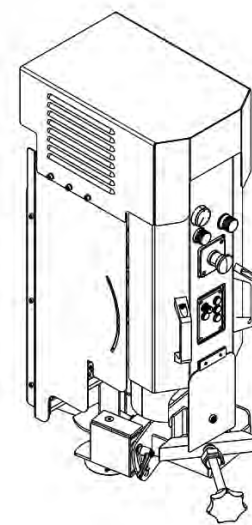
Gear oil, 1 liter	797-5870-15
Air tool oil, 1 liter	797-5870-90
Grease, 0.42 kg cartridge	797-5773-22

# RG420H

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Stationary hydraulic grinder for workshops, or to be mounted onto drill rigs. Intended for all kinds of button bits. Bit holder holds diameters up to Ø 122 mm: Top hammer (TH) button bits (normal skirt) up to Ø 152 mm, TH button bits (Retrac skirt) up to Ø 127 mm and down the hole button bits up to Ø 165 mm (max. shank Ø 110 mm and max. head length 110 mm).



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	0.5–3 l/sec
Water supply pressure	Max 8 bar/min 3.5 bar
Water consumption (cooling tank)	2–4 l/min
Water consumption (pump)	0.2–1 l/min
Coolant/flushing medium	Water
Rated power (motor)	2.8–4 kW
Air connection, air hose	9.5 mm (3/8")
Water connection, water hose	9.5 mm (3/8")
Hydraulic connection, hydraulic hose	R3/8" female thread
Dimensions: H × W × D	730 × 390 × 390 mm
Weight	40 kg
Electricity supply	24V DC, 5A
Hydraulic Supply pressure	Max 200 bar/Min 140 bar
Hydraulic-oil flow	12 l/min

### PART. NO FOR MACHINES

Grinder with cover	796-6235
Grinder with pump and cover	796-6285
Grinder with tank and cover	796-6236

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

Bit insert	797-5502-26
O-ring for Grinding cup	797-5888-24
Assembly tools for O-ring replacement	797-5452
Lock plate	797-5502-39
Spindle tool 9 mm	797-5464-07
Grease gun	797-5870-20

### ACCESSORIES (OPTIONAL)

Bit Mandrels	797-5348-XX**
**23 = R23, 25 = R25, 28 = R28, 32 = R32, 33 = R33, 35 = R35, 38 = R28/T38, 45 = T45, 51 = T51, 58 = ST58, 60 = GT60, 68 = ST68	
Example: Bit mandrel R32 =	797-5348-32
Grinding cups	see page 20
Grinding template	see page 21

### SPARE PART KITS

Complete Grinding head (8000 (50Hz) – 9500 (60Hz)) RPM including flushing head	797-5140
Complete Grinding head (13000 (50Hz) – 15000 (60Hz)) RPM including flushing head	797-5130
All bearings, seals and screws for grinding head	797-5463-05
Outer Spindle (for Flushing head)	797-5464-02
Complete flushing head	797-5464-63 <sup>1</sup> 797-5464-62 <sup>2</sup>
Small kit for flushing head	797-5464-44 <sup>1</sup> 797-5464-45 <sup>2</sup>
Big kit for flushing head	797-5464-59 <sup>1</sup> 797-5464-60 <sup>2</sup>

- 1 = Non lubrication  
2 = Lubrication

### RECOMMENDED LUBRICANTS

Gear oil, 1 liter	797-5870-15
Air tool oil, 1 liter	797-5870-90
Grease, 0.42 kg cartridge	797-5773-22

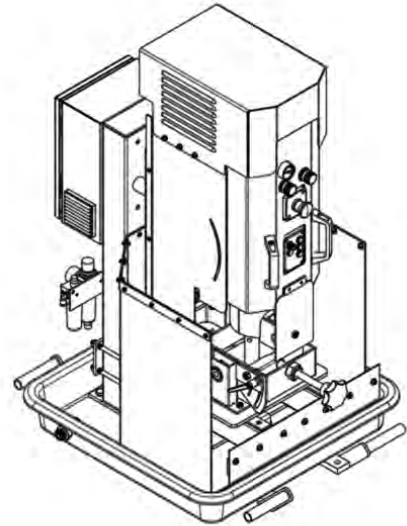


# RG440

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Stationary electrical grinder for workshops. Intended for all top hammer (TH) button bits. Bit holder suitable for Bits with diameters of up to Ø 102 mm: TH button bits (normal skirt) up to Ø 152 mm, TH button bits (retrac skirt) up to Ø 102 mm.



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	0.5–3 l/sec
Water supply pressure	Max 8 bar/min 3 bar
Water consumption	0.2–1 l/min
Coolant/flushing medium	Water
Rated power (motor)	1.5 kW
Air connection, air hose	9.5 mm (3/8")
Water connection, water hose	9.5 mm (3/8")
Dimensions: H × W × D	750 × 670 × 795 mm
Weight	95 kg

### PART. NO FOR MACHINES

Grinder with cover	796-6005-XX*
Grinder with pump and cover	796-6055-XX*

\*For two last digits, see table below, under "Code"

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz	Code
220–240 V	1	50/60 Hz	50
380–420 V	3	50/60 Hz	52
220–240 V	3	50/60 Hz	59
440 V	3	60 Hz	63

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

T38/R38 Bit Mandrel	797-5348-38
O-ring for Grinding cup	797-5888-24
Assembly tools for O-ring replacement	797-5452
Lock plate	797-5502-39
Spindle tool 9 mm	797-5464-07
Grease gun	797-5870-20

### ACCESSORIES (OPTIONAL)

Bit Mandrels	797-5348-XX**
**23 = R23, 25 = R25, 28 = R28, 32 = R32, 33 = R33, 35 = R35, 38 = R28/T38, 45 = T45, 51 = T51, 58 = ST58, 60 = GT60, 68 = ST68	
Example: Bit mandrel R32 = 797-5348-32	
Grinding cups	see page 20
Grinding template	see page 21

### SPARE PART KITS

Complete Grinding head (8000 (50Hz) – 9500 (60Hz)) RPM including flushing head	797-5140
Complete Grinding head (13000 (50Hz) – 15000 (60Hz)) RPM including flushing head	797-5130
All bearings, seals and screws for grinding head	797-5463-05
Outer Spindle (for Flushing head)	797-5464-02
Complete flushing head	797-5464-63 <sup>1</sup> 797-5464-62 <sup>2</sup>
Small kit for flushing head	797-5464-44 <sup>1</sup> 797-5464-45 <sup>2</sup>
Big kit for flushing head	797-5464-59 <sup>1</sup> 797-5464-60 <sup>2</sup>

- 1 = Non lubrication
- 2 = Lubrication

### RECOMMENDED LUBRICANTS

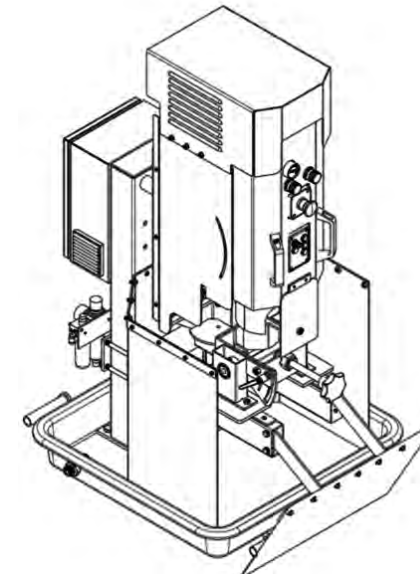
Gear oil, 1 litre	797-5870-15
Air tool oil, 1 litre	797-5870-90
Grease, 0.42 kg cartridge	797-5773-22

# RG460

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Stationary electrical grinder for workshops. Intended for all down the hole (DTH) button bits. Bit holder suitable for diameters up to Ø 106 mm: DTH button bits up to Ø 178 mm (max. shank Ø 106 mm and max. head length 92 mm).



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	0.5–3 l/sec
Water supply pressure	Max 8 bar/min 3 bar
Water consumption	0.2–1 l/min
Coolant/flushing medium	Water
Rated power (motor)	1.5 kW
Air connection, air hose	9.5 mm (3/8")
Water connection, water hose	9.5 mm (3/8")
Dimensions: H × W × D	990 × 670 × 795 mm
Weight	95 kg

### PART. NO FOR MACHINES

Grinder with cover	796-6105-XX*
Grinder with pump and cover	796-6155-XX*

\*For two last digits, see table below, under "Code"

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz	Code
220–240 V	1	50/60 Hz	50
380–420 V	3	50/60 Hz	52
220–240 V	3	50/60 Hz	59
440 V	3	60 Hz	63

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

T38/R38 Bit Mandrel	797-5348-38
O-ring for Grinding cup	797-5888-24
Assembly tools for O-ring replacement	797-5452
Lock plate	797-5502-39
Spindle tool 9 mm	797-5464-07
Grease gun	797-5870-20
Insert plate DTH, 3"	797-5503-73
Insert plate DTH, 4"	797-5503-74
Insert plate DTH, 5"	797-5503-75
Insert plate DTH, 6"	797-5503-76

### ACCESSORIES (OPTIONAL)

Grinding cups	see page 20
Grinding template	see page 21

### SPARE PART KITS

Complete Grinding head (8000 (50Hz) – 9500 (60Hz)) RPM including flushing head	797-5140
Complete Grinding head (13000 (50Hz) – 15000 (60Hz)) RPM including flushing head	797-5130
All bearings, seals and screws for grinding head	797-5463-05
Outer Spindle (for Flushing head)	797-5464-02
Complete flushing head	797-5464-63 <sup>1</sup> 797-5464-62 <sup>2</sup>
Small kit for flushing head	797-5464-44 <sup>1</sup> 797-5464-45 <sup>2</sup>
Big kit for flushing head	797-5464-59 <sup>1</sup> 797-5464-60 <sup>2</sup>

- 1 = Non lubrication
- 2 = Lubrication

### RECOMMENDED LUBRICANTS

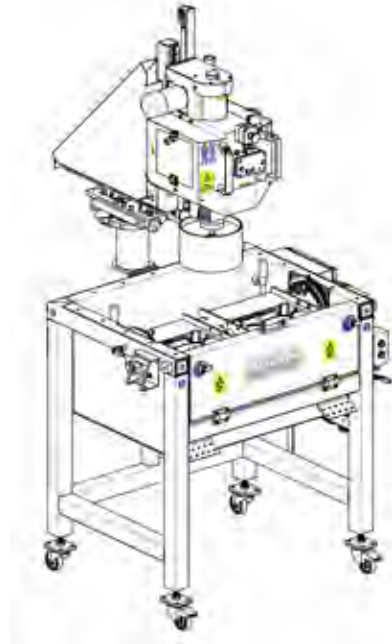
Gear oil, 1 liter	797-5870-15
Air tool oil, 1 liter	797-5870-90
Grease, 0.42 kg cartridge	797-5773-22

# RG470 PRO

## BUTTON BIT GRINDER

### GRINDING APPLICATIONS

Highly efficient stationary electrical grinder for workshops. Intended for all button bits. Top Hammer (TH) bits Ø 28 mm (bit length > 65 mm) up to Ø 152 mm, and down the hole (DTH) bits Ø 90 mm up to Ø 270 mm.



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	0.5 – 2 l/sec
Water supply pressure	Max 8 bar/min 3.5 bar
Water consumption	1 l/min
Coolant/flushing medium	Water
Rated power (grinding motor)	3 kW
Air connection, air hose	9.5 mm (3/8")
Water connection, water hose	9.5 mm (3/8")
Dimensions: H x W x D	2290 x 1337 x 1422 mm
Weight	320 kg

### PART. NO FOR MACHINES

Grinder 796-6600-XX\*

\*For two last digits, see table below, under "Code".

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz	Code
380–420 V	3	50/60 Hz	52
220–240 V	3	50/60 Hz	59

### ACCESSORIES (INCLUDED IN MACHINE DELIVERY)

O-ring for Grinding cup	797-5888-24
Assembly tools for O-ring replacement	797-5452
Spindle tool 9 mm	797-5464-07
Grease gun	797-5870-20

### ACCESSORIES (OPTIONAL)

Grinding cups	see page 20
Grinding template	see page 21

### SPARE PART KITS

Outer Spindle (for flushing head)	797-5464-02
Complete flushing head	797-5464-63 <sup>1</sup> 797-5464-62 <sup>2</sup>
Small kit for flushing head	797-5464-44 <sup>1</sup> 797-5464-45 <sup>2</sup>
Big kit for flushing head	797-5464-59 <sup>1</sup> 797-5464-60 <sup>2</sup>

1 = Non lubrication  
2 = Lubrication

### RECOMMENDED LUBRICANTS

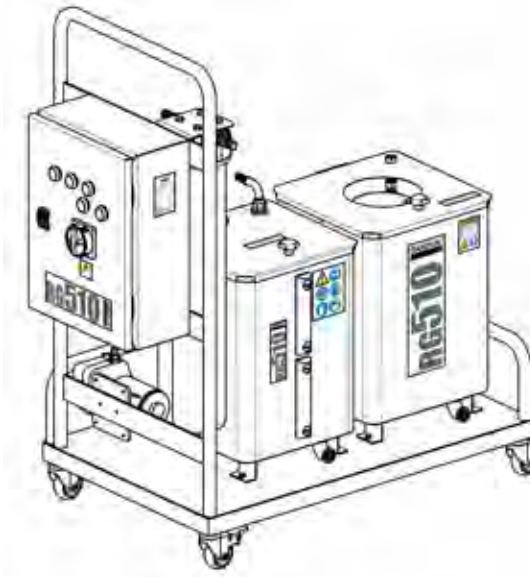
Air tool oil, 1 liter	797-5870-90
Grease, 0.42 kg cartridge	797-5773-22

# RG510

## WATER CIRCULATION UNIT

### GRINDING APPLICATIONS

Water circulation unit used to take care of cobalt particles in the coolant water, generated from grinding machines. This minimizes operators exposure of hazardous substances. Sandvik Water circulation unit is designed for workshop use and can be integrated with any variant of Sandvik grinding machine.



### TECHNICAL DATA

Air supply pressure	Max 10 bar/min 6 bar
Air consumption	Max. 200 LPM
Air connection, air hose	6 mm (1/4")
Water connection, water hose	12 mm (1/2")
Flushing pump (to grinding machine)	1 LPM to 20 LPM Pr. 2.5 Bar, 24VDC
Filtering pump (to filter)	12.5 LPM, Pr. 2.5 Bar, 24VDC
Filter rating	5 µm, long PP
Filter dimension	Ø x L 2.5" x 20" (63.5 x 508 mm)
Filtered water tank capacity	30 Liters
Sedimentation tank capacity	34 Liters
Dimensions: H x W x D	1010 x 1012 x 525 mm
Weight (dry weight)	35 Kgs

### PART. NO FOR MACHINES

Grinder 796-3700-00

### VOLTAGE/PHASE ALT.

Voltage	Phases	Hz
220–240 V	1	50/60 Hz

### RECOMMENDED SPARE PARTS

Filter	797-3703-03
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# RG520

## DUST EXHAUST UNIT

### GRINDING APPLICATIONS

Dust exhaust unit used to collect cobalt dust generated from grinding machines. This minimizes operators exposure of hazardous substances. Sandvik Dust exhaust unit is designed for workshop use and can be integrated with any variant of Sandvik grinding machine



### TECHNICAL DATA

Air flow	2000 m <sup>3</sup> /hour
Pressure	40 mm of water gauge (0.03 bar)
Motor rated power	1.1 KW
Noise Level	68 dBA
Exhaust unit dimensions: H x W x D	545 x 525 x 525 mm
Exhaust unit weight	45 kg
Exhaust unit and stand dimensions: H x W x D	2286 x 525 x 525 mm
Exhaust unit and stand weight	65 kg

### PART. NO FOR MACHINES

Grinder 796-3600-XX\*

\*For two last digits, see table below, under "Code".

### VOLTAGE/PHASE ALT.

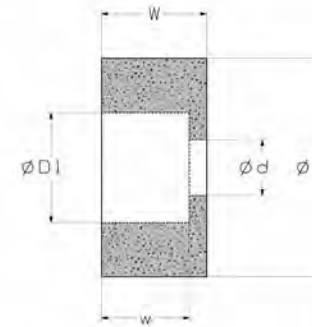
Voltage	Phases	Hz	Code
380-420 V	3	50/60 Hz	52
220-240 V	3	50/60 Hz	59

### RECOMMENDED SPARE PARTS

Filter 797-3601-08

# GRINDING WHEELS

### GRINDING WHEELS FOR RG100P, RG100H, RG120P AND RG120E



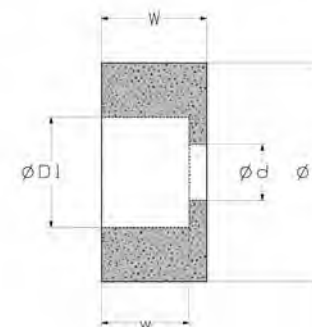
### GRINDING WHEEL FOR RG100

D	W	d	D1	w	COMMENT	PART.NO
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

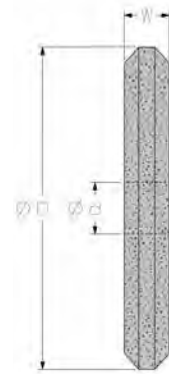


### SECOROC: JUNIOR AND SENIOR, ATLAS COPCO: TEROC 1500/1501

D	W	d	D1	w	COMMENT	PART.NO
200	102	32	150	80	wet grinding	797-1250-10

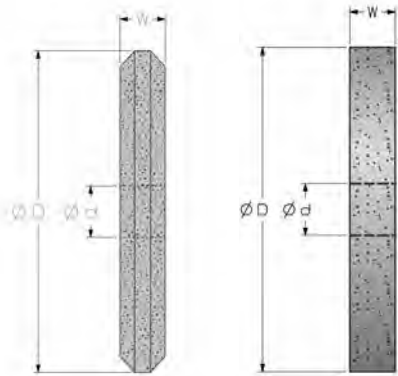
# GRINDING WHEELS

## 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



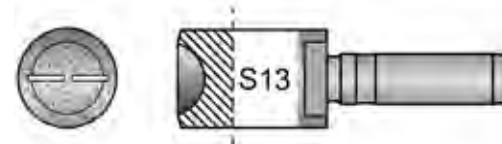
BIT INSERT ANGLE	BIT Ø, MM	WHEEL ANGLE	D	W	d	COMMENT	PART.NO
90°, Cross bits	33–39	132°	200	25	32	dry grinding	797-1101-25
90°, Cross bits	33–43	132°	200	28	32	dry grinding	797-1185-28
Straight wheel for gauge grinding			200	32	32	dry grinding	797-1101-32

# GRINDING CUPS

## GRINDING CUPS FOR RG400, RG410, RG420, RG440, RG460 AND RG470 GRINDERS

### SANCUP SUPER (S)

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



\* = straight water flushing slots

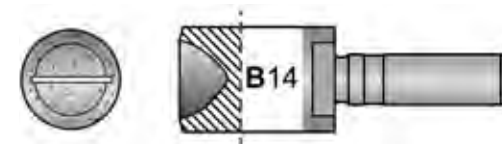


\*\* = three water flushing slots

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



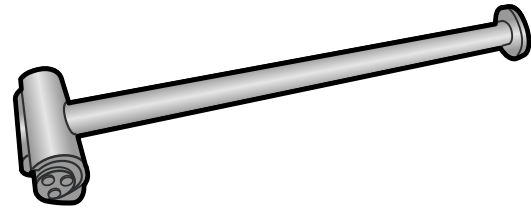
\*\* = three water flushing slots

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

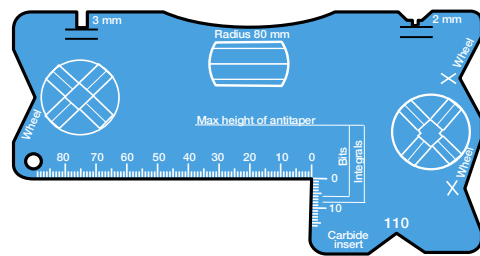
## WHEEL DRESSER



<sup>1)</sup> Included in a complete unit.

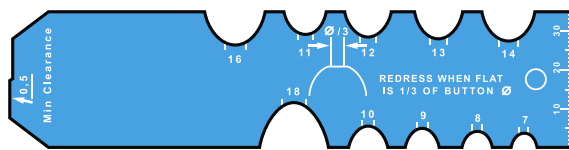
DESCRIPTION	PART. NO
Wheel dresser, complete	796-1858
Shaft (1 pcs) <sup>1)</sup>	796-1862
Bearing bushing (2 pcs) <sup>1)</sup>	796-1863
Screw (6 pcs) <sup>1)</sup>	796-1865
Cover (2 pcs) <sup>1)</sup>	796-1866
1 set of dresser rollers <sup>1)</sup>	796-1867

## GRINDING TEMPLATES



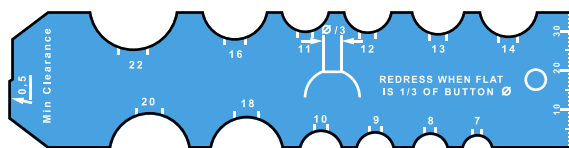
Grinding template for integrals steels / Grinding template for cross and X-bits with diameter up to 115 mm.

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.



