

**HOLLOW DRILL STEEL & ROCK DRILLING ROD**  
**BROCHURE**

# WELCOME TO OUR COMPANY



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# COMPANY PROFILE

Henan Kings Rock Tools Co., Ltd. is a modern high-tech enterprise specializing in the research and manufacturing of hollow steel and high-quality finished rock drilling tools for high-end rock drilling tools. The products are mainly used in mining, quarrying, tunnel, construction and related industries. Kings Rock Tools was established in 1977, located in Zhoukou City, Henan Province, covering an area of more than 100000 square meters. It has a standardized administrative office building, a physical and chemical inspection room of the product quality control center, a product research and development center, a steel rolling business department of two hollow steel production lines, and a drilling tool business department of mechanized precision machining. It has become a complete supplier of rock drilling tools in the whole industry chain in China. Kings Rock Tools adheres to the unremitting pursuit of product quality, and through continuous technological progress, ensures that product quality is at the forefront of the industry. At the same time, we strive to provide customers with more economical and efficient rock drilling tool solutions.



45 Years Production Experience



Environment Management System



Occupational Health & Safety Management System



Quality Management System



6S Production Site Management

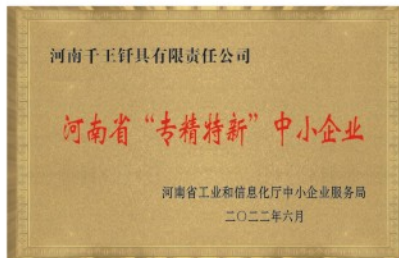


# COMPANY HONOR

Kings Rock Tools was awarded the title of "High Tech Enterprise" in 2020. Provincial "specialized, refined, and innovative" small and medium-sized enterprises, provincial "enterprise technology center", 3 invention patents, 39 utility model patents, ISO9001 quality management system, ISO14001 environmental management system, ISO45001 occupational health and safety management system.



High Technology Enterprises



SRDI Minor Enterprise



Provincial Enterprise Technology R&D Center



ISO9001 Quality System Certification



ISO14001 Environmental System Certification



ISO45110 Occupational Health Certification



Invention Patent



Invention Patent

## Utility Model Patent



## PHYSICAL & CHEMICAL TESTING ROOM

Kings Rock Tools has a professional physical and chemical inspection room that can test the chemical composition, metallographic structure, hardness, sample outline, and mechanical properties of products. It is an important link and basic basis for product quality judgment, as well as one of the important means for scientific research and new product trial production. From the physical and chemical inspection of raw materials, semi-finished products, and finished products, it effectively supports the smooth progress of production and new product trial production, and provides guarantee for improving product quality.



**Carbon Sulfur Analyzer**



**Chemical Composition Analysis**



**Metallographic Analysis**



**Hardness Analysis**



**Profilometer**



**Universal Testing Machine**



## STEEL ROLLING DIVISION:WORKSHOP I

Kings Rock Tools Steel Rolling Workshop I has an international advanced steel rolling production line: "mechanical drilling cored hot rolling method", specializing in the production of hollow steel for rock drilling tools with stable quality, good wear resistance and easy processing.



**Drilling Machine**



**Raw Materials With Core Bar**



**Heating Furnace**



**φ550 Rolling Mill**



**φ450 Rolling Mill**



**Automation Control Room**



**Horizontal And Vertical Finishing Mill Unit**



**Step By Step Cooling Bed**



**Core Pulling**

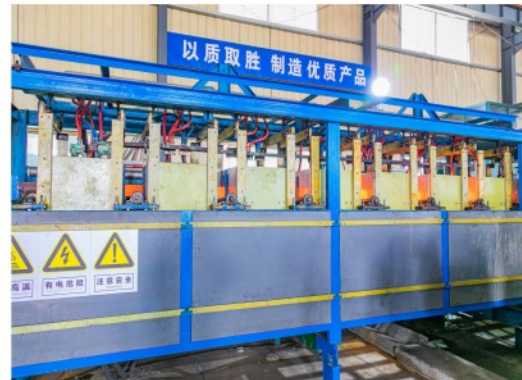


## STEEL ROLLING DIVISION:WORKSHOP II

Kings Rock Tools Steel Rolling Workshop II has an international advanced steel rolling production line: "hot piercing and hot rolling method", specializing in the production of hollow steel for rock drilling tools with stable quality, good wear resistance and easy processing.



**Step By Step  
Gas Heating Furnace**



**Intermediate  
Frequency Heating**



**φ108 Hot Drilling Unit**



**Reduction Unit**



**Finishing Mill Unit**



**Step By Step Cooling Bed**

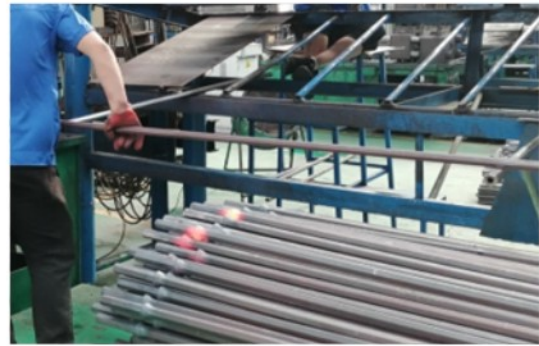


# DRILLING TOOL DIVISION:PRECISION PROCESSING WORKSHOP

## Tapered drill rod precision machining workshop: Drill Tool Workshop I



Reaming



Forged Collar



Heat Treatment



Painting

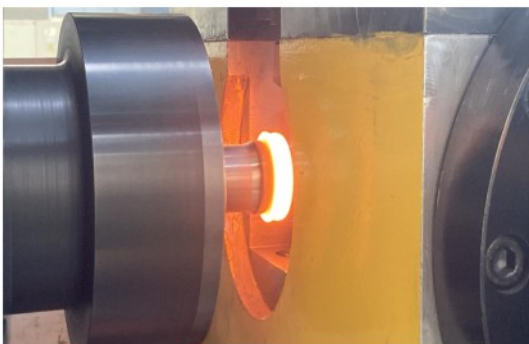
## Thread Drill Rod Precision Processing Workshop: Drill Tool Workshop II



CNC Machining



Thread Turning



Friction Welding



Carburization

# Why Choose Us!



## Rich Experience

For more than 45+ years, Kings Rock Tools only focus in manufacturing reliable rock drilling consumables. We have many employees worked here more than 20 years, with their invaluable experience, ensuring that every drill tool we produce always at the highest level.



## Reliable Quality

Product quality is the relentless pursuit of Kings Rock Tools. Based on the ISO9001:2015 and 6S on-site management system, we will be striving to achieve the goal of "all staff participating in strengthening management and improving quality".



## ■ VISSION

Produce premier hollow drill steel, create top brand of rock tools

## ■ CULTURE

Let's make a great company together

## ■ MISSION

Build an international advanced rock drilling tools production base



# Why Choose Us!



## Original Manufacturer

As one of the largest specialized manufacturers for hollow drill steel and rock drilling tools, we can provide customers reliable rock drilling consumables with short delivery time and good price.



## Service & Support

Kings Rock Tools has a team of tool specialists, manufacturing experts and professional sales, has been striving to offer clients premium solution with reliable rock drilling consumables to save the total drilling cost.



## ■ BUSINESS PHILOSOPHY

Market-oriented, Customer-centered.

## ■ COREVALUE

Favor staffs, benefit clients, society responsible

## ■ OPERATION GUIDE

Full participation, strengthen management, keep improving the product quality







# PRODUCTS DISPLAY

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H22x108 mm (7/8"x4 1/4"), TAPER 12°  
H25x108 mm (1"x4 1/4"), TAPER 7°  
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T38-R39-T38 T45-R46-T45 T51-R52-T51 T60-R60-T60

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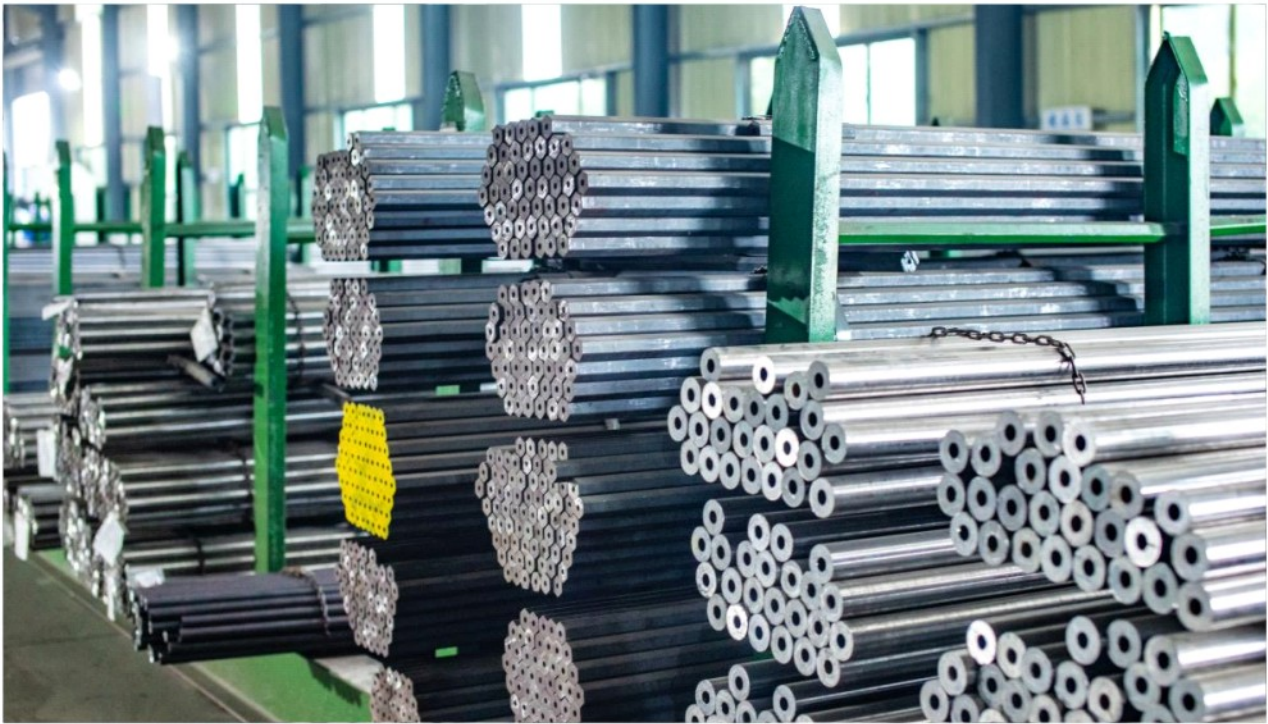
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Atlas Copco  
Sandvik  
Furukawa  
Montabert  
Ingersoll-Rand




Drill rods take a great deal of punishment during their working life and only a drill steel of consistently high quality will provide maximum operational dependability and a long service life. We know from our experience that there is only one route for this: carefully selected raw materials for producing the steel and the utmost care and control at every stage of production. Kings Rock Tools is the professional manufacturer of drill steel with more than 40 years of experience. Fully integrated production - from steel material to the finished product - gives us total control of the entire chain of manufacturing processes. Large-scale production enables us to operate a plant which is designed for and dedicated to the manufacture of drill steels. All processes are carried out in accordance with a well-established quality assurance programme, which meets ISO9001 requirements. Kings Rock Tools's philosophy for product development is based on listening to our customers. We have a long established tradition of co-operation with leading rock drill tools manufacturers. This co-operation, together with Kings Rock Tools's expertise in materials and processes results in drill steels which meet the most exacting end user requirements and are well suited to the efficient and economical production methods of our customers.



## HOLLOW DRILL STEEL

Hollow steel is the material used to make drill rods, which are one of the main consumption tools for rock drilling equipment and are mainly used in mining and construction of railways, highways, waterways, dams, and national defense readiness projects. Drill tools are essential tools in rock drilling and blasting, and drill rods are an important component of drill tools. Hollow steel is mainly used for producing rock drilling drill rods. Our company produces hollow steel with hexagonal and circular cross-sectional shapes, with models H19, H22, H25, H32, H35 hexagonal and R32, R38, R46, R52, and R60 circular hollow steel.

Hex Series	Model	Across Flat	Dia.	Weight
		mm	mm	kg/m
	H19	19	6	2.21
	H22	22.2	6.7	3.05
	H25	25.3	7.6	3.97
	H28	28.6	8.9	5.05
	H32	32	9.5	6.36
	H35	35	9.5	7.86

Round Series	Model	Outside Dia.	Core Dia.	Weight
		mm	mm	kg/m
	R32	32.2	9.3	5.83
	R39	39	14.5	8.02
	R46	45.8	17	11.07
	R52	52	21.5	13.72
	R56	56	35	11.79
	R60	60	36	14.23

Note: Custom hollow drill steel are available upon clients request.

# TAPERED ROD

TAPERED ROD

7°

H22x108 mm (7/8"x4 1/4")	Taper	Length		Weight	Part no.
		mm	ft/in	kg	
	7°	500	1'5/8"	1.5	ZD-108H227-500
	7°	800	2'7 1/2"	2.4	ZD-108H227-800
	7°	1000	3'3 3/8"	3.0	ZD-108H227-1000
	7°	1200	3'11 1/4"	3.6	ZD-108H227-1200
	7°	1500	4'11"	4.68	ZD-108H227-1500
	7°	1800	5'10 7/8"	5.5	ZD-108H227-1800
	7°	2000	6'7"	6.2	ZD-108H227-2000
	7°	2200	7'2 5/8"	6.7	ZD-108H227-2200
	7°	2500	8'2"	7.73	ZD-108H227-2500
	7°	3000	9'10"	9.25	ZD-108H227-3000
	7°	3500	11'5"	10.78	ZD-108H227-3500
	7°	4000	13'1"	12.3	ZD-108H227-4000
	7°	4500	14'8"	13.83	ZD-108H227-4500
	7°	5000	16'4 5/8"	15.12	ZD-108H227-5000
	7°	6000	19'8 1/4"	18.2	ZD-108H227-6000
	7°	7000	22'11 5/8"	21.34	ZD-108H227-7000
	7°	8000	26'3"	24.31	ZD-108H227-8000

11°

H22x108 mm (7/8"x4 1/4")	Taper	Length		Weight	Part no.
		mm	ft/in	kg	
	11°	610	2'	2.2	ZD-108H2211-610
	11°	800	3'3"	2.78	ZD-108H2211-800
	11°	1220	4'	4.06	ZD-108H2211-1220
	11°	1830	6'	5.92	ZD-108H2211-1830
	11°	2000	6'7"	6.44	ZD-108H2211-2000
	11°	2435	8'	7.76	ZD-108H2211-2435
	11°	3050	10'	9.64	ZD-108H2211-3050
	11°	3660	12'	11.5	ZD-108H2211-3660
	11°	4000	13'1"	12.54	ZD-108H2211-4000
	11°	4800	15'9"	14.98	ZD-108H2211-4800
	11°	5600	18'4"	17.42	ZD-108H2211-5600
	11°	6400	21'	19.86	ZD-108H2211-6400
	11°	7200	23'6"	22.3	ZD-108H2211-7200
	11°	8000	26'2"	24.74	ZD-108H2211-8000



# TAPERED ROD

12°

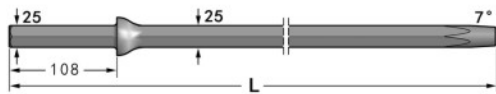
H22x108 mm (7/8"x4 1/4")	Taper	Length		Weight	Part no.
		mm	ft/in	kg	
	12°	610	2'	2.2	ZD-108H2212-610
	12°	800	3'3"	2.78	ZD-108H2212-800
	12°	1220	4'	4.06	ZD-108H2212-1220
	12°	1830	6'	5.92	ZD-108H2212-1830
	12°	2000	6'7"	6.44	ZD-108H2212-2000
	12°	2435	8'	7.76	ZD-108H2212-2435
	12°	3050	10'	9.64	ZD-108H2212-3050
	12°	3660	12'	11.5	ZD-108H2212-3660
	12°	4000	13'1"	12.54	ZD-108H2212-4000
	12°	4800	15'9"	14.98	ZD-108H2212-4800
	12°	5600	18'4"	17.42	ZD-108H2212-5600
	12°	6400	21'	19.86	ZD-108H2212-6400
	12°	7200	23'6"	22.3	ZD-108H2212-7200
	12°	8000	26'2"	24.74	ZD-108H2212-8000



TAPERED ROD

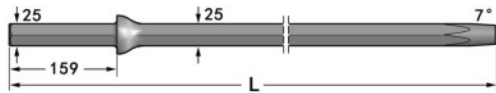
7°

H25x108 mm (1"x4 1/4")	Taper	Length		Weight	Part no.
		mm	ft/in	kg	
	7°	1500	4'11"	5.9	ZD-108H257-1500
	7°	1600	5'3"	6.3	ZD-108H257-1600
	7°	1800	5'10 7/8"	7.1	ZD-108H257-1800
	7°	2000	6'6 3/4"	7.9	ZD-108H257-2000
	7°	2500	8'2 3/8"	9.9	ZD-108H257-2500
	7°	3000	9'10 1/8"	11.9	ZD-108H257-3000
	7°	4000	13'1 1/2"	15.9	ZD-108H257-4000



7°

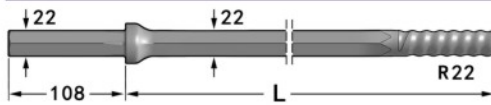
H25x159 mm (1"x6 1/4")	Taper	Length		Weight	Part no.
		mm	ft/in	kg	
	7°	4000	13'1"	16.65	ZD-159H257-4000
	7°	4700	15'4"	18.9	ZD-159H257-4700
	7°	5000	16'4"	22.1	ZD-159H257-5000
	7°	5500	18'1"	22.1	ZD-159H257-5500



## SHANK ROD

R22

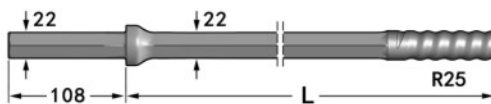
H22x108 mm (7/8"x4 1/4")



Thread	Length		Diameter		Weight	Part no.
	mm	ft/in	mm	inch	kg	
R22	255	10 3/64"	22	7/8"	1.12	W-108H22R22-255
R22	1000	3'3"	22	7/8"	3.39	W-108H22R22-1000

R25

H22x108 mm (7/8"x4 1/4")

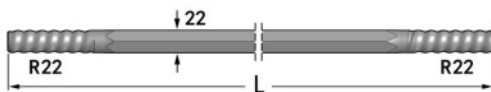


Thread	Length		Diameter		Weight	Part no.
	mm	ft/in	mm	inch	kg	
R25	255	10 3/64"	22	7/8"	1.14	W-108H22R25-255
R25	800	2'7"	22	7/8"	2.78	W-108H22R25-800
R25	1000	3'3"	22	7/8"	3.39	W-108H22R25-1000

## EXTENSION ROD

R22

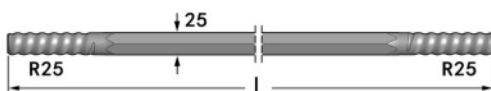
R22-H22-R22



Thread	Length		Diameter		Weight	Part no.
	mm	ft/in	mm	inch	kg	
R22	800	2'7"	22	7/8"	2.44	MM-R22-H22-R22-800
R22	1200	3'11"	22	7/8"	3.66	MM-R22-H22-R22-1200
R22	1600	5'3"	22	7/8"	4.88	MM-R22-H22-R22-1600
R22	2000	6'7"	22	7/8"	6.1	MM-R22-H22-R22-2000
R22	2435	8'	22	7/8"	7.44	MM-R22-H22-R22-2435

R25

R25-H25-R25



Thread	Length		Diameter		Weight	Part no.
	mm	ft/in	mm	inch	kg	
R25	915	2'7"	25	1"	3.66	MM-R25-H25-R25-915
R25	1220	3'11"	25	1"	4.88	MM-R25-H25-R25-1220
R25	1525	5'3"	25	1"	6.1	MM-R25-H25-R25-1525
R25	1830	6'7"	25	1"	7.32	MM-R25-H25-R25-1830
R25	2435	8'	25	1"	9.74	MM-R25-H25-R25-2435
R25	3050	10'	25	1"	12.2	MM-R25-H25-R25-3050



# EXTENSION ROD

R32							
R32-R32-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32	915	3'	32	1 1/4"	5.4	MM-R32-R32-R32-915
	R32	1220	4'	32	1 1/4"	7.2	MM-R32-R32-R32-1220
	R32	1525	5'	32	1 1/4"	9.0	MM-R32-R32-R32-1525
	R32	1830	6'	32	1 1/4"	10.8	MM-R32-R32-R32-1830
	R32	2435	8'	32	1 1/4"	14.3	MM-R32-R32-R32-2435
	R32	3050	10'	32	1 1/4"	17.9	MM-R32-R32-R32-3050
	R32	3660	12'	32	1 1/4"	21.5	MM-R32-R32-R32-3660

T38							
T38-R39-T38	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T38	1220	4'	39	1 1/2"	9.9	MM-T38-R39-T38-1220
	T38	1525	5'	39	1 1/2"	12.4	MM-T38-R39-T38-1525
	T38	1830	6'	39	1 1/2"	14.9	MM-T38-R39-T38-1830
	T38	3050	10'	39	1 1/2"	24.7	MM-T38-R39-T38-3050
	T38	3660	12'	39	1 1/2"	29.7	MM-T38-R39-T38-3660

T38							
T38-H32-T38	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T38	3050	10'	32	1 1/4"	19.6	MM-T38-H32-T38-3050
	T38	3660	12'	32	1 1/4"	22.1	MM-T38-H32-T38-3660

T45							
T45-R46-T45	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T45	3050	10'	45	1 3/4"	34.2	MM-T45-R46-T45-3050
	T45	3660	12'	45	1 3/4"	41.0	MM-T45-R46-T45-3660
	T45	4265	14'	45	1 3/4"	47.8	MM-T45-R46-T45-4265
	T45	4880	16'	45	1 3/4"	54.9	MM-T45-R46-T45-4880
	T45	6095	20'	45	1 3/4"	68.9	MM-T45-R46-T45-6095

T51							
T51-R52-T51	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T51	1830	6'	51	2"	25.3	MM-T51-R52-T51-1830
	T51	3660	12'	51	2"	50.9	MM-T51-R52-T51-3660
	T51	4265	14'	51	2"	59.4	MM-T51-R52-T51-4265
	T51	6095	20'	51	2"	84.8	MM-T51-R52-T51-6095

T60							
T60-R60-T60	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T60	3660	12'	60	2 3/8"	73.0	MM-T60-R60-T60-3660
	T60	4265	14'	60	2 3/8"	82.0	MM-T60-R60-T60-4265
	T60	6095	20'	60	2 3/8"	110.0	MM-T60-R60-T60-6095

# DRIFTER ROD

## R25/R32

R32-H25-R25	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R25/R32	2200	7'2 5/8"	25	1"	8.9	MM-R32-H25-R25-2200
	R25/R32	2400	7'10 1/2"	25	1"	9.7	MM-R32-H25-R25-2400
	R25/R32	2600	8'6 3/8"	25	1"	10.5	MM-R32-H25-R25-2600
	R25/R32	2800	9'2 1/4"	25	1"	11.3	MM-R32-H25-R25-2800
	R25/R32	3090	10'1 5/8"	25	1"	12.4	MM-R32-H25-R25-3090
	R25/R32	3700	12'1 5/8"	25	1"	14.9	MM-R32-H25-R25-3700

## R28/R32

R32-H28-R28	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R28/R32	2400	7'10 1/2"	28	1 1/8"	12.3	MM-R32-H28-R28-2400
	R28/R32	2750	9'1/4"	28	1 1/8"	14.1	MM-R32-H28-R28-2750
	R28/R32	3090	10'1 5/8"	28	1 1/8"	18.9	MM-R32-H28-R28-3090
	R28/R32	3700	12'1 5/8"	28	1 1/8"	22	MM-R32-H28-R28-3700
	R28/R32	4305	14'1 5/8"	28	1 1/8"	22	MM-R32-H28-R28-4305

## R32/R38

R38-H32-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32/R38	3090	10'1 5/8"	32	1 1/4"	19.8	MM-R38-H32-R32-3090
	R32/R38	3700	12'1 5/8"	32	1 1/4"	23.7	MM-R38-H32-R32-3700
	R32/R38	4305	14'1 5/8"	32	1 1/4"	27.6	MM-R38-H32-R32-4305
	R32/R38	4915	16'1 3/4"	32	1 1/4"	31.5	MM-R38-H32-R32-4915

## R32/T38

T38-H32-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32/T38	3700	12'1 5/8"	32	1 1/4"	23.7	MM-T38-H32-R32-3700
	R32/T38	4305	14'1 5/8"	32	1 1/4"	27.6	MM-T38-H32-R32-4305
	R32/T38	4915	16'1 3/4"	32	1 1/4"	31.5	MM-T38-H32-R32-4915


## R32/T38

T38-H35-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32/T38	3090	10'1 5/8"	35	1 1/4"	19.8	MM-T38-H35-R32-3090
	R32/T38	3700	12'1 5/8"	35	1 1/4"	23.7	MM-T38-H35-R32-3700
	R32/T38	4305	14'1 5/8"	35	1 1/4"	27.6	MM-T38-H35-R32-4305
	R32/T38	4915	16'1 3/4"	35	1 1/4"	31.5	MM-T38-H35-R32-4915
	R32/T38	5525	18'1 3/4"	35	1 3/8"	43.7	MM-T38-H35-R32-5525

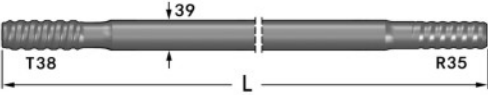


# DRIFTER ROD

## R35/T38

T38-H35-R35	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R35/T38	4305	14'1 5/8"	35	1 1/2"	34.1	MM-T38-H35-R35-4305
	R35/T38	4915	16'1 3/4"	35	1 3/8"	38.9	MM-T38-H35-R35-4915
	R35/T38	5525	18'1 3/4"	35	1 3/8"	43.7	MM-T38-H35-R35-5525
	R35/T38	6095	20'1 1/8"	35	1 3/8"	48.2	MM-T38-H35-R35-6095

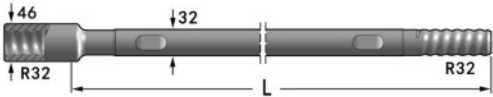
## R35/T38

T38-R39-R35	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R35/T38	4305	14'1 5/8"	39	1 1/2"	35.0	MM-T38-R39-R35-4305
	R35/T38	4915	16'1 3/4"	39	1 1/2"	39.9	MM-T38-R39-R35-4915
	R35/T38	5525	18'1 3/4"	39	1 1/2"	44.8	MM-T38-R39-R35-5525
	R35/T38	6095	20'1 1/8"	39	1 1/2"	49.5	MM-T38-R39-R35-6095


# MF ROD

MF ROD

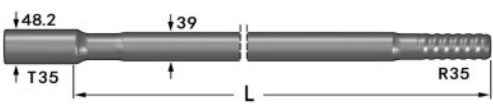
## R32

R32-R32-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32	915	3'	32	1 1/4"	6.2	MF-R32-R32-R32-915
	R32	1220	4'	32	1 1/4"	8	MF-R32-R32-R32-1220
	R32	1525	5'	32	1 1/4"	9.8	MF-R32-R32-R32-1525
	R32	1830	6'	32	1 1/4"	11.6	MF-R32-R32-R32-1830
	R32	2435	8'	32	1 1/4"	15.1	MF-R32-R32-R32-2435
	R32	3050	10'	32	1 1/4"	18.7	MF-R32-R32-R32-3050
	R32	3660	12'	32	1 1/4"	22.3	MF-R32-R32-R32-3660
	R32	3700	12' 1 5/8"	32	1 1/4"	9.4	MF-R32-R32-R32-3700
	R32	4305	14' 1 5/8"	32	1 1/4"	12.9	MF-R32-R32-R32-4305
	R32	4915	16' 1 3/4"	32	1 1/4"	17.4	MF-R32-R32-R32-4915
	R32	5525	18' 1 3/4"	32	1 1/4"	20.6	MF-R32-R32-R32-5525

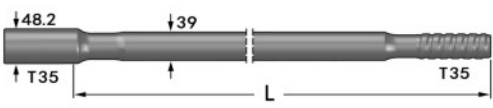
## R32/T38

T38-H35-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32/T38	3700	12' 1 5/8"	35	1 3/8"	31.3	MF-T38-H35-R32-3700
	R32/T38	4305	14' 1 5/8"	35	1 3/8"	36.1	MF-T38-H35-R32-4305
	R32/T38	4915	16' 1 3/4"	35	1 3/8"	40.9	MF-T38-H35-R32-4915
	R32/T38	5525	18' 1 3/4"	35	1 3/8"	45.7	MF-T38-H35-R32-5525

## R35/T35

T35-R39-R35	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R35/T35	4310	14' 1 5/8"	39	1 1/2"	37	MF-T35-R39-R35-4305
	R35/T35	4920	16' 1 3/4"	39	1 1/2"	41.9	MF-T35-R39-R35-4915
	R35/T35	5525	18' 1 3/4"	39	1 1/2"	46.8	MF-T35-R39-R35-5525
	R35/T35	6095	20' 1 1/8"	39	1 1/2"	51.5	MF-T35-R39-R35-6095


## T35

T35-R39-T35	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T35	1220	4'	39	1 1/2"	10.4	MF-T35-R39-T35-1220
	T35	1525	5'	39	1 1/2"	12.8	MF-T35-R39-T35-1525
	T35	1830	6'	39	1 1/2"	16.5	MF-T35-R39-T35-1830
	T35	3050	10'	39	1 1/2"	26.7	MF-T35-R39-T35-3050
	T35	3660	12'	39	1 1/2"	31.7	MF-T35-R39-T35-3660
	T35	4265	14'	39	1 1/2"	36.6	MF-T35-R39-T35-4265
	T35	4880	16'	39	1 1/2"	41.6	MF-T35-R39-T35-4880



# MF ROD

## T38

T38-R39-T38	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T38	915	3'	39	1 1/2"	8.4	MF-T38-R39-T38-915
	T38	1220	4'	39	1 1/2"	11.5	MF-T38-R39-T38-1220
	T38	1525	5'	39	1 1/2"	14.0	MF-T38-R39-T38-1525
	T38	1830	6'	39	1 1/2"	16.5	MF-T38-R39-T38-1830
	T38	3050	10'	39	1 1/2"	26.4	MF-T38-R39-T38-3050
	T38	3660	12'	39	1 1/2"	31.3	MF-T38-R39-T38-3660
	T38	4265	14'	39	1 1/2"	36.2	MF-T38-R39-T38-4265


## T45

T45-R46-T45	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T45	1525	5'	45	1 3/4"	18.7	MF-T45-R46-T45-1525
	T45	1830	6'	45	1 3/4"	22.1	MF-T45-R46-T45-1830
	T45	3050	10'	45	1 3/4"	35.8	MF-T45-R46-T45-3050
	T45	3660	12'	45	1 3/4"	42.6	MF-T45-R46-T45-3660
	T45	4265	14'	45	1 3/4"	49.4	MF-T45-R46-T45-4265
	T45	6095	20'	45	1 3/4"	70.0	MF-T45-R46-T45-6095

## T51

T51-R52-T51	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T51	1525	5'	51	2"	23.8	MF-T51-R52-T51-1525
	T51	1830	6'	51	2"	28.1	MF-T51-R52-T51-1830
	T51	3050	10'	51	2"	45.0	MF-T51-R52-T51-3050
	T51	3660	12'	51	2"	53.5	MF-T51-R52-T51-3660
	T51	4265	14'	51	2"	62.0	MF-T51-R52-T51-4265
	T51	6095	20'	51	2"	87.4	MF-T51-R52-T51-6095

## T60


T60-R60-T60	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T60	3660	12'	60	2 3/8"	73.0	MF-T60-R60-T60-3660
	T60	4265	14'	60	2 3/8"	82.0	MF-T60-R60-T60-4265
	T60	6095	20'	60	2 3/8"	110.0	MF-T60-R60-T60-6095

# GUIDE TUBE


## R32

R32-G46-R32	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	R32	1830	6'	46	1 3/4"	16.0	GT-R32-G46-R32-1830
	R32	3050	10'	46	1 3/4"	26.0	GT-R32-G46-R32-3050

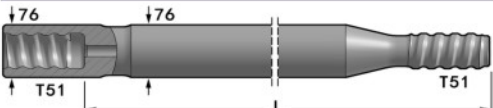
## T38

T38-G56-T38	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T38	1220	4'	56	1 13/64"	12.6	GT-T38-G56-T38-1220
	T38	1525	5'	56	1 13/64"	14	GT-T38-G56-T38-1525
	T38	1830	6'	56	1 13/64"	18.4	GT-T38-G56-T38-1830
	T38	3660	12'	56	1 13/64"	33.8	GT-T38-G56-T38-3660

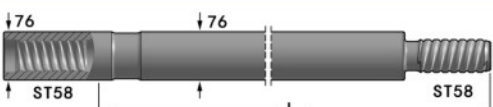
## T45

T45-G64-T45	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T45	1220	4'	64	2 1/2"	20.1	GT-T45-G64-T45-1220
	T45	1525	5'	64	2 1/2"	21.8	GT-T45-G64-T45-1525
	T45	1830	6'	64	2 1/2"	26.0	GT-T45-G64-T45-1830
	T45	3660	12'	64	2 1/2"	49.9	GT-T45-G64-T45-3660
	T45	3660	12'	76	3"	79.9	GT-T45-G64-T45-3660

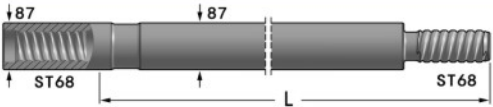
## T51

T51-G76-T51	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	T51	1830	6'	76	3"	40.0	GT-T51-G76-T51-1830
	T51	3660	12'	76	3"	79.1	GT-T51-G76-T51-3660
	T51	3660	12'	87	3 1/2"	90.9	GT-T51-G76-T51-3660

## ST58

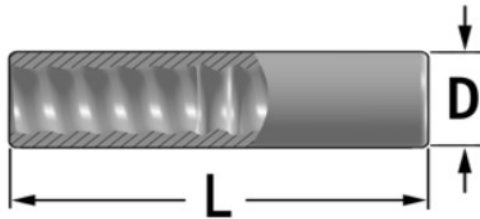
ST58-G76-ST58	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	ST58	1525	5'	76	3"	33.2	GT-ST58-G76-ST58-1525
	ST58	1830	6'	76	3"	41	GT-ST58-G76-ST58-1830

## ST68

ST68-G87-ST68	Thread	Length		Diameter		Weight	Part no.
		mm	ft/in	mm	inch	kg	
	ST68	1525	5'	87	3 1/2"	40	GT-ST68-G87-ST68-1525
	ST68	1830	6'	87	3 1/2"	47	GT-ST68-G87-ST68-1830

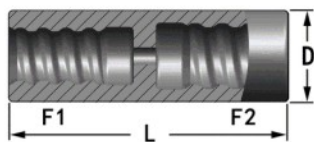


## COUPLING SLEEVE



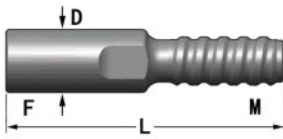
Thread	Length		Diameter		Weight kg	Part no.
	mm	ft/in	mm	inch		
R22	140	5 1/2"	32	1 1/4"	0.6	31-R22-32-140-23
R25	150	5 7/8"	35	1 3/8"	0.7	31-R25-35-150-23
R25	160	6 1/4"	35	1 3/8"	0.7	31-R25-35-160-23
R32	150	5 7/8"	44	1 23/32"	1	31-R32-44-150-23
R28	160	6 1/4"	41	1 5/8"	1	31-R28-41-150-23
R32	150	5 7/8"	44	1 23/32"	1	31-R32-44-150-23
R32	150	6"	45	1 3/4"	1.0	31-R32-45-150-23
R38	170	6 3/4"	55	2 5/32"	1.9	31-R38-55-170-23
T38	190	6 1/8"	55	2 5/32"	2.0	31-R38-55-190-23
R35	160	6 1/4"	48	1 7/8"	1.2	31-R35-48-160-23
T38	190	6 1/8"	55	2 5/32"	2	31-T38-55-190-23
R32	150	5 7/8"	44	1 23/32"	1.0	31-R32-44-150-23
T38	190	6 1/8"	55	2 5/32"	2	31-T38-55-190-23
T45	210	8 1/8"	63	2 15/32"	2.7	31-T45-63-210-23
T45	210	8 1/8"	66	2 5/8"	3.2	31-T45-66-210-23
T51	235	8 7/8"	72	2 7/8"	4.0	31-T51-72-235-23
T51	235	8 7/8"	77	3 1/32"	4.6	31-T51-77-235-23
T60	315	1' 3/8"	85	3 11/32"	7.9	31-T60-85-315-23
T60	315	1' 3/8"	89	3 1/2"	8.2	31-T60-89-315-23

## CROSSOVER COUPLINGS



Threads		Length		Diameter		Weight (Kg)	Part No.
F1	F2	mm	inch	mm	inch		
R25	R32	160	6 1/4"	43	1 3/4"	1.2	33-R25/R32-43-160-23
R28	R32	165	6 1/2"	44	1 3/4"	1.3	33-R28/R32-44-165-23
R32	R38	170	6 3/4"	55	2 5/32"	2.0	33-R32/R38-55-170-23
T38	R32	170	6 3/4"	55	2 5/32"	2.0	33-T38/R32-55-170-23
T38	R38	185	7 9/32"	55	2 5/32"	2.1	33-T38/R38-55-185-23
T38	T45	200	7 7/8"	58	2 9/32"	2.6	33-T38/R45-58-200-23
T45	T51	225	8 7/8"	72	2 27/32"	4.0	33-T45/T51-72-225-23

# BIT ADAPTERS



Wrech flat,mm	Threads		Length		Diameter		Weight	Part No.
	F	M	mm	inch	mm	inch		
38	R25	R32	185	7 9/32"	45	1 3/4"	1.3	34-R25/R32-45-185-23
38	R28	R32	230	9 1/16"	40	1 37/64"	1.4	34-R28/R32-40-230-23
38	R32	T38	225	8 55/64"	45	1 3/4"	1.9	34-R32/T38-45-225-23
38	R32	R38	225	8 55/64"	45	1 3/4"	1.8	34-R32/R38-45-225-23
38	T35	T38	250	9 27/32"	48	1 7/8"	1.9	34-T35/T38-48-250-23
44.5	R38	R32	245	9 21/32"	55	2 5/32"	2.3	34-R38/R32-55-245-23
44.5	R38	T38	245	9 21/32"	55	2 5/32"	2.4	34-R38/T38-55-245-23
44.5	T38	R32	270	10 41/64"	57	2 1/4"	2.6	34-T38/R32-57-270-23
44.5	T38	R38	280	11 1/32"	57	2 1/4"	3.2	34-T38/R38-57-280-23
44.5	T38	T45	285	11 7/32"	57	2 1/4"	3.3	34-T38/T45-57-285-23
44.5	T45	T38	265	10 7/32"	63	2 31/64"	2.9	34-T45/T38-63-265-23
44.5	T45	T51	285	11 7/32"	63	2 31/64"	3.7	34-T45/T51-63-285-23
44.5	T51	T45	285	11 7/32"	71	2 51/64"	4	34-T51/T45-71-285-23

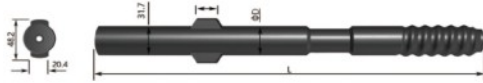


# SHANK ADAPTERS

## ATLAS COPCO

BBC43, 44, 45, 100

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	R32	380	32	2	4BBC43-32R32-0380-23



BBC51, 52, 54, 120

	R32	380	38	2.6	4BBC51-38R32-0380-23
	T38	390	38	3.1	4BBC51-38T38-0390-23



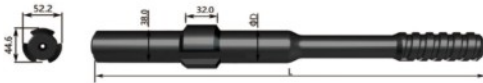
BBE57

	T38	537	45	5.3	4BBE57-45T38-0537-23
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COP125, 130, 131

	T38	380	38	3	4125-38T38-0380-23
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COP1032, 1032HD

	R32	340	45	3.4	41032-45T32-0340-23
	R38	340	55	4.1	41032-55R38-0340-23



COP1032

	R32	550	45	5	41032-45R32-0550-23
	R38	550	45	5.4	41032-45T38-0550-23



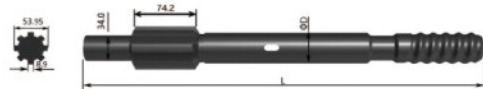
COP1036, 1038HB

	R32	500	38	4.1	41036-38R32-0500-23
	T38	500	38	4.5	41036-38T38-0500-23
	T45	500	45	5.1	41036-45T45-0500-23



COP1036, 1038, 1238, 1038HD, 1238HD

	R32	485	38	4	41036-38R32-0485-23
	R38	485	38	4.2	41036-38R38-0485-23
	T38	485	38	4.2	41036-38T38-0485-23



# SHANK ADAPTERS

## ATLAS COPCO

### COP1036, 1038, 1238

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	R32	575	38	4.7	41036-38R32-0575-23
	T38	575	38	4.9	41036-38T38-0575-23
	T45	575	45	5.8	41036-45T45-0575-23
	T38	435	38	4	41036-38T38-0435-23

### COP1432, 1532, 1440, 1838HD/ME

	R32	435	38	3.8	41432-38R32-0435-23
	R38	435	38	3.9	41432-38R38-0435-23
	T35	435	38	3.8	41432-38T35-0435-23
	T38	435	38	3.9	41432-38T38-0435-23
	R32	525	38	4.1	41432-38R32-0525-23
	T35	525	38	4.2	41432-38T35-0525-23
	T38	525	38	4.4	41432-38T38-0525-23

### COP1432 Female

	R32	341	55	4.7	41432-55R32-0341-23
	R38	341	55	4.4	41432-55R38-0341-23

### COP1132

	R32	500	35	3.1	41132-35R32-0500-23
	Tc35	410	35	2.6	41132-35TC35-0500-23

### COP1838MUX/HUX

	Tc35	730	52	9.5	41838-52TC35-0730-23
	T38	730	52	9.6	41838-52T38-0730-23
	T45	730	52	9.9	41838-52T45-0730-23

### COP1440, 1550, 1838ME/HE, 1838

	R32	525	52	5.7	41440-52R32-0525-23
	T38	525	52	5.9	41440-52T38-0525-23
	TC35	525	52	5.8	41440-52TC35-0525-23
	T45	525	52	6.1	41440-52T45-0525-23
	T51	525	52	6.5	41440-52T51-0525-23

### COP1550EX, 1838EX

	T38	730	60	9.8	41550-60T38-0730-23
	T45	730	60	10.2	41550-60T45-0730-23

# SHANK ADAPTERS

## ATLAS COPCO

### COP1840HE, 1850

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	T35	565	52	6.6	41840-52T35-0565-23
	T38	565	52	6.7	41840-52T38-0565-23
	T45	565	52	6.9	41840-52T45-0565-23
	T51	565	52	7.2	41840-52T51-0565-23

### COP1840HEX, 1850EX

	T45	770	60	10.8	41840-60T45-0770-23
	T51	770	60	10.9	41840-60T51-0770-23

### COP2150, 2550

	T51	770	52	9.9	42150-52T51-0770-23
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### COP2160, 2560

	T51	770	60	11.2	42160-60T51-0770-23
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### COP2160EX

	T45	770	63	13.2	42160-63T45-0770-23
	T51	770	63	13.3	42160-63T51-0770-23

### COP4050

	T51	605	52	8.9	44050-52T51-0605-23
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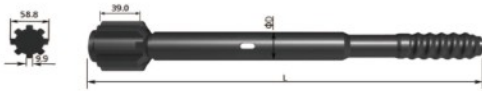
# SHANK ADAPTERS

## SANDVIK

### HL300

Type

Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
R32	400	32	2.6	4HL300-32R32-0400-23



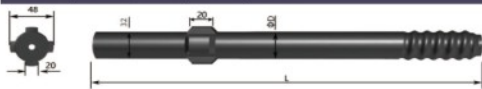
### HL300S

R32	245	45	2.6	4HL300-45R32-0245-23
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### L400, L410, L500, L510, L550

R32	380	32	2.1	4HL400-32R32-0380-23
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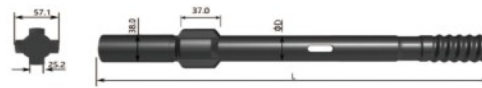
### HLR438L, 438T

R32	380	38	2.7	4HLR438-38R32-0380-23
T38	400	38	3.3	4HLR438-38T38-0400-23



### HLR438LS, 438TS, 538, 538L, L550S

R32	450	38	3.7	4HLR438-38R32-0450-23
R38	450	38	4.1	4HLR438-38R38-0450-23
T38	455	38	4	4HLR438-38T38-0450-23
T38	495	38	4.7	4HLR438-38T38-0495-23



### HL500, 510

R32	550	45	5.4	4HL500-45R32-0550-23
T38	550	45	5.6	4HL500-45T38-0550-23
T45	550	45	5.9	4HL500-45T45-0550-23



### HL500S, 510S, 510B, 510LH

R32	460	38	3.9	4HL500-38R32-0460-23
R38	460	38	4.2	4HL500-38R38-0460-23
T38	460	38	4	4HL500-38T38-0460-23
R38	500	38	4.4	4HL500-38R38-0500-23
T38	500	38	4.3	4HL500-38T38-0500-23



### HL500F, 520F

R32	350	45	3.9	4HL500-45R32-0350-23
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### HL550SUPER, 560SUPER, 510S

R32	500	45	5.2	4HL550-45R38-0500-23
T38	500	45	5.3	4HL550-45T38-0500-23



# SHANK ADAPTERS

## SANDVIK

HLX5, HLX5T					
Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	R32	500	45	5.1	4HLX5-45R32-0500-23
	T38	500	45	5.3	4HLX5-45T38-0500-23
	R38	500	45	5.3	4HLX5-45R38-0500-23
	R32	575	45	5.4	4HLX5-45R32-0575-23
	T38	575	45	5.7	4HLX5-45T38-0575-23
	T45	575	45	6.2	4HLX5-45T45-0575-23
HL600, HL600S					
	R32	600	45	6.3	4HL600-45R32-0600-23
	T38	600	45	5.9	4HL600-45T38-0600-23
	T45	600	45	6.5	4HL600-45T45-0600-23
	T38	525	45	5.5	4HL600-45T38-0525-23
	T45	525	45	5.8	4HL600-45T45-0525-23
HL600					
	T45	650	52	7.6	4HL600-52T45-0650-23
	T51	650	52	8.1	4HL600-52T51-0650-23
HL645					
	T38	600	45	6.6	4HL645-45T38-0600-23
	T45	600	45	6.9	4HL645-45T45-0600-23
HL650, HL700, HL700T, HL710, HL800T					
	T38	600	45	7	4HL650-45T38-0600-23
	T45	600	45	7.2	4HL650-45T45-0600-23
HL650, HL700, HL700PE, HL700S, HL710, HL710S, HL710PE, HL710SPE, HL800T, HL800PE					
	T38	600	52	8	4HL650-52T38-0600-23
	T45	600	52	8.5	4HL650-52T45-0600-23
	T51	600	52	8.5	4HL650-52T51-0600-23
HL850S					
	T45	670	52	9.5	4HL850-52T45-0670-23
HL1000, HL1000S					
	T45	670	52	9.7	4HL1000-52T45-0670-23
	T51	670	52	10	4HL1000-52T51-0670-23
	T45	590	52	8.9	4HL1000-52T45-0590-23
	T51	590	52	9.3	4HL1000-52T51-0590-23

# SHANK ADAPTERS

## SANDVIK

### HL1000

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	T51	670	60	12	4HL1000-60T51-0670-23
	GT60	670	60	13	4HL1000-60GT60-0670-23
	St58	635	80	17	4HL1000-60ST58-0635-23

### HL1000PE, HL1500PE, HL1560T

	T51	760	65	16	4HL1000-65T51-0760-23
	Gt60	760	65	17	4HL1000-65GT60-0760-23

### HL1500, HL1500T

	T51	710	52	11	4HL1500-52T51-0710-23
	T51	760	60	13	4HL1500-60T51-0760-23
	Gt60	760	60	15	4HL1500-60GT60-0760-23

### RD520, RD525

	T38	525	45	5.6	4RD520-45T38-0525-23
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# SHANK ADAPTERS

## FURUKAWA

PD 200					
Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	R32	330	45	3	4PD200-45R32-0330-23
	T38	380	45	3.6	4PD200-45T38-0380-23
	T38	446	45	4	4PD200-45T38-0446-23

PD 200R					
	T38	485	45	5.2	4PD200-45T38-0485-23

HD 300					
	T38	655	45	6	4HD300-45T38-0655-23
	T45	655	45	6.7	4HD300-45T45-0655-23

HD 609					
	T38	620	45	6	4HD609-45T38-0620-23
	T38	690	45	6.4	4HD609-45T38-0690-23
	T45	620	45	6.3	4HD609-45T45-0620-23
	T45	710	51	8.9	4HD609-51T45-0710-23

HD 612					
	T45	710	51	8.9	4HD612-51T45-0710-23

HD 709					
	T36	620	45	6.3	4HD709-45T36-0620-23

HD 712					
	T45	790	51	9.5	4HD712-51T45-0790-23
	T51	790	51	10.8	4HD712-51T51-0790-23

# SHANK ADAPTERS

## MONTABERT

### H100

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	T38	537	45	5.3	4H100-45T38-0537-23

### HC40

	R32	447	38	3.5	4HC40-38R32-0447-23
	R38	447	38	4	4HC40-38R38-0447-23

### HC40 FEMALE

	R32	270	52	2.9	4HC40-52R32-0270-23
	R38	320	55	4.1	4HC40-55R38-0320-23

### HC80, HC90, HC105, HC120

	R32	440	38	3.6	4HC80-38R32-0440-23
	R38	440	38	3.9	4HC80-38R38-0440-23
	T38	440	38	3.9	4HC80-38T38-0440-23
	T38	500	38	4.2	4HC80-38T38-0500-23

### HC80R, HC105R, HC107R, HC108R, HC109R

	T38	670	45	7.2	4HC80-45T38-0670-23
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### HC80, HC120

	T45	490	45	5.6	4HC80-45T45-0490-23
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### HC120RP, HC150RP, HC155RP, HC158RP

	T51	670	51	8.9	4HC120RP-51T51-0670-23
	T45	670	51	8.8	4HC120RP-51T45-0670-23

### HC200

	T51	840	51	13.2	4HC200-51T51-0840-23
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# SHANK ADAPTERS

## MONTABERT

### HC200A

Type	Thread (mm)	Length (mm)	Dia (mm)	Weight (kg)	Part no.
	Gt60	850	60	16.8	4HC200A-60GT60-0850-23

### HC160, HC170

	T45	805	60	14.8	4HC160-60T45-0805-23
	T51	805	60	14.9	4HC160-60T51-0805-23

## INGERSOLL-RAND

### URD475, URD550, VL120, EVL130, VL140, F16

	R32	330	45	3	4URD475-45R32-0330-23
	R32	380	45	4.1	4URD475-45R32-0380-23
	T38	380	45	3.6	4URD475-45T38-0380-23
	T38	446	45	4	4URD475-45T38-0446-23

### YH65, YH80

	T38	495	45	5.4	4YH65-45T38-0495-23
	T45	495	45	5.5	4YH65-45T45-0495-23

### YH80A

	T45	495	51	6.1	4YH80A-51T45-0495-23
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### YH65RP, YH70RP, YH75RP, YH80RP

	T38	700	45	7.8	4YH65RP-45T38-0700-23
	T45	700	45	7.9	4YH65RP-45T45-0700-23

### HYDRASTAR 200

	R32	351	45	3.7	4HS200-45R32-0351-23
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