



HARDROCK MINING TOOLS

ROCK TOOLS



PRODUCT CATALOGUE

TAPER EQUIPMENT

TAPER BITS

SIZE (mm)	Face Profile	Taper	Buttons Quantity	Flushing
32	Flat	11 °	2*7	1F / 1G
34	Flat	11 °	2*7	1F / 1G
36	Flat	11 °	2*7	1F / 1G
36	Flat	11 °	2*7	2F / 1G
38	Flat	11 °	2*7	2F / 1G
40/41	Flat	11 °	2*8	2F / 1G



DIRECTIONAL BITS

SIZE (mm)	Face Profile	Taper	Chisel Insert	Flushing
38	Chisel	11 °	38mm x 10	1G
40/41	Chisel	11 °	41mm x 10	1G



TAPER EQUIPMENT

TAPER STEELS



22MM HEX 11 ° FORGED COLLAR

Length	108 Shank	159 Shank	Caburized Steel
0.6		X	
1.0	X	X	X
1.3	X	X	X
1.5	X	X	X
1.8	X	X	X
2.1	X	X	X
2.3	X	X	X
3.0	X	X	X
3.3	X	X	X

22MM HEX 11 ° RUBBER COLLAR

Length	108 Shank	159 Shank	Caburized Steel
0.6			
1.0		X	
1.3		X	
1.5		X	
1.8		X	
2.1		X	
2.3		X	
3.0		X	
3.3		X	

THREADED BITS



SIZE (mm)	Face Profile	R25 Thread	R28 Thread	Buttons Quantity R25	Buttons Quantity R28
33	Flat			2*7	2*7
35	Flat	X		2*7	2*8
38	Flat	X	X	2*8	2*8
41	Flat	X	X	3*9	2*9
43	Flat	X	X	3*9	2*7
45	Flat	X	X	3*9	2*8
41	Cross		X	n/a	n/a

R32 THREADED BITS				
SIZE (mm)	Face Profile	Button Profile	Buttons Quantity	Flushing
45	Flat	Parabolic	2*8	3F / 2G
45	Flat	Hemi	3*9	3F / 2G
48	Flat	Parabolic	3*9	3F / 2G
51	Flat	Hemi	3*9	3F / 2G
54	Flat	Hemi	3*9	3F / 2G
57	Flat	Hemi	3*9	3F / 2G
64	Flat	Ballistic	3*11	2F
76	Flat	Hemi	4*10	2F
51	Cross	n/a	n/a	n/a
54	Cross	n/a	n/a	n/a
57	Cross	n/a	n/a	n/a

REAMER BITS

Applications

- Large diameter service holes from level to level for drainage, electrical cable or pipe lines.
- Reaming cut holes for development rounds and for long hole blasting of drop raises



Size (Mm)	Gauge Buttons	Top Buttons	Flushing
54MM	11*12 Dome	1*12 Dome	1F
64MM	11*12 Dome	1*12 Dome	1F
76MM	12*12 Dome	1*12 Dome	2F
102MM	12*16 Dome		2F



Extension & Tunneling Rods



ROD FEATURES

- Cross-section profile - round or hexagon.
- Heat treatment can be applied to the rod to increase performance and durability.
- Rod ends - collared and tapered, or threaded male and female.
- Length - driven by application requirements

ROD ENDS & THREAD TYPES

Male/Female Rods	<ul style="list-style-type: none">• More efficient drilling with the elimination of a separate coupling• Used primarily for long-hole applications.
Male/Male Rods	<ul style="list-style-type: none">• Traditional rod used with a coupling.• Used for single pass, tunneling/drifting/ bolting, and long hole applications.
R Thread (Rope)	<ul style="list-style-type: none">• Sizes: 25mm - 32mm• Ideal for single pass or short hole drilling such as underground tunneling applications that require infrequent uncoupling.
HM (T) Thread	<ul style="list-style-type: none">• Sizes: 35mm - 60mm• Ideal for extension drilling with multiple steel.• Greater torque capacity.

Extension & Tunneling Rods

ROD ENDS & THREAD TYPES

Length	Shank Thread	Bit Thread	Cross Section Profile	Rod Type	Rod Type
1.0M	R32	R25	M/M	22H/ 25H	EXTENSION
1.0M	R32	R32	M/M	25H	EXTENSION
1.0M	R32	R28	M/M	25H	EXTENSION
1.0M	R32	R32	M/M	32H	EXTENSION
1.2M	R32	R28	M/F	32H	EXTENSION
1.2M	R39	T38	M/F	R39	EXTENSION
1.2M	R32			35H	GUIDE ROD
1.8M	R39	T38	M/F	R39	EXTENSION
3.1M	R32	R32		35H	TUNNELING
3.1M	T38	T38		R39	TUNNELING
3.1M	R32	T38		35H	TUNNELING
3.1M	52 R	T51	M/M	52R	SURFACE
3.66M	52R	T51	M/M	52R	SURFACE
3.66M	52R	T51	M/F	52R	SURFACE
3.7M	R32	T38	M/F	35H	TUNNELING
3.7M	R32	R25	M/M	25H	TUNNELING

Couplings & Adaptors



Male Shank Adapters	Better suited for drifting, tunneling and extension applications where high bending stresses are present
Female Shank Adapters	Ideal when the drilling space is limited and the total feed length is important (i.e., underground roof bolting).
Internal Flushing	Uses a water tube that fits through the centre of the drill and into an o-ring seal in the end of the shank, to transfer flushing into the drill string.
External Flushing	Holes or a slot are required in the side of the shank adapter. These line up between seals inside the front head or water box of the rockdrill when the shank is installed. Flushing medium is supplied directly to this device and is introduced into the drill string through the shank. Greater volumes of flushing agent can be delivered with less risk of leakage and hammer damage from the water.

Outer Diameter	Length	A Thread (Female)	B Thread (Female)
35mm	150mm	R25	R25
45mm	155mm	R32	R32
54mm	175mm	T38	T38
63mm	210mm	T45	T45
45mm	210mm	R32	R25

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Outer Diameter	Length	A Thread (Female)	B Thread (Female)
8MM SEAL SHANK	380	4	R32
11MM SEAL SHANK	380	4	R32
8MM SEAL SHANK	380	4	R32
14MM SEAL SHANK	380	4	T38



Thank You for exploring our collection

**FOR MORE INFORMATION OR TO PLACE AN
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