MAXDRILL

TOPHAMMER
DRILLING TOOLS



MAXDRILL

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CONTENTS

Information & classification guides ---- 04

Small hole drilling ---- 12

Drifting & tunneling ---- 24

Bench & long hole drilling ---- 62

Auxiliary tools ---- 90

Shank Adapter ---- 96

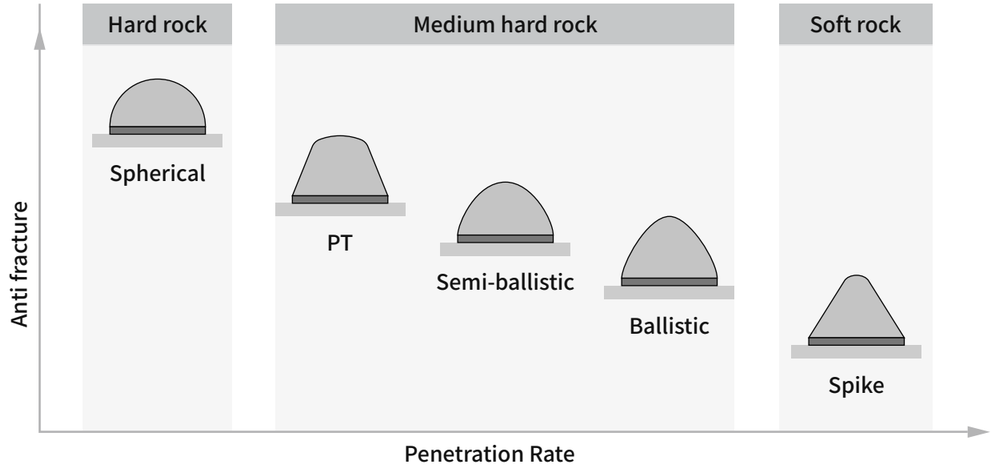
Information & classification guides

Drill bit selection guide ---------- 6

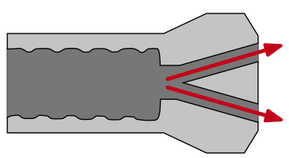
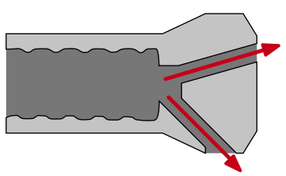
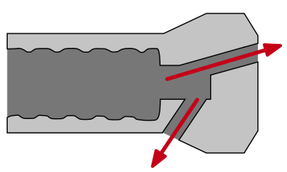
Guide of product code ---------- 8

Drill bit selection guide

Carbide feature

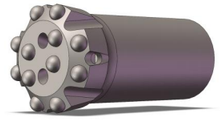


Flushing hole type

Face flushing	Face + Side flushing	Face + Reverse flushing
		
Design for efficient flushing. (Standard flushing hole design)	Design for dispersed flushing	Design for efficient flushing at the rear of the tool.

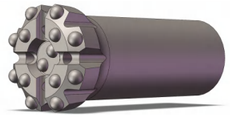
Skirt type

Flat front / Standard skirt



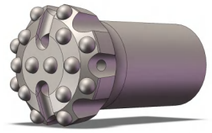
Ideal for medium-hard rock when the rock formation causes heavy gauge wear on the bit. Can also be used in very hard and abrasive rock formations.

D: Drop center / Standard skirt



Perfect in abrasive formations where there is accelerated button wear or in medium to hard rock when ballistic buttons have a tendency to break.

C: Convex front / Standard skirt



This convex face offers optimal resistance to erosion and wear, effectively reducing the load and wear on the gauge button, and provides excellent drilling penetration rates; however, compared to other design profiles, high penetration rate but poorhole deviation control.

DR: Drop center / Retrac skirt



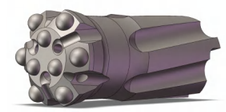
To be used in medium-hard and fissured rock formations, better hole deviation control.

R: Flat front / Retrac skirt



To be used in the same applications as flat front/spherical buttons/standard skirt when you have also created a hole.

HR: Flat front / Spiral retrac skirt



Smoother cuttings removal, reducing the need for repeated crushing: The spiral retrac design provides a wider, more streamlined cuttings removal channel. This allows compressed air or water to blow cuttings away from the bottom of the hole more efficiently, preventing them from being repeatedly ground up and thereby increasing drilling speed.

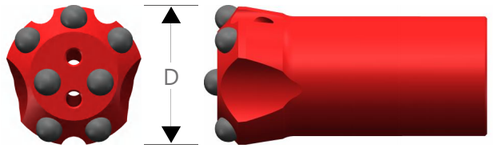
AF: Flat front / Retrac skirt



Optimized grooves between carbide buttons enhance flushing efficiency by improving airflow and water flow channels. The design enables faster removal of rock cuttings, reducing recirculation and carbide wear while extending bit service life and improving drilling performance.

Guide of product code

Tapered bits (i.e. 30322207-06)



30 32 22 07 - 06

- 30: Button bit / 32: Cross bit
- Diameter
- 22：Hex.22mm / 25：Hex.25mm
- Buttons
- Degree

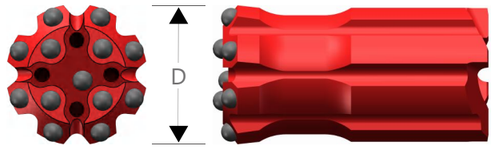
Tapered drill rods (i.e. 1022060011)



10 22 0600 11

- 10: Tapered drill rods
- 22：Hex.22mm / 25：Hex.25mm
- Length: 600mm
- Degree

Thread bits (i.e. 3089T51AF13R-40)



30 89 T51 AF 13 R - 40

- 30: Button bit / 32: Cross bit
- Diameter
- Thread
- A: Flushing groove / AF: Through flushing groove
- Buttons
- R: Retrac skirt / D: Drop center design / DR: Drop center retrac skirt / HR: Spiral retrac skirt / KP: Pilot adapter / KR: Reaming bit / KD: Dome reaming bit / KC: Hole opener reaming bit
- Front flushing hole
- Gauge flushing hole

Drifter rods (i.e. 2132T38R323100)

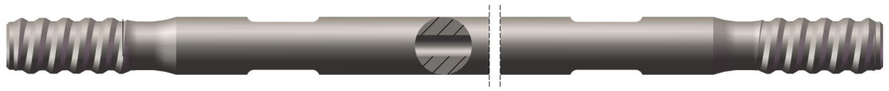


21 32 T38 R32 3100

- 20: Round / 21: Hexagon / 22: Guide tube / 24: Drill tube
- Diameter
- Thread
- Thread
- Length: 3100mm

Guide of product code

Extension rods (i.e. 2038T383050)



20	38	T38	3050
20: Round 21: Hexagon 22: Guide tube 24: Drill tube	Diameter	Thread	Length: 3050mm

MF rods (i.e. 2038T38MF3050)



20	38	T38	MF	3050
20: Round 21: Hexagon 22: Guide tube 24: Drill tube	Diameter	Thread	MF: MF Rod DMF: DMF Rod RDMF: RDMF Rod	Length: 3050mm

Shank adapters (i.e. 60W380-2-R32D3801)



60	W380	-2-	R32	D38	01
60: Shank adapter	Length: 380mm	Spline	Thread	Diameter	01: EPIROC 02: SANDVIK 03: FURUKAWA 04: MONTABERT 05: INGERSOLL-RAND 06: KRUPP 07: HYDRASTAR

Small hole Drilling

Plug hole steels ---------- 14

Integral drill steels ---------- 15

Tapered drilling tools, 6° taper ---- 16

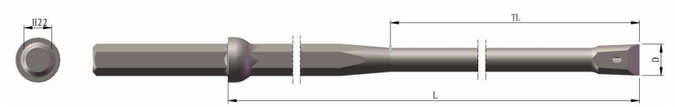
Tapered drilling tools, 7° taper ---- 18

Tapered drilling tools, 11° taper --- 20

Tapered drilling tools, 12° taper --- 22

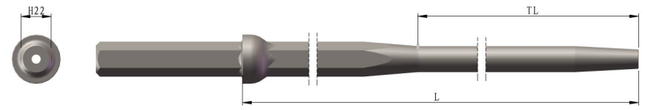
Plug hole steels

Plug hole steel



Type	Effective Length			Hex.		Weight	Diameter		Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	(mm)	(in)	
H22×108mm	360	1	2 3/16	22	7/8	1.5	25	1	01H22036025
	760	2	5 15/16	22	7/8	2.8	25	1	01H22076025

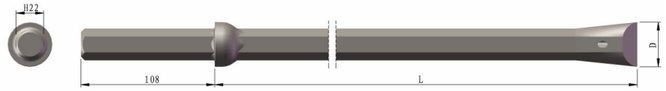
Plug hole steel



Type	Effective Length			Hex.		Weight	Degree	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)		
H22×108mm	360	1	2 3/16	22	7/8	1.5	6°	01H22036006
	760	2	5 15/16	22	7/8	2.7	6°	01H22076006

Integral drill steels

Integral drill steel



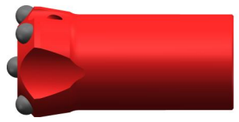
Type	Series	Effective Length			Hex.		Diameter		Weight	Part no.
		(mm)	(ft)	(in)	(mm)	(in)	(mm)	(in)	(kg)	
H22×108mm	11	800	2	7 1/2	22	7/8	34	1 11/32	3.0	00H22080034
		1600	5	3	22	7/8	33	1 5/16	5.5	00H22160033
		3200	10	6	22	7/8	31	1 7/32	10.3	00H22320031
		4000	13	1 1/2	22	7/8	30	1 3/16	12.8	00H22400030
	12	800	2	7 1/2	22	7/8	40	1 9/16	3.0	00H22080040
		1600	5	3	22	7/8	39	1 17/32	5.5	00H22200039
		3200	10	6	22	7/8	37	2 7/16	10.3	00H22320037
		4000	13	1 1/2	22	7/8	36	1 7/16	12.8	00H22400036
	13	400	1	3 3/4	22	7/8	34	1 11/32	1.8	00H22040034
		800	2	7 1/2	22	7/8	33	1 5/16	3.0	00H22080033
		1220	4	-	22	7/8	32	1 1/4	4.2	00H22122032
	16	600	1	11 5/8	22	7/8	35	1 3/8	2.4	00H22060035
		1220	4	-	22	7/8	34	1 11/32	4.2	00H22122034
		2400	7	10 1/2	22	7/8	32	1 1/4	7.9	00H22240032
	17	600	1	11 5/8	22	7/8	41	1 5/8	2.4	00H22060041
		1220	4	-	22	7/8	40	1 9/16	4.2	00H22122040
		1600	5	3	22	7/8	28	1 1/8	5.5	00H22160028
		2000	6	6 3/4	22	7/8	33	1 5/16	6.7	00H22200033
		2400	7	10 1/2	22	7/8	38	1 1/2	7.9	00H22240038

Tapered bit - Hex22




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-06
32	1 1/4	2×7	4×7	2	0	0.25	30322206-06
33	1 5/16	2×7	4×7	2	0	0.27	30332206-06

Tapered bit - Hex22

32	1 1/4	2×7	5×7	2	2	0.27	30322207-06
34	1 11/32	2×7	5×7	2	2	0.31	30342207-06
36	1 7/16	2×7	5×7	2	2	0.35	30362207-06
38	1 1/2	2×7	5×8	2	2	0.41	30382207-06
40	1 37/64	2×8	5×8	2	2	0.45	30402207-06
42	1 21/32	2×8	5×9	2	2	0.51	30422207-06

Tapered bit - Hex22




33	1 5/16	2×7	6×7	2	2	0.30	30332208-06
35	1 3/8	2×7	6×7	2	2	0.34	30352208-06
38	1 1/2	2×7	6×8	2	2	0.38	30382208-06

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	800	2	7 1/2	22	7/8	2.9	1022080006
	1220	4	-	22	7/8	4.1	1022122006
	1525	5	-	22	7/8	5.1	1022152506
	1830	6	-	22	7/8	6.0	1022183006
	2440	8	-	22	7/8	7.9	1022244006
	3200	10	6	22	7/8	10.2	1022320006
	4000	13	1 1/2	22	7/8	12.6	1022400006

Tapered drilling tools

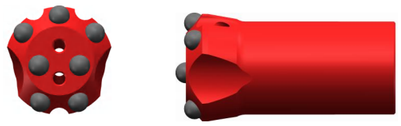
7° taper

Tapered bit - Hex22



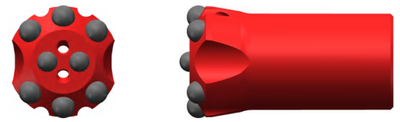
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-07
32	1 1/4	2×7	4×7	2	0	0.24	30322206-07
33	1 5/16	2×7	4×7	2	0	0.26	30332206-07

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-07
34	1 11/32	2×7	5×7	2	2	0.31	30342207-07
36	1 7/16	2×7	5×7	2	2	0.35	30362207-07
38	1 1/2	2×7	5×8	2	2	0.41	30382207-07
40	1 37/64	2×8	5×8	2	2	0.45	30402207-07
42	1 21/32	2×8	5×9	2	2	0.51	30422207-07

Tapered bit - Hex22



33	1 5/16	2×7	6×7	2	2	0.30	30332208-07
35	1 3/8	2×7	6×7	2	2	0.34	30352208-07
38	1 1/2	2×7	6×8	2	2	0.38	30382208-07

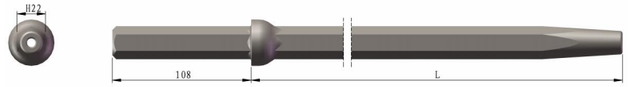
Tapered bit - Hex25



Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	2	2	0.27	30412507-07
43	1 11/16	2×8	5×9	2	2	0.29	30432507-07
45	1 3/4	2×8	5×9	2	2	0.31	30452507-07

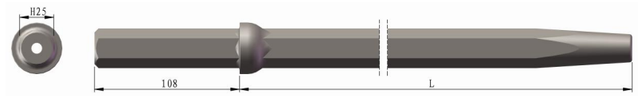
Tapered drilling tools
7° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	800	2	7 1/2	22	7/8	2.9	1022080007
	1220	4	-	22	7/8	4.1	1022122007
	1525	5	-	22	7/8	5.1	1022152507
	1830	6	-	22	7/8	6.0	1022183007
	2440	8	-	22	7/8	7.9	1022244007
	3200	10	6	22	7/8	10.2	1022320007
	4000	13	1 1/2	22	7/8	12.6	1022400007

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H25×108mm	800	2	7 1/2	25	1	3.7	1025080007
	1220	4	-	25	1	5.4	1025122007
	1600	5	3	25	1	6.6	1025160007
	1830	6	-	25	1	7.8	1025183007
	2440	8	-	25	1	10.2	1025244007
	3200	10	6	25	1	13.3	1025320007

Tapered rod



H25×159mm	800	2	7 1/2	25	1	3.9	1025080007-2
	1220	4	-	25	1	5.6	1025122007-2
	1600	5	3	25	1	6.8	1025160007-2
	1830	6	-	25	1	8.0	1025183007-2
	2440	8	-	25	1	10.4	1025244007-2
	3200	10	6	25	1	13.5	1025320007-2

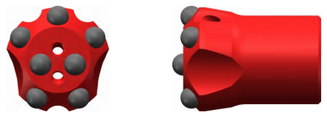
Tapered drilling tools
11° taper

Tapered bit - Hex22



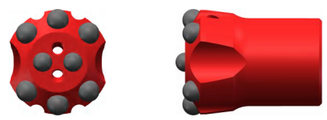
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-11
32	1 1/4	2×7	4×7	2	0	0.24	30322206-11
33	1 5/16	2×7	4×7	2	0	0.26	30332206-11

Tapered bit - Hex22



32	1 1/4	2×7	5×7	2	2	0.27	30322207-11
34	1 11/32	2×7	5×7	2	2	0.31	30342207-11
36	1 7/16	2×7	5×7	2	2	0.35	30362207-11
38	1 1/2	2×7	5×8	2	2	0.41	30382207-11
40	1 37/64	2×8	5×8	2	2	0.45	30402207-11
42	1 21/32	2×8	5×9	2	2	0.51	30422207-11

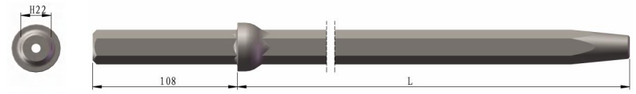
Tapered bit - Hex22



33	1 5/16	2×7	6×7	2	2	0.30	30332208-11
35	1 3/8	2×7	6×7	2	2	0.34	30352208-11
38	1 1/2	2×7	6×8	2	2	0.38	30382208-11

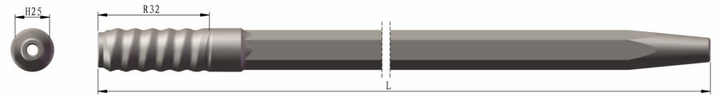
Tapered drilling tools
11° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	610	2	-	22	7/8	2.3	1022061011
	800	2	7 1/2	22	7/8	2.9	1022080011
	1220	4	-	22	7/8	4.1	1022122011
	1525	5	-	22	7/8	5.1	1022152511
	1600	5	3	22	7/8	5.3	1022160011
	1830	6	-	22	7/8	6.0	1022183011
	2000	6	6 3/4	22	7/8	6.5	1022200011
	2440	8	-	22	7/8	7.9	1022244011
	3050	10	-	22	7/8	9.7	1022305011

Shank rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R32-H25-11°	2200	7	2 5/8	25	1	8.7	**11252200R3211**

Tapered drilling tools
12° taper



Tapered bit - Hex22

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
30	1 3/16	2×7	4×7	2	0	0.22	30302206-12
32	1 1/4	2×7	4×7	2	0	0.24	30322206-12
33	1 5/16	2×7	4×7	2	0	0.26	30332206-12



Tapered bit - Hex22

32	1 1/4	2×7	5×7	2	2	0.27	30322207-12
34	1 11/32	2×7	5×7	2	2	0.31	30342207-12
36	1 7/16	2×7	5×7	2	2	0.35	30362207-12
38	1 1/2	2×7	5×8	2	2	0.41	30382207-12
40	1 37/64	2×8	5×8	2	2	0.45	30402207-12
42	1 21/32	2×8	5×9	2	2	0.51	30422207-12

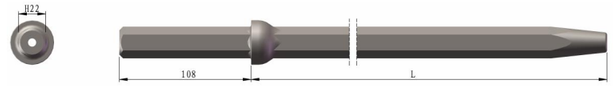


Tapered bit - Hex22

33	1 5/16	2×7	6×7	2	2	0.30	30332208-12
35	1 3/8	2×7	6×7	2	2	0.34	30352208-12
38	1 1/2	2×7	6×8	2	2	0.38	30382208-12

Tapered drilling tools
12° taper

Tapered rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	610	2	-	22	7/8	2.3	1022061012
	800	2	7 1/2	22	7/8	2.9	1022080012
	1220	4	-	22	7/8	4.1	1022122012
	1525	5	-	22	7/8	5.1	1022152512
	1600	5	3	22	7/8	5.3	1022160012
	1830	6	-	22	7/8	6.0	1022183012
	2000	6	6 3/4	22	7/8	6.5	1022200012
	2440	8	-	22	7/8	7.9	1022244012
	3050	10	-	22	7/8	9.7	1022305012
	3660	12	-	22	7/8	11.6	1022366012
	4000	13	1 1/2	22	7/8	12.6	1022400012



Drifting & tunneling

H25(1″) ---------- 26
Thread

R23(7/8″) ---------- 28
Thread

R25(1″) ---------- 30
Thread

R28(1 1/8″) ---------- 34
Thread

R32(1 1/4″) ---------- 36
Thread

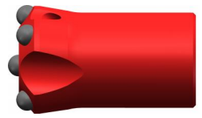
TR32(1 1/4″) ---------- 44
Thread

R33(1 5/16″) ---------- 50
Thread

TR35(1 3/8″) ---------- 56
Thread

Button bit

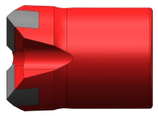




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
38	1 1/2	2×7	5×8	2	2	0.36	3038H2507
41	1 5/8	2×8	5×9	2	2	0.40	3041H2507
45	1 3/4	2×8	5×9	2	2	0.43	3045H2507
48	1 7/8	2×9	5×11	2	2	0.45	3048H2507
51	2	2×10	5×11	2	2	0.48	3051H2507

Cross bit

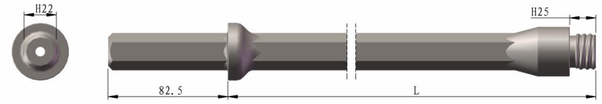




Diameter		Weight	Part no.
(mm)	(in)	(kg)	
35	1 3/8	0.50	3235H25
38	1 1/2	0.60	3238H25
41	1 5/8	0.70	3241H25
44	1 3/4	0.80	3244H25
48	1 7/8	0.90	3248H25
51	2	1.10	3251H25
64	2 1/2	1.80	3264H25

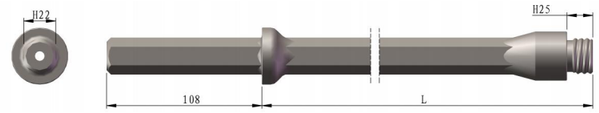
H25 (1″)
Thread

Shank rod



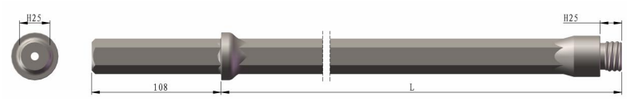
Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×82.5mm	458	1	6	22	7/8	2.1	11220458H25-1
	610	2	-	22	7/8	2.5	11220610H25-1
	1830	6	-	22	7/8	6.2	11221830H25-1

Shank rod



H22×108mm	458	1	6	22	7/8	2.2	11220458H25
	610	2	-	22	7/8	2.7	11220610H25
	915	3	-	22	7/8	3.6	11220915H25
	1220	4	-	22	7/8	4.5	11221220H25
	1525	5	-	22	7/8	5.5	11221525H25
	1830	6	-	22	7/8	6.4	11221830H25
	2440	8	-	22	7/8	8.3	11222440H25

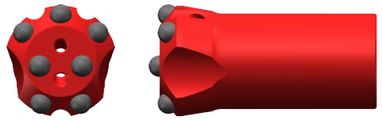
Shank rod



H25×108mm	458	1	6	25	1	1.8	11250458H25
	610	2	-	25	1	2.4	11250610H25
	915	3	-	25	1	3.6	11250915H25
	1220	4	-	25	1	4.8	11251220H25
	1525	5	-	25	1	6.1	11251525H25
	1830	6	-	25	1	7.3	11251830H25
	2440	8	-	25	1	9.7	11252440H25

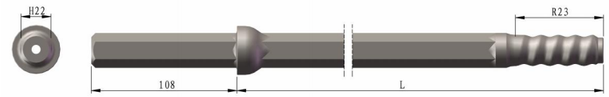
Guide
Small hole drilling
Drifting & tunneling
Bench & long hole drilling
Auxiliary tools
Shank adapter

Button bit



Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
33	1 5/16	2×7	5×7	2	2	0.30	3033R2307-22
35	1 3/8	2×7	5×8	2	2	0.36	3035R2307-22
38	1 1/2	2×7	5×9	2	2	0.40	3038R2307-22
41	1 5/8	2×8	5×9	2	2	0.50	3041R2307-22

Shank rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	255	-	10	22	7/8	1.2	11220255R23
	800	2	7 1/2	22	7/8	2.9	11220800R23
	1600	5	3	22	7/8	5.3	11221600R23
	2400	7	10 1/2	22	7/8	7.7	11222400R23
	3600	11	9 3/4	22	7/8	11.4	11223600R23

Button bit



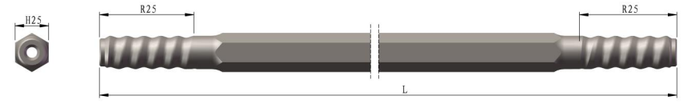

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
33	1 5/16	2×7	5×7	2	2	0.40	3033R2507-22
35	1 3/8	2×7	5×7	2	2	0.45	3035R2507-22
37	1 15/32	2×7	5×8	2	2	0.49	3037R2507-22
38	1 1/2	2×7	5×8	2	2	0.49	3038R2507-22
41	1 5/8	2×8	5×9	2	2	0.55	3041R2507-22

Button bit



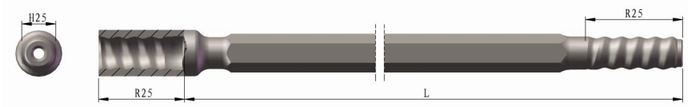

43	1 11/16	3×8	6×9	3	1	0.75	3043R25F09-31
43	1 11/16	3×8	6×9	3	3	0.73	3043R25F09-33
45	1 3/4	3×8	6×9	3	1	0.80	3045R25F09-31
45	1 3/4	3×8	6×9	3	3	0.78	3045R25F09-33

Drifter rod



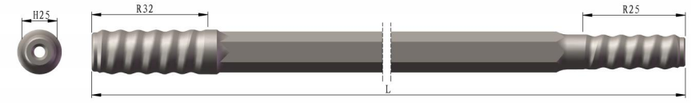
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R25-H25	915	3	-	25	1	3.7	2125R250915
	1220	4	-	25	1	4.9	2125R251220
	1525	5	-	25	1	6.1	2125R251525
	1830	6	-	25	1	7.3	2125R251830
	2435	7	12	25	1	9.7	2125R252435

MF rod



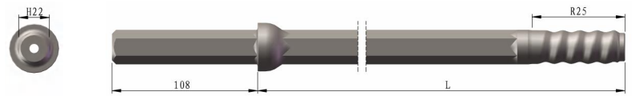
R25-H25	915	3	-	25	1	4.3	2125R25MF0915
	1220	4	-	25	1	5.5	2125R25MF1220
	1525	5	-	25	1	6.7	2125R25MF1525
	1830	6	-	25	1	7.9	2125R25MF1830
	2435	7	12	25	1	10.3	2125R25MF2435

Drifter rod



R32-H25-R25	1220	4	-	25	1	5.2	2125R32R251220
	1525	5	-	25	1	6.5	2125R32R251525
	1830	6	-	25	1	7.7	2125R32R251830
	2435	8	-	25	1	10.1	2125R32R252435
	2475	8	1 7/16	25	1	10.2	2125R32R252475
	2785	9	1 5/8	25	1	11.5	2125R32R252785
	3100	10	2 1/16	25	1	12.7	2125R32R253100

Shank rod



Type	Effective Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
H22×108mm	255	-	10	22	7/8	1.4	11220255R25
	800	2	7 1/2	22	7/8	3.1	11220800R25
	1000	3	3 3/8	22	7/8	3.7	11221000R25
	2400	7	10 1/2	22	7/8	7.9	11222400R25

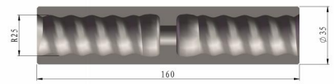
Shank rod



H25×108mm	800	2	7 1/2	25	1	3.2	11250800R25
	1600	5	3	25	1	6.4	11251600R25
	2400	7	10 1/2	25	1	9.5	11252400R25
	3600	11	9 3/4	25	1	14.3	11253600R25

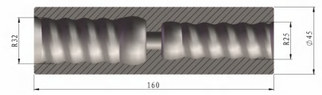
R25 (1″)
Thread

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R25-D35	160	6 5/16	35	1 3/8	0.8	MXQ-R2535160

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R32-D45-R25	160	6 5/16	45	1 3/4	1.4	MXQ-R32R2545160

Guide
Small hole drilling
Drifting & tunneling
Bench & long hole drilling
Auxiliary tools
Shank adapter

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
37	1 15/32	2×7	5×8	2	2	0.45	3037R2807-22
38	1 1/2	2×7	5×8	2	2	0.65	3038R2807-22
41	1 5/8	2×8	5×9	2	2	0.68	3041R2807-22
43	1 11/16	2×8	5×9	2	2	0.70	3043R2807-22
45	1 3/4	2×8	5×9	2	2	0.72	3045R2807-22

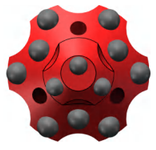
Button bit





43	1 11/16	3×8	6×9	3	3	0.72	3043R28F09-33
45	1 3/4	3×8	6×9	3	1	0.76	3045R28F09-31
45	1 3/4	3×8	6×9	3	3	0.74	3045R28F09-33

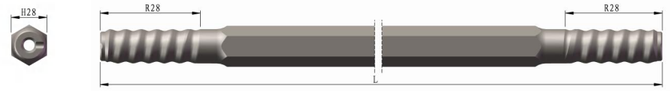
Hole opener reaming bit





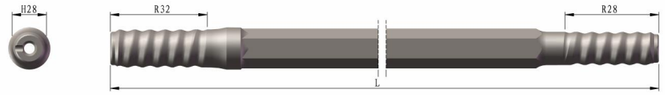
76(38)	3	3×10	9×12	3	0	2.00	3076(38)R2812KC-30

Drifter rod



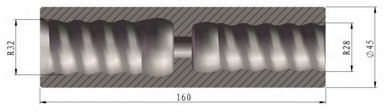
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R28-H28	2475	8	1 7/16	28	1 1/8	12.5	2128R282475
	2785	9	1 5/8	28	1 1/8	14.1	2128R282785
	3100	10	1 1/16	28	1 1/8	15.7	2128R283100
	3700	12	1 11/16	28	1 1/8	18.7	2128R283700
	4305	14	1 1/2	28	1 1/8	21.8	2128R284305

Drifter rod



R32-H28-R28	2475	8	1 7/16	28	1 1/8	12.8	2128R32R282475
	2785	9	1 5/8	28	1 1/8	14.3	2128R32R282785
	3100	10	1 1/16	28	1 1/8	15.9	2128R32R283100
	3700	12	1 11/16	28	1 1/8	18.9	2128R32R283700
	4305	14	1 1/2	28	1 1/8	18.0	2128R32R284305

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R32-D45-R28	160	6 5/16	45	1 3/4	1.3	MXQ-R32R2845160





Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	1	3	0.65	3041R3207-13
43	1 11/16	2×9	5×10	1	3	0.68	3043R3207-13
45	1 3/4	2×9	5×11	1	3	0.75	3045R3207-13
48	1 7/8	2×9	5×11	1	3	0.80	3048R3207-13





Button bit

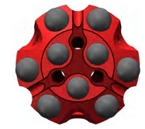
45	1. 3/4	2×8	7×9	2	4	0.70	3045R3209-24
48	1 7/8	2×8	7×9	2	4	0.75	3048R3209-24
51	2	2×8	7×9	2	4	0.78	3051R3209-24





Button bit

43	1 11/16	3×8	6×9	3	1	0.66	3043R32F09-31
43	1 11/16	3×8	6×9	3	3	0.62	3043R32F09-33
45	1 3/4	3×8	6×9	3	1	0.72	3045R32F09-31
45	1 3/4	3×8	6×9	3	3	0.69	3045R32F09-33
48	1 7/8	3×9	6×9	3	1	0.81	3048R32F09-31
48	1 7/8	3×9	6×9	3	3	0.78	3048R32F09-33
51	2	3×9	6×10	3	1	0.91	3051R32F09-31
51	2	3×9	6×10	3	3	0.88	3051R32F09-33
57	2 1/4	3×10	6×11	3	1	1.26	3057R32F09-31
57	2 1/4	3×10	6×11	3	3	1.23	3057R32F09-33
64	2 1/2	3×11	6×12	3	1	1.45	3064R32F09-31
64	2 1/2	3×11	6×12	3	3	1.42	3064R32F09-33

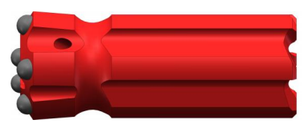




Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
43	1 11/16	3×8	6×9	3	1	0.57	3043R32AF09-31
43	1 11/16	3×8	6×9	3	3	0.55	3043R32AF09-33
45	1 3/4	3×8	6×9	3	1	0.70	3045R32AF09-31
45	1 3/4	3×8	6×9	3	3	0.68	3045R32AF09-33
48	1 7/8	3×9	6×9	3	1	0.78	3048R32AF09-31
48	1 7/8	3×9	6×9	3	3	0.75	3048R32AF09-33
51	2	3×9	6×10	3	1	0.93	3051R32AF09-31
51	2	3×9	6×10	3	3	0.91	3051R32AF09-33
57	2 1/4	3×10	6×11	3	1	1.28	3057R32AF09-31
57	2 1/4	3×10	6×11	3	3	1.26	3057R32AF09-33
64	2 1/2	3×11	6×12	3	1	1.48	3064R32AF09-31
64	2 1/2	3×11	6×12	3	3	1.46	3064R32AF09-33



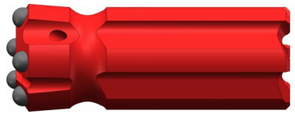


Retrac button bit

45	1 3/4	3×8	6×9	3	1	0.75	3045R32F09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045R32F09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048R32F09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048R32F09R-33
51	2	3×9	6×10	3	1	1.30	3051R32F09R-31
51	2	3×9	6×10	3	3	1.28	3051R32F09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057R32F09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057R32F09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064R32F09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064R32F09R-33

Retrac button bit

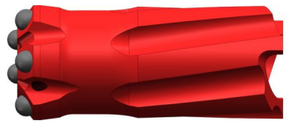




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
45	1 3/4	3×8	6×9	3	1	0.75	3045R32AF09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045R32AF09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048R32AF09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048R32AF09R-33
51	2	3×9	6×10	3	1	1.30	3051R32AF09R-31
51	2	3×9	6×10	3	3	1.28	3051R32AF09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057R32AF09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057R32AF09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064R32AF09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064R32AF09R-33

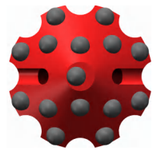
Spiral retrac button bit





48	1 7/8	3×9	6×9	3	3	0.95	3045R32F09HR-33
51	2	3×9	6×10	3	3	1.07	3051R32F09HR-33

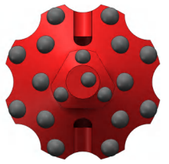
Dome reaming bit

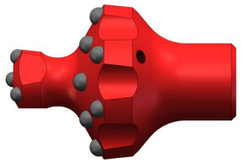




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
76	3	0	15×11	2	2	2.00	3076R3215KD-22
89	3 1/2	0	15×12	2	2	2.60	3089R3215KD-22
102	4	0	15×12	2	2	3.00	30102R3215KD-22

Hole opener reaming bit

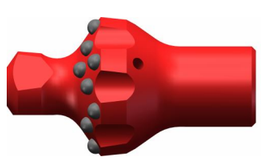




89(41)	3 1/2	4×10	12×12	2	2	2.50	3089(41)R3216KC-22
102(42)	4	4×10	14×12	2	2	3.00	30102(42)R3218KC-22

Hole opener reaming bit

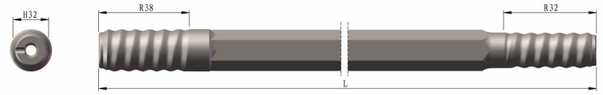




102(51)	4	0	16×12	2	2	3.50	30102(51)R3216KC-22

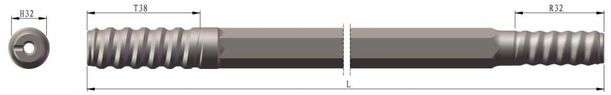
R32 (1 1/4")
Thread

Drifter rod



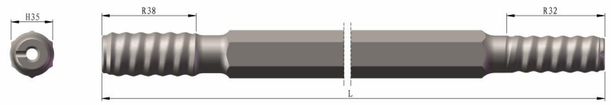
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R38-H32-R32	3100	10	1 1/16	32	1 1/4	20.1	2132R38R323100
	3700	12	1 11/16	32	1 1/4	23.9	2132R38R323700
	4305	14	1 1/2	32	1 1/4	27.8	2132R38R324305
	4915	16	1 1/2	32	1 1/4	31.7	2132R38R324915

Drifter rod



Type							
T38-H32-R32	3100	10	1 1/16	32	1 1/4	20.1	2132T38R323100
	3700	12	1 11/16	32	1 1/4	23.9	2132T38R323700
	4305	14	1 1/2	32	1 1/4	27.8	2132T38R324305
	4915	16	1 1/2	32	1 1/4	31.7	2132T38R324915

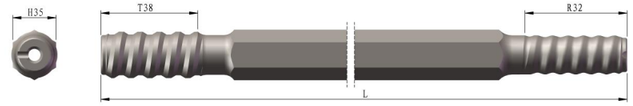
Drifter rod



R38-H35-R32	3100	10	1 1/16	35	1 3/8	25.2	2135R38R323100
	3700	12	1 11/16	35	1 3/8	30.0	2135R38R323700
	4305	14	1 1/2	35	1 3/8	34.9	2135R38R324305
	4915	16	1 1/2	35	1 3/8	39.7	2135R38R324915
	5525	18	1 1/2	35	1 3/8	44.6	2135R38R325525

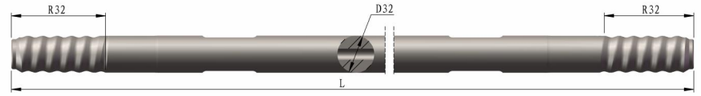
R32 (1 1/4")
Thread

Drifter rod



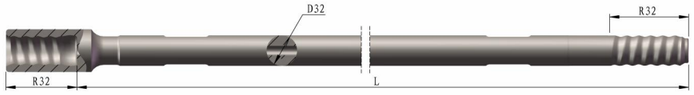
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-H35-R32	2475	8	1 7/16	35	1 3/8	20.2	2135T38R322475
	2785	9	1 5/8	35	1 3/8	22.6	2135T38R322785
	3100	10	1 1/16	35	1 3/8	25.2	2135T38R323100
	3700	12	1 11/16	35	1 3/8	30.0	2135T38R323700
	4305	14	1 1/2	35	1 3/8	34.9	2135T38R324305
	4915	16	1 1/2	35	1 3/8	39.7	2135T38R324915
	5525	18	1 1/2	35	1 3/8	44.6	2135T38R325525

Extension rod



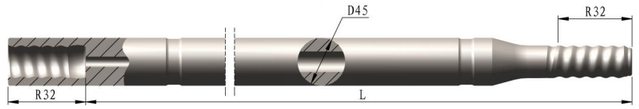
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R32-D32	915	3	-	32	1 1/4	5.4	2032R320915
	1000	3	3 3/8	32	1 1/4	5.9	2032R321000
	1220	4	-	32	1 1/4	7.1	2032R321220
	1525	5	-	32	1 1/4	8.9	2032R321525
	1830	6	-	32	1 1/4	10.7	2032R321830
	2440	8	-	32	1 1/4	14.3	2032R322440
	3050	10	-	32	1 1/4	17.8	2032R323050
	3660	12	-	32	1 1/4	21.4	2032R323660

MF rod



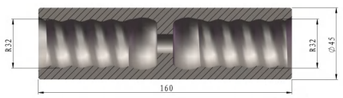
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R32-D32	915	3	-	32	1 1/4	6.6	2032R32MF0915
	1000	3	3 3/8	32	1 1/4	7.1	2032R32MF1000
	1220	4	-	32	1 1/4	8.4	2032R32MF1220
	1525	5	-	32	1 1/4	10.2	2032R32MF1525
	1830	6	-	32	1 1/4	12.0	2032R32MF1830
	2440	8	-	32	1 1/4	14.3	2032R32MF2440
	3050	10	-	32	1 1/4	19.1	2032R32MF3050
	3660	12	-	32	1 1/4	22.6	2032R32MF3660

Guide tube



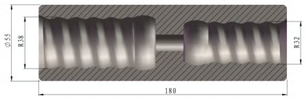
R32-D45	1525	5	-	45	1 3/4	16.2	2245R32MF1525
	1830	6	-	45	1 3/4	18.6	2245R32MF1830
	3050	10	-	45	1 3/4	31.1	2245R32MF3050

Coupling sleeve



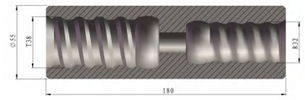
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R32-D45	160	6 5/16	45	1 3/4	1.0	MXQ-R3245160

Coupling sleeve



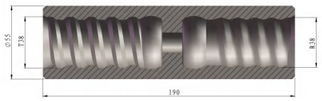
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R38-D55-R32	180	7 1/16	55	2 3/16	2.3	MXQ-R38R3255180

Coupling sleeve



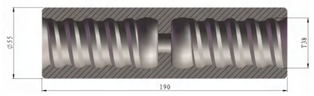
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R32	180	7 1/16	55	2 3/16	2.2	MXQ-T38R3255180

Coupling sleeve



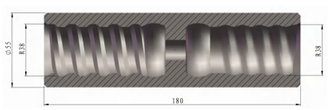
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R38	190	7 1/2	55	2 3/16	2.0	MXQ-T38R3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55	190	7 1/2	55	2 3/16	2.0	MXQ-T3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R38-D55	180	7 1/16	55	2 3/16	1.9	MXQ-R3855180

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	1	3	0.65	3041TR3207-13
43	1 11/16	2×9	5×10	1	3	0.68	3043TR3207-13
45	1 3/4	2×9	5×11	1	3	0.75	3045TR3207-13
48	1 7/8	2×9	5×11	1	3	0.80	3048TR3207-13
51	2	2×10	5×11	1	3	0.83	3051TR3507-13

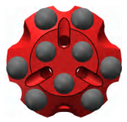
Button bit





45	1. 3/4	2×8	7×9	2	4	0.70	3045TR3209-24
48	1 7/8	2×8	7×9	2	4	0.75	3048TR3209-24
51	2	2×8	7×9	2	4	0.78	3051TR3209-24

Button bit





43	1 11/16	3×8	6×9	3	1	0.66	3043TR32F09-31
43	1 11/16	3×8	6×9	3	3	0.62	3043TR32F09-33
45	1 3/4	3×8	6×9	3	1	0.72	3045TR32F09-31
45	1 3/4	3×8	6×9	3	3	0.69	3045TR32F09-33
48	1 7/8	3×9	6×9	3	1	0.81	3048TR32F09-31
48	1 7/8	3×9	6×9	3	3	0.78	3048TR32F09-33
51	2	3×9	6×10	3	1	0.91	3051TR32F09-31
51	2	3×9	6×10	3	3	0.88	3051TR32F09-33
57	2 1/4	3×10	6×11	3	1	1.26	3057TR32F09-31
57	2 1/4	3×10	6×11	3	3	1.23	3057TR32F09-33
64	2 1/2	3×11	6×12	3	1	1.45	3064TR32F09-31
64	2 1/2	3×11	6×12	3	3	1.42	3064TR32F09-33

Button bit

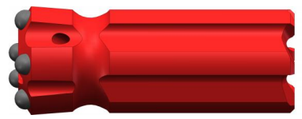




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
43	1 11/16	3×8	6×9	3	1	0.57	3043TR32AF09-31
43	1 11/16	3×8	6×9	3	3	0.55	3043TR32AF09-33
45	1 3/4	3×8	6×9	3	1	0.70	3045TR32AF09-31
45	1 3/4	3×8	6×9	3	3	0.68	3045TR32AF09-33
48	1 7/8	3×9	6×9	3	1	0.78	3048TR32AF09-31
48	1 7/8	3×9	6×9	3	3	0.75	3048TR32AF09-33
51	2	3×9	6×10	3	1	0.93	3051TR32AF09-31
51	2	3×9	6×10	3	3	0.91	3051TR32AF09-33
57	2 1/4	3×10	6×11	3	1	1.28	3057TR32AF09-31
57	2 1/4	3×10	6×11	3	3	1.26	3057TR32AF09-33
64	2 1/2	3×11	6×12	3	1	1.48	3064TR32AF09-31
64	2 1/2	3×11	6×12	3	3	1.46	3064TR32AF09-33

Retrac button bit

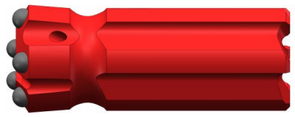




45	1 3/4	3×8	6×9	3	1	0.75	3045TR32F09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045TR32F09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048TR32F09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048TR32F09R-33
51	2	3×9	6×10	3	1	1.30	3051TR32F09R-31
51	2	3×9	6×10	3	3	1.28	3051TR32F09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057TR32F09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057TR32F09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064TR32F09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064TR32F09R-33

Retrac button bit

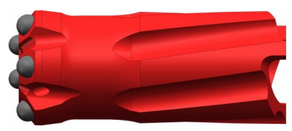




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
45	1 3/4	3×8	6×9	3	1	0.75	3045TR32AF09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045TR32AF09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048TR32AF09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048TR32AF09R-33
51	2	3×9	6×10	3	1	1.30	3051TR32AF09R-31
51	2	3×9	6×10	3	3	1.28	3051TR32AF09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057TR32AF09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057TR32AF09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064TR32AF09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064TR32AF09R-33

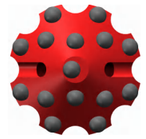
Spiral retrac button bit

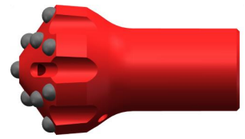




48	1 3/4	3×9	6×10	3	3	0.95	3045TR32F09HR-33
51	2	3×9	6×10	3	3	1.07	3051TR32F09HR-33

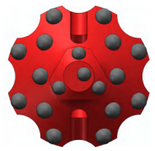
Dome reaming bit

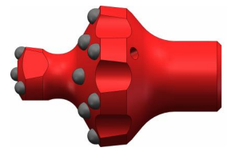




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
76	3	0	15×11	2	2	2.00	3076TR3215KD-22
89	3 1/2	0	15×12	2	2	2.60	3089TR3215KD-22
102	4	0	15×12	2	2	3.00	30102TR3215KD-22

Hole opener reaming bit





89(41)	3 1/2	4×10	12×12	2	2	2.50	3089(41)TR3216KC-22
102(42)	4	4×10	14×12	2	2	3.00	30102(42)TR3218KC-22

Hole opener reaming bit





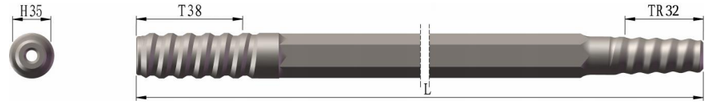
102(51)	4	0	16×12	2	2	3.50	30102(51)TR3216KC-22

Drifter rod



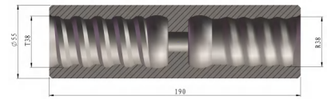
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-H32-TR32	3100	10	1 1/16	32	1 1/4	20.1	2132T38TR323100
	3700	12	1 11/16	32	1 1/4	23.9	2132T38TR323700
	4305	14	1 1/2	32	1 1/4	27.8	2132T38TR324305
	4915	16	1 1/2	32	1 1/4	31.7	2132T38TR324915

Drifter rod



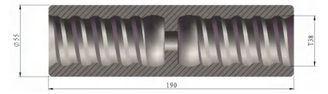
T38-H35-TR32	3100	10	1 1/16	35	1 3/8"	25.2	2135T38TR323100
	3700	12	1 11/16	35	1 3/8"	30.0	2135T38TR323700
	4305	14	1 1/2	35	1 3/8"	34.9	2135T38TR324305
	4915	16	1 1/2	35	1 3/8"	39.7	2135T38TR324915

Coupling sleeve



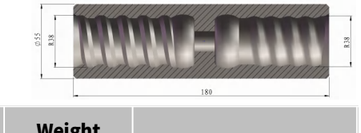
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R38	190	7 1/2	55	2 3/16	2.0	MXQ-T38R3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55	190	7 1/2	55	2 3/16	2.0	MXQ-T3855190

Coupling sleeve

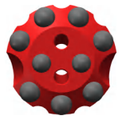


Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R38-D55	180	7 1/16	55	2 3/16	1.9	MXQ-R3855180




Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	1	3	0.65	3041R3307-13
43	1 11/16	2×9	5×10	1	3	0.68	3043R3307-13
45	1 3/4	2×9	5×11	1	3	0.75	3045R3307-13
48	1 7/8	2×9	5×11	1	3	0.80	3048R3307-13
51	2	2×10	5×11	1	3	0.83	3051R3307-13



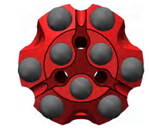

Button bit

45	1. 3/4	2×8	7×9	2	4	0.70	3045R3309-24
48	1 7/8	2×8	7×9	2	4	0.75	3048R3309-24
51	2	2×8	7×9	2	4	0.78	3051R3309-24



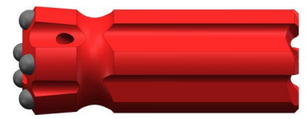

Button bit

43	1 11/16	3×8	6×9	3	1	0.66	3043R33F09-31
43	1 11/16	3×8	6×9	3	3	0.62	3043R33F09-33
45	1 3/4	3×8	6×9	3	1	0.72	3045R33F09-31
45	1 3/4	3×8	6×9	3	3	0.69	3045R33F09-33
48	1 7/8	3×9	6×9	3	1	0.81	3048R33F09-31
48	1 7/8	3×9	6×9	3	3	0.78	3048R33F09-33
51	2	3×9	6×10	3	1	0.91	3051R33F09-31
51	2	3×9	6×10	3	3	0.88	3051R33F09-33
57	2 1/4	3×10	6×11	3	1	1.26	3057R33F09-31
57	2 1/4	3×10	6×11	3	3	1.23	3057R33F09-33
64	2 1/2	3×11	6×12	3	1	1.45	3064R33F09-31
64	2 1/2	3×11	6×12	3	3	1.42	3064R33F09-33




Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
43	1 11/16	3×8	6×9	3	1	0.57	3043R33AF09-31
43	1 11/16	3×8	6×9	3	3	0.55	3043R33AF09-33
45	1 3/4	3×8	6×9	3	1	0.70	3045R33AF09-31
45	1 3/4	3×8	6×9	3	3	0.68	3045R33AF09-33
48	1 7/8	3×9	6×9	3	1	0.78	3048R33AF09-31
48	1 7/8	3×9	6×9	3	3	0.75	3048R33AF09-33
51	2	3×9	6×10	3	1	0.93	3051R33AF09-31
51	2	3×9	6×10	3	3	0.91	3051R33AF09-33
57	2 1/4	3×10	6×11	3	1	1.28	3057R33AF09-31
57	2 1/4	3×10	6×11	3	3	1.26	3057R33AF09-33
64	2 1/2	3×11	6×12	3	1	1.48	3064R33AF09-31
64	2 1/2	3×11	6×12	3	3	1.46	3064R33AF09-33

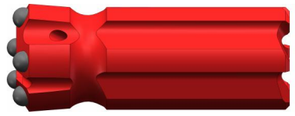



Retrac button bit

45	1 3/4	3×8	6×9	3	1	0.75	3045R33F09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045R33F09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048R33F09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048R33F09R-33
51	2	3×9	6×10	3	1	1.30	3051R33F09R-31
51	2	3×9	6×10	3	3	1.28	3051R33F09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057R33F09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057R33F09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064R33F09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064R33F09R-33

Retrac button bit

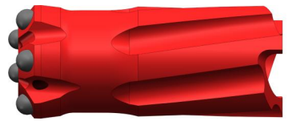




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
45	1 3/4	3×8	6×9	3	1	0.75	3045R33AF09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045R33AF09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048R33AF09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048R33AF09R-33
51	2	3×9	6×10	3	1	1.30	3051R33AF09R-31
51	2	3×9	6×10	3	3	1.28	3051R33AF09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057R33AF09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057R33AF09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064R33AF09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064R33AF09R-33

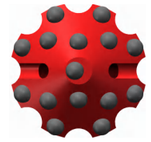
Spiral retrac button bit

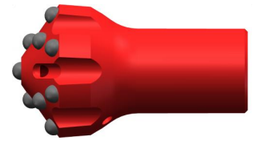




48	1 3/4	3×9	6×10	3	3	0.95	3045R33F09HR-33
51	2	3×9	6×10	3	3	1.07	3051R33F09HR-33

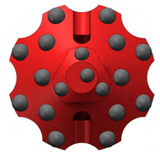
Dome reaming bit

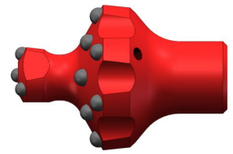




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
76	3	0	15×11	2	2	2.00	3076R3315KD-22
89	3 1/2	0	15×12	2	2	2.60	3089R3315KD-22
102	4	0	15×12	2	2	3.00	30102R3315KD-22

Hole opener reaming bit





89(41)	3 1/2	4×10	12×12	2	2	2.50	3089(41)R3316KC-22
102(42)	4	4×10	14×12	2	2	3.00	30102(42)0R3318KC-22

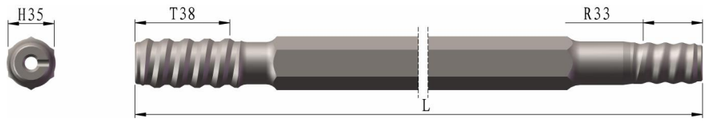
Hole opener reaming bit





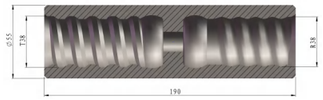
102(51)	4	0	16×12	2	2	3.50	30102(51)R3316KC-22

Drifter rod



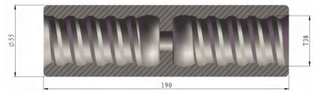
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-H35-R33	3100	10	1 1/16	35	1 3/8	25.2	2135T38R333100
	3700	12	1 11/16	35	1 3/8	30.0	2135T38R333700
	4305	14	1 1/2	35	1 3/8	34.9	2135T38R334305
	4915	16	1 1/2	35	1 3/8	39.7	2135T38R334915
	5525	18	1 1/2	35	1 3/8	44.6	2135T38R335525

Coupling sleeve



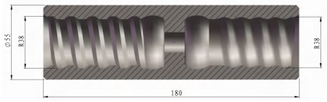
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R38	190	7 1/2	55	2 3/16	2.0	MXQ-T38R3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55	190	7 1/2	55	2 3/16	2.0	MXQ-T3855190

Coupling sleeve



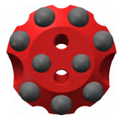
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R38-D55	180	7 1/16	55	2 3/16	1.9	MXQ-R3855180

TR35 (1 3/8")
Thread




Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
41	1 5/8	2×8	5×9	1	3	0.65	3041TR3507-13
43	1 11/16	2×9	5×10	1	3	0.68	3043TR3507-13
45	1 3/4	2×9	5×11	1	3	0.75	3045TR3507-13
48	1 7/8	2×9	5×11	1	3	0.80	3048TR3507-13
51	2	2×10	5×11	1	3	0.83	3051TR3507-13




Button bit

45	1. 3/4	2×8	7×9	2	4	0.70	3045TR3509-24
48	1 7/8	2×8	7×9	2	4	0.75	3048TR3509-24
51	2	2×8	7×9	2	4	0.78	3051TR3509-24




Button bit

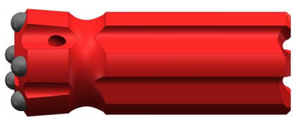
43	1 11/16	3×8	6×9	3	1	0.66	3043TR35F09-31
43	1 11/16	3×8	6×9	3	3	0.62	3043TR35F09-33
45	1 3/4	3×8	6×9	3	1	0.72	3045TR35F09-31
45	1 3/4	3×8	6×9	3	3	0.69	3045TR35F09-33
48	1 7/8	3×9	6×9	3	1	0.81	3048TR35F09-31
48	1 7/8	3×9	6×9	3	3	0.78	3048TR35F09-33
51	2	3×9	6×10	3	1	0.91	3051TR35F09-31
51	2	3×9	6×10	3	3	0.88	3051TR35F09-33
57	2 1/4	3×10	6×11	3	1	1.26	3057TR35F09-31
57	2 1/4	3×10	6×11	3	3	1.23	3057TR35F09-33
64	2 1/2	3×11	6×12	3	1	1.45	3064TR35F09-31
64	2 1/2	3×11	6×12	3	3	1.42	3064TR35F09-33

TR35 (1 3/8")
Thread




Button bit

Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
43	1 11/16	3×8	6×9	3	1	0.57	3043TR35AF09-31
43	1 11/16	3×8	6×9	3	3	0.55	3043TR35AF09-33
45	1 3/4	3×8	6×9	3	1	0.70	3045TR35AF09-31
45	1 3/4	3×8	6×9	3	3	0.68	3045TR35AF09-33
48	1 7/8	3×9	6×9	3	1	0.78	3045TR35AF09-31
48	1 7/8	3×9	6×9	3	3	0.75	3048TR35AF09-33
51	2	3×9	6×10	3	1	0.93	3051TR35AF09-31
51	2	3×9	6×10	3	3	0.91	3051TR35AF09-33
57	2 1/4	3×10	6×11	3	1	1.28	3057TR35AF09-31
57	2 1/4	3×10	6×11	3	3	1.26	3057TR35AF09-33
64	2 1/2	3×11	6×12	3	1	1.48	3064TR35AF09-31
64	2 1/2	3×11	6×12	3	3	1.46	3064TR35AF09-33

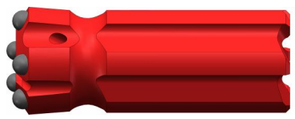



Retrac button bit

45	1 3/4	3×8	6×9	3	1	0.75	3045TR35F09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045TR35F09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048TR35F09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048TR35F09R-33
51	2	3×9	6×10	3	1	1.30	3051TR35F09R-31
51	2	3×9	6×10	3	3	1.28	3051TR35F09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057TR35F09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057TR35F09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064TR35F09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064TR35F09R-33

Retrac button bit

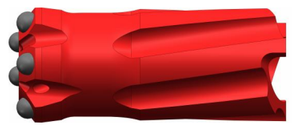




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
45	1 3/4	3×8	6×9	3	1	0.75	3045TR35AF09R-31
45	1 3/4	3×8	6×9	3	3	0.73	3045TR35AF09R-33
48	1 7/8	3×9	6×9	3	1	0.88	3048TR35AF09R-31
48	1 7/8	3×9	6×9	3	3	0.86	3048TR35AF09R-33
51	2	3×9	6×10	3	1	1.30	3051TR35AF09R-31
51	2	3×9	6×10	3	3	1.28	3051TR35AF09R-33
57	2 1/4	3×10	6×11	3	1	1.75	3057TR35AF09R-31
57	2 1/4	3×10	6×11	3	3	1.73	3057TR35AF09R-33
64	2 1/2	3×11	6×12	3	1	2.20	3064TR35AF09R-31
64	2 1/2	3×11	6×12	3	3	2.18	3064TR35AF09R-33

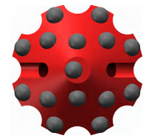
Spiral retrac button bit

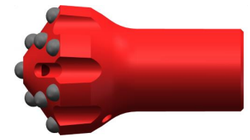




48	1 7/8	3×9	6×10	3	3	0.95	3045TR35F06HR-33
51	2	3×9	6×10	3	3	1.07	3051TR35F09HR-33

Dome reaming bit

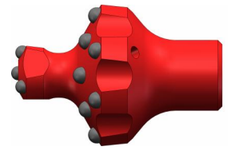




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
76	3	0	15×11	2	2	2.00	3076TR3515KD-22
89	3 1/2	0	15×12	2	2	2.60	3089TR3515KD-22
102	4	0	15×12	2	2	3.00	30102TR3515KD-22

Hole opener reaming bit





89(41)	3 1/2	4×10	12×12	2	2	2.50	3089(41)TR3516KC-22
102(42)	4	4×10	14×12	2	2	3.00	30102(42)TR3518KC-22

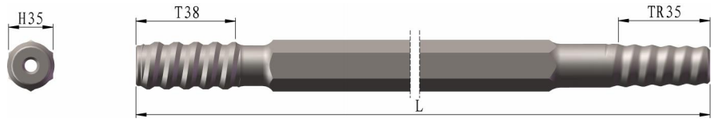
Hole opener reaming bit





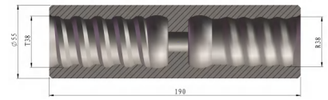
102(51)	4	0	16×12	2	2	3.50	30102(51)TR3516KC-22

Drifter rod



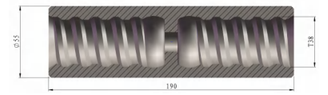
Type	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-H35-TR35	2475	8	1 7/16	35	1 3/8	20.2	2135T38TR352475
	2785	9	1 5/8	35	1 3/8	22.6	2135T38TR352785
	3100	10	1 1/16	35	1 3/8	25.2	2135T38TR353100
	3700	12	1 11/16	35	1 3/8	30.0	2135T38TR353700
	4305	14	1 1/2	35	1 3/8	34.9	2135T38TR354305
	4915	16	1 1/2	35	1 3/8	39.7	2135T38TR354915
	5525	18	1 1/2	35	1 3/8	44.6	2135T38TR355525

Coupling sleeve



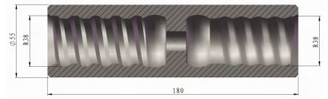
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R38	190	7 1/2	55	2 3/16	2.0	MXQ-T38R3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55	190	7 1/2	55	2 3/16	2.0	MXQ-T3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
R38-D55	180	7 1/16	55	2 3/16	1.9	MXQ-R3855180

Bench & long hole drilling

TA35(1 3/8″) ---------- 64
Thread

T38(1 1/2″) ---------- 66
Thread

T45(1 3/4″) ---------- 72
Thread

T51(2″) ---------- 78
Thread

ST58(2 5/16″) ---------- 82
Thread

GT60(2 3/8″) ---------- 84
Thread

MT60(2 3/8″) ---------- 86
Thread

ST68(2 11/16″) ---------- 88
Thread

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
51	2	3×9	6×10	3	1	1.20	3051TA35AF09-31
54	2 1/8	3×9	6×10	3	1	1.35	3054TA35AF09-31
57	2 1/4	3×10	6×11	3	1	1.50	3057TA35AF09-31
64	2 1/2	3×11	6×12	3	1	1.80	3064TA35AF09-31

Retrac button bit





51	2	3×9	6×10	3	1	0.95	3051TA35AF09R-31
54	2 1/8	3×9	6×10	3	1	1.00	3054TA35AF09R-31
57	2 1/4	3×10	6×11	3	1	1.20	3057TA35AF09R-31
64	2 1/2	3×11	6×12	3	1	1.50	3064TA35AF09R-31

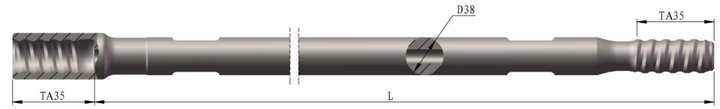
Spiral retrac button bit





64	2 1/2	3×11	6×12	3	1	1.50	3064TA35AF09HR-31

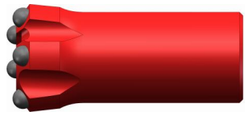
MF rod



Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
TA35-D38	1525	5	-	38	1 1/2	14.0	2038TA35MF1525
	1830	6	-	38	1 1/2	16.5	2038TA35MF1830
	3050	10	-	38	1 1/2	26.6	2038TA35MF3050
	3660	12	-	38	1 1/2	31.6	2038TA35MF3660

Button bit

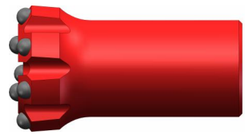




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
64	2 1/2	3×11	6×12	3	0	1.40	3064T38AF09-30
76	3	3×11	6×12	3	0	2.00	3076T38AF09-30

Button bit

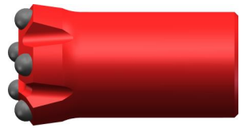




64	2 1/2	5×9	8×10	4	0	1.50	3064T38AF13-40
70	2 3/4	5×10	8×11	4	0	1.60	3070T38AF13-40
76	3	5×11	8×12	4	0	2.30	3076T38AF13-40
89	3 1/2	5×12	8×12	4	0	2.90	3089T38AF13-40

Button bit

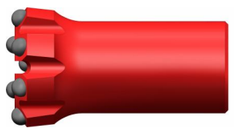




64	2 1/2	3×11	6×12	3	1	1.40	3064T38F09-31
76	3	4×11	8×12	2	2	2.30	3076T38F12-22
89	3 1/2	4×11	8×12	2	2	3.54	3089T38F12-22
102	4	6×12	9×12	3	0	3.90	30102T38F15-30

Button bit

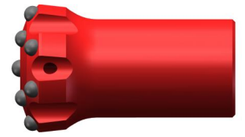




64	2 1/2	5×9	8×10	4	0	2.00	3064T3813D-40
70	2 3/4	5×10	8×11	4	0	2.30	3070T3813D-40
76	3	5×11	8×12	4	0	2.40	3076T3813D-40
89	3 1/2	5×12	8×12	4	0	3.94	3089T3813D-40

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
76	3	6×10	8×11	2	2	3.54	3076T38F14C-22
89	3 1/2	6×12	8×12	2	2	3.94	3089T38F14C-22

Retrac button bit





76	3	4×12	8×12	2	2	3.30	3076T3812R-22

Retrac button bit

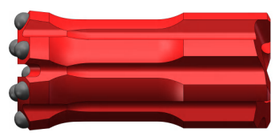




64	2 1/2	5×9	8×10	4	0	2.12	3064T38AF13R-40
70	2 3/4	5×10	8×11	4	0	2.63	3070T38AF13R-40
76	3	5×11	8×12	4	0	2.86	3076T38AF13R-40
89	3 1/2	5×12	8×12	4	0	3.56	3089T38AF13R-40

Retrac button bit





64	2 1/2	5×9	8×10	4	0	2.80	3064T3813DR-40
76	3	5×11	8×12	4	0	3.50	3076T3813DR-40
89	3 1/2	5×12	8×12	4	0	3.78	3089T3813DR-40
102	4	5×12	8×13	4	0	8.30	30102T3813DR-40

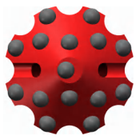
Spiral retrac button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
64	2 1/2	3×11	6×12	3	1	2.20	3064T38AF09HR-31
64	2 1/2	3×11	6×12	3	3	2.10	3064T38AF09HR-33
76	3	3×11	6×12	3	1	3.35	3076T38AF09HR-31
76	3	3×11	6×12	3	3	3.27	3076T38AF09HR-33

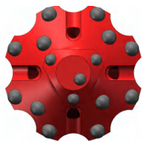
Dome reaming bit

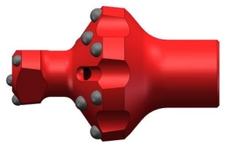




76	3	0	15×11	2	2	2.70	3076T3815KD-22
89	3 1/2	0	15×12	2	2	3.23	3089T3815KD-22
102	4	0	15×12	2	2	4.30	30102T3815KD-22

Hole opener reaming bit

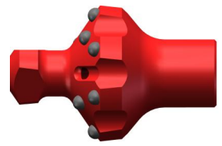




89(42)	3 1/2	4×10	12×12	2	2	3.30	3089(42)T3816KC-22
127(57)	5	4×11	12×14	4	0	5.97	30127(57)T3816KC-40

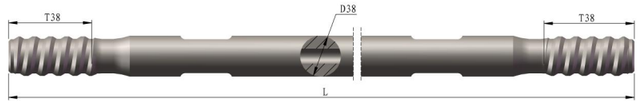
Hole opener reaming bit





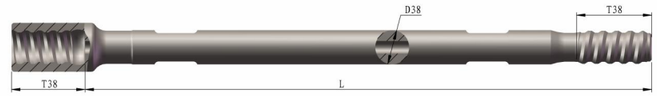
102(48)	4	0	12×13	4	0	4.00	30102(48)T3812KC-40
115(48)	4 1/2	0	12×14	4	0	5.54	30115(48)T3812KC-40
127(76)	5	0	12×14	4	0	5.97	30127(76)T3812KC-40
152(76)	6	0	13×14	4	0	11.40	30152(76)T3813KC-40

Extension rod



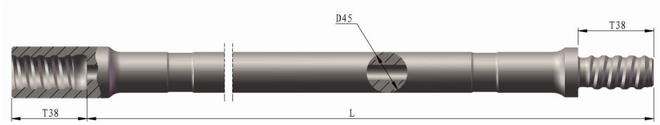
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-D38	915	3	-	38	1 1/2	7.6	2038T380915
	1220	4	-	38	1 1/2	10.1	2038T381220
	1525	5	-	38	1 1/2	12.7	2038T381525
	1830	6	-	38	1 1/2	15.2	2038T381830
	3050	10	-	38	1 1/2	25.3	2038T383050
	3660	12	-	38	1 1/2	30.3	2038T383660

MF rod



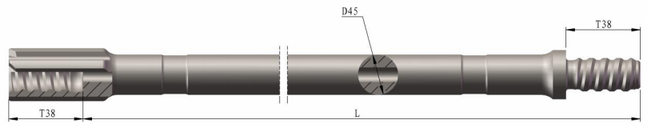
T38-D38	915	3	-	38	1 1/2	9.8	2038T38MF0915
	1220	4	-	38	1 1/2	12.3	2038T38MF1220
	1525	5	-	38	1 1/2	14.8	2038T38MF1525
	1830	6	-	38	1 1/2	17.3	2038T38MF1830
	3050	10	-	38	1 1/2	27.4	2038T38MF3050
	3660	12	-	38	1 1/2	32.5	2038T38MF3660

DMF rod



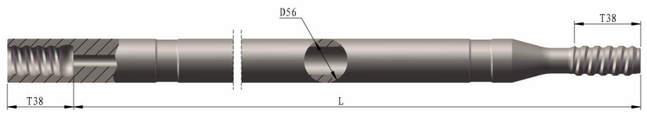
T38-D45	1525	5	-	45	1 3/4	20.5	2045T38DMF1525
	1830	6	-	45	1 3/4	24.0	2045T38DMF1830
	3050	10	-	45	1 3/4	38.0	2045T38DMF3050
	3660	12	-	45	1 3/4	45.0	2045T38DMF3660

RDMF rod



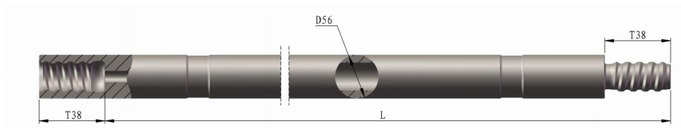
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T38-D45	1525	5	-	45	1 3/4	20.5	2045T38RDMF1525
	1830	6	-	45	1 3/4	24.0	2045T38RDMF1830
	3050	10	-	45	1 3/4	38.0	2045T38RDMF3050
	3660	12	-	45	1 3/4	45.0	2045T38RDMF3660

Giude tube



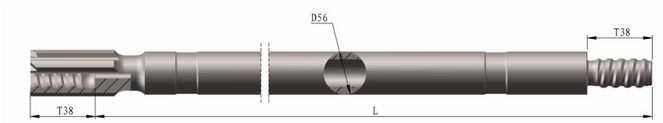
T38-D56	1220	4	-	56	2 3/16	15.3	2256T38MF1220
	1525	5	-	56	2 3/16	18.8	2256T38MF1525
	1830	6	-	56	2 3/16	22.2	2256T38MF1830

Drill tube



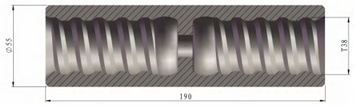
T38-D56	1220	4	-	56	2 3/16	15.3	2456T38DMF1220
	1525	5	-	56	2 3/16	18.8	2456T38DMF1525
	1830	6	-	56	2 3/16	22.2	2456T38DMF1830

RD drill tube



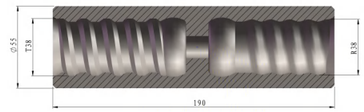
T38-D56	1220	4	-	56	2 3/16	15.3	2456T38RDMF1220
	1525	5	-	56	2 3/16	18.8	2456T38RDMF1525
	1830	6	-	56	2 3/16	22.2	2456T38RDMF1830

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55	190	7 1/2	55	2 3/16	2.0	MXQ-T3855190

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38-D55-R38	190	7 1/2	55	2 3/16	2.0	MXQ-T38R3855190

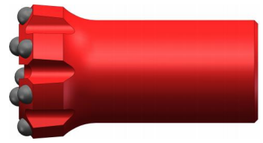
Bit adapter



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T38F-D57-R32M	247	9 3/4	57	2 1/4	2.5	MXB-T38FR32M57247

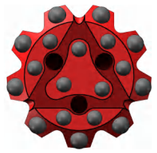
Button bit

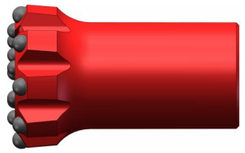




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
70	2 3/4	5×10	8×11	4	0	2.20	3070T45AF13-40
76	3	5×11	8×12	4	0	2.30	3076T45AF13-40
89	3 1/2	5×12	8×12	4	0	3.60	3089T45AF13-40

Button bit

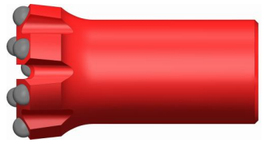




102	4	9×11	9×13	3	0	5.60	30102T45AF18-30

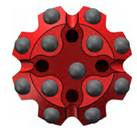
Button bit

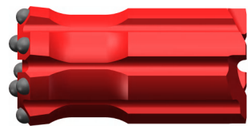




76	3	5×11	8×12	4	0	2.30	3076T4513D-40
89	3 1/2	5×12	8×12	4	0	3.62	3089T4513D-40
102	4	5×12	8×13	4	0	4.40	30102T4513D-40

Retrac button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
70	2 3/4	5×10	8×11	4	0	2.20	3070T45AF13R-40
76	3	5×11	8×12	4	0	2.30	3076T45AF13R-40
89	3 1/2	5×12	8×12	4	0	5.20	3089T45AF13R-40

Retrac button bit





102	4	9×11	9×13	3	0	5.60	30102T45AF18R-30

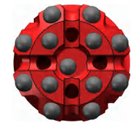
Retrac button bit

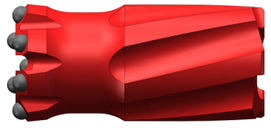




76	3	5×11	8×12	4	0	2.30	3076T4513DR-40
89	3 1/2	5×12	8×12	4	0	4.60	3089T4513DR-40
102	4	5×12	8×13	4	0	7.60	30102T4513DR-40

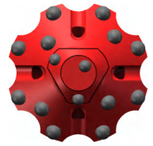
Spiral retrac button bit

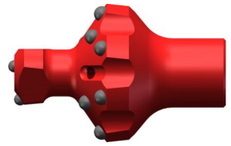




76	3	5×11	8×12	4	0	2.30	3076T4513DHR-40
89	3 1/2	5×13	8×12	4	0	4.40	3089T4513DHR-40
102	4	5×13	8×13	4	0	7.30	30102T4513DHR-40

Hole opener reaming bit

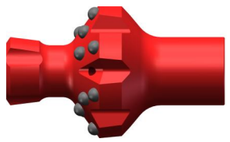




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
115(76)	4 1/2	3×12	12×13	4	0	7.85	30115(76)T4515KC-40
127(76)	5	3×12	12×14	4	0	7.88	30127(76)T4515KC-40

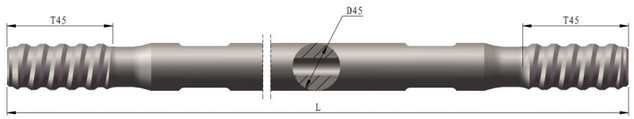
Hole opener reaming bit





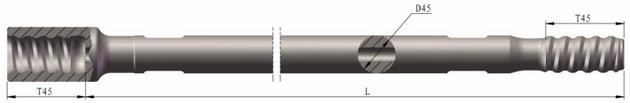
152(76)	6	0	16×16	4	0	11.84	30152(76)T4516KC-40

Extension rod



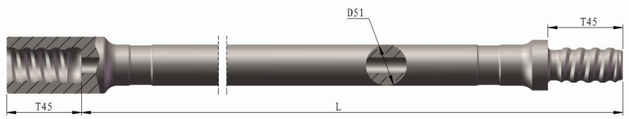
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T45-D45	1525	5	-	45	1 3/4	17.5	2045T451525
	1830	6	-	45	1 3/4	21.0	2045T451830
	3050	10	-	45	1 3/4	35.0	2045T453050
	3660	12	-	45	1 3/4	42.0	2045T453660
	4265	14	-	45	1 3/4	48.9	2045T454265

MF rod



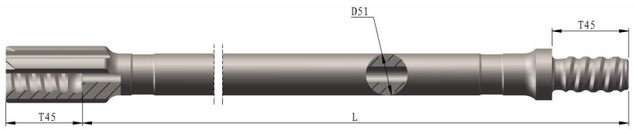
T45-D45	1525	5	-	45	1 3/4	20.7	2045T45MF1525
	1830	6	-	45	1 3/4	24.2	2045T45MF1830
	3050	10	-	45	1 3/4	38.2	2045T45MF3050
	3660	12	-	45	1 3/4	45.2	2045T45MF3660
	4265	14	-	45	1 3/4	52.1	2045T45MF4265

DMF rod



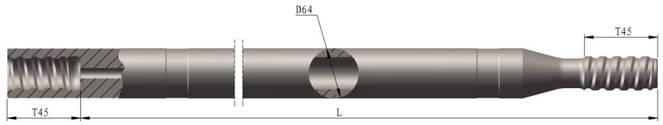
T45-D51	1220	4	-	51	2	21.5	2051T45DMF1220
	1525	5	-	51	2	25.9	2051T45DMF1525
	1830	6	-	51	2	30.3	2051T45DMF1830

RDMF rod



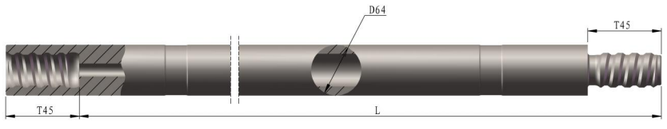
T45-D51	1220	4	-	51	2	21.5	2051T45RDMF1220
	1525	5	-	51	2	25.9	2051T45RDMF1525
	1830	6	-	51	2	30.3	2051T45RDMF1830

Guide tube



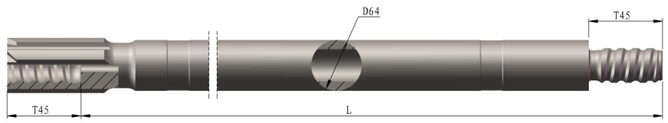
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T45-D64	1220	4	-	64	2 1/2	20.7	2264T45MF1220
	1525	5	-	64	2 1/2	25.3	2264T45MF1525
	1830	6	-	64	2 1/2	30.0	2264T45MF1830

Drill tube



T45-D64	1220	4	-	64	2 1/2	20.7	2464T45DMF1220
	1525	5	-	64	2 1/2	25.3	2464T45DMF1525
	1830	6	-	64	2 1/2	30.0	2464T45DMF1830

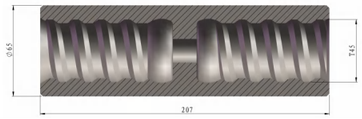
RD drill tube



T45-D64	1220	4	-	64	2 1/2	20.7	2464T45RDMF1220
	1525	5	-	64	2 1/2	25.3	2464T45RDMF1525
	1830	6	-	64	2 1/2	30.0	2464T45RDMF1830

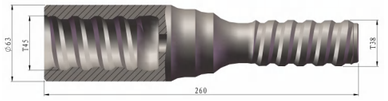
T45 (1 3/4")
Thread

Coupling sleeve



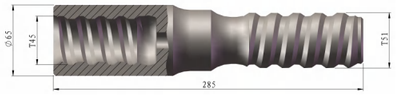
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T45-D65	207	8 5/32	65	2 9/16	3.4	MXQ-T4565207

Bit adapter



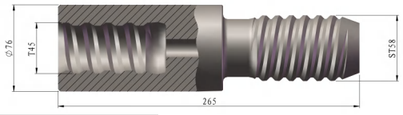
Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T45F-D63-T38M	260	10 1/4	63	2 1/2	2.9	MXB-T38MT45F63260

Bit adapter



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T45F-D65-T51M	285	11 1/4	65	2 9/16	2.8	MXB-T51MT45F65285

Bit adapter

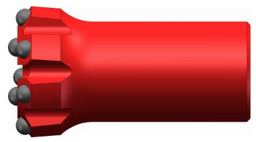


Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T45F-D76-ST58M	265	10 7/16	76	3 1/8	5.2	MXB-ST58MT45F76265

Guide
Small hole drilling
Drifting & tunneling
Bench & long hole drilling
Auxiliary tools
Shank adapter

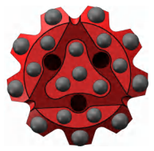
Button bit

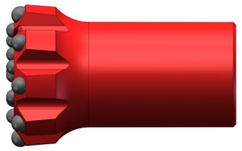




Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
89	3 1/2	5×12	8×12	4	0	3.60	3089T51AF13-40
102	4	5×12	8×13	4	0	5.00	30102T51AF13-40

Button bit

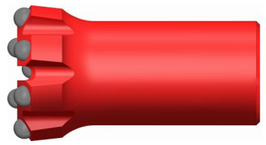




102	4	9×11	9×13	3	0	5.00	30102T51AF18-30
115	4 1/2	10×12	9×13	3	0	6.50	30115T51AF19-30
127	5	10×13	9×14	3	0	8.20	30127T51AF19-30
140	5 1/2	10×14	9×16	3	0	12.10	30140T51AF19-30

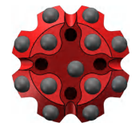
Button bit





89	3 1/2	5×12	8×12	4	0	3.60	3089T5113D-40
102	4	5×12	8×13	4	0	6.20	30102T5113D-40
115	4 1/2	6×12	8×13	4	0	7.35	30115T5114D-40
127	5	6×13	8×14	4	0	8.10	30127T5114D-40

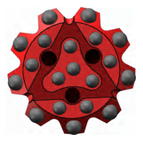
Retrac button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
89	3 1/2	5×12	8×12	4	0	4.30	3089T51AF13R-40
102	4	5×12	8×13	4	0	6.50	30102T51AF13R-40

Retrac button bit





102	4	9×11	9×13	3	0	6.70	30102T51AF18R-30
115	4 1/2	10×12	9×13	3	0	9.20	30115T51AF19R-30
127	5	10×13	9×14	3	0	10.10	30127T51AF19R-30
140	5 1/2	10×14	9×16	3	0	16.00	30140T51AF19R-30

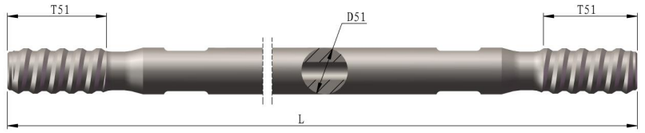
Retrac button bit





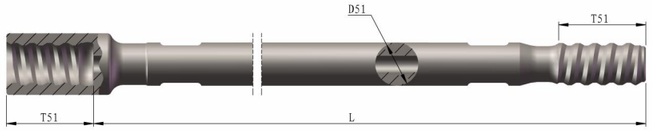
89	3 1/2	5×12	8×12	4	0	4.33	3089T5113DR-40
102	4	5×12	8×13	4	0	6.70	30102T5113DR-40
115	4 1/2	6×12	8×13	4	0	9.40	30115T5114DR-40
127	5	6×13	8×14	4	0	10.16	30127T5114DR-40

Extension rod



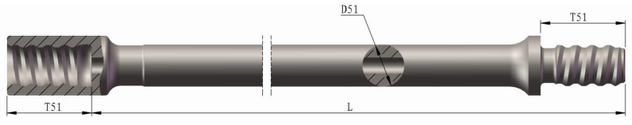
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T51-D51	1525	5	-	51	2	22.0	2051T511525
	1830	6	-	51	2	26.3	2051T511830
	3050	10	-	51	2	43.8	2051T513050
	3660	12	-	51	2	52.6	2051T513660
	4265	14	-	51	2	61.3	2051T514265

MF rod



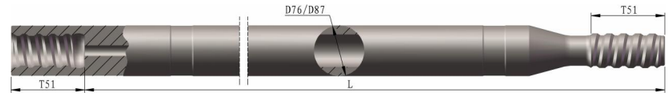
T51-D51	1525	5	-	51	2	26.0	2051T51MF1525
	1830	6	-	51	2	30.4	2051T51MF1830
	3050	10	-	51	2	47.9	2051T51MF3050
	3660	12	-	51	2	56.7	2051T51MF3660
	4265	14	-	51	2	65.4	2051T51MF4265

DMF rod



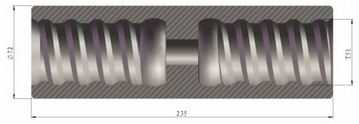
T51-D51	3050	10	-	51	2	48.8	2051T51DMF3050
	3660	12	-	51	2	57.5	2051T51DMF3660
	4265	14	-	51	2	66.2	2051T51DMF4265

Guide tube



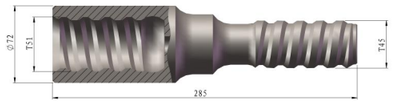
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T51-D76	1220	4	-	76	3	26.5	2276T51MF1220
	1525	5	-	76	3	33.5	2276T51MF1525
	1830	6	-	76	3	40.0	2276T51MF1830
	1220	4	-	87	3 7/16	28.0	2287T51MF1220
	1525	5	-	87	3 7/16	36.0	2287T51MF1525
	1830	6	-	87	3 7/16	42.0	2287T51MF1830

Coupling sleeve



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T51-D72	235	9 1/4	72	2 13/16	4.4	MXQ-T5172235

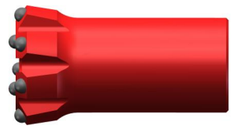
Bit adapter



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
T51F-D72-T45M	285	11 1/4	72	2 13/16	2.7	MXB-T45MT51F72285

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
89	3 1/2	5×12	8×12	4	0	4.60	3089ST58AF13-40
102	4	5×12	8×13	4	0	5.15	30102ST58AF13-40

Retrac button bit

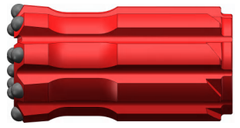




89	3 1/2	5×12	8×13	4	0	4.35	3089ST58AF13R-40
102	4	5×12	8×13	4	0	5.66	30102ST58AF13R-40

Retrac button bit

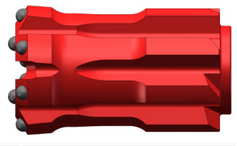




102	4	9×11	9×13	3	0	5.80	30102ST58AF18R-30
115	4 1/2	10×12	9×13	3	0	6.20	30115ST58AF19R-30

Retrac button bit

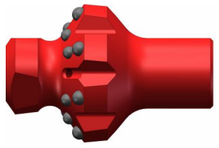




89	3 1/2	5×12	8×12	4	0	4.50	3089ST5813DR-40
102	4	5×12	8×13	4	0	5.22	30102ST5813DR-40
115	4 1/2	6×12	8×13	4	0	6.15	30115ST5814DR-40

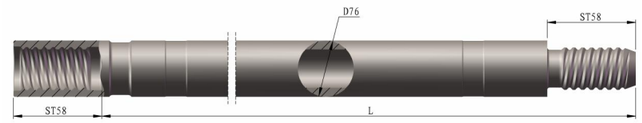
Hole opener reaming bit





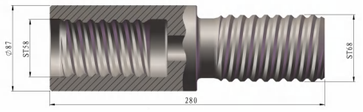
127(80)	5	0	5×12(12×13)	4	0	9.76	30127(80)ST5817KC-40
152(89)	6	0	8×14(8×16)	4	0	14.63	30152(89)ST5816KC-40

Drill tube



Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
ST58-D76	1220	4	-	76	3	27.3	2476ST58DMF1220
	1525	5	-	76	3	39.3	2476ST58DMF1525
	1830	6	-	76	3	39.3	2476ST58DMF1830

Bit adapter



Type	Length		Diameter		Weight	Part no.
	(mm)	(in)	(mm)	(in)	(kg)	
ST58F-D76-ST68M	280	11 1/32	87	3 7/16	6.3	MXB-ST68MST58F87280

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
102	4	9×11	9×12	3	0	9.00	30102MG60AF18-30
115	4 1/2	10×12	9×13	3	0	10.50	30115MG60AF19-30
127	5	10×13	9×14	3	0	12.50	30127MG60AF19-30
140	5 1/2	10×14	9×16	3	0	16.80	30140MG60AF19-30
152	6	12×14	9×16	3	0	18.50	30152MG60AF21-30

Button bit





102	4	5×12	8×13	4	0	10.00	30102MG6013D-40
115	4 1/2	6×12	8×13	4	0	11.50	30115MG6014D-40
127	5	9×13	9×14	3	0	14.00	30127MG6018D-30
140	5 1/2	10×14	9×16	3	0	17.00	30140MG6019D-30
152	6	9×14	10×16	5	0	18.00	30152MG6019D-50

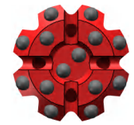
Retrac button bit





102	4	9×11	9×12	3	0	8.50	30102MG60AF18R-30
115	4 1/2	10×12	9×13	3	0	11.40	30115MG60AF19R-30
127	5	10×13	9×14	3	0	13.00	30127MG60AF19R-30
140	5 1/2	10×14	9×16	3	0	17.00	30140MG60AF19R-30
152	6	12×14	9×16	3	0	19.00	30152MG60AF21R-30

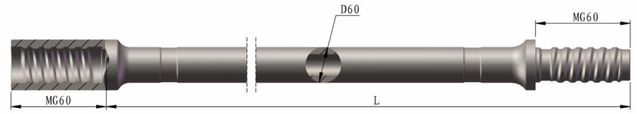
Retrac button bit





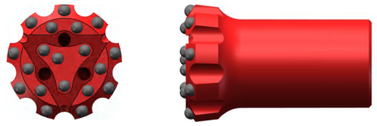
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
102	4	5×12	8×13	4	0	8.50	30102MG6013DR-40
115	4 1/2	6×12	8×13	4	0	11.50	30115MG6014DR-40
127	5	9×13	9×14	3	0	13.50	30127MG6018DR-30
140	5 1/2	10×14	9×16	3	0	17.50	30140MG6019DR-30
152	6	9×14	10×16	5	0	19.40	30152MG6019DR-50

DMF rod



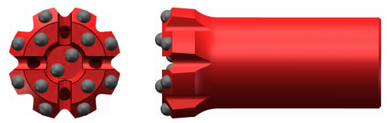
Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
MG60-D60	3660	12	-	60	2 3/8	61.3	2060MG60DMF3660
	4265	14	-	60	2 3/8	69.9	2060MG60DMF4265

Button bit



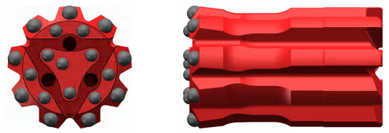
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
102	4	9×11	9×13	3	0	8	30102MT60AF18-30
115	4 1/2	10×12	9×13	3	0	9.3	30115MT60AF19-30
127	5	10×13	9×14	3	0	10.5	30127MT60AF19-30

Button bit



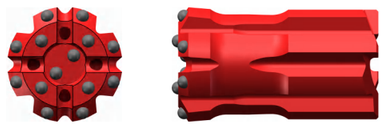
102	4	6×12	8×13	4	0	8.5	30102MT6014D-40
115	4 1/2	6×12	8×13	4	0	10.5	30115MT6014D-40
127	5	6×13	8×14	4	0	13.5	30127MT6014D-40

Retrac button bit



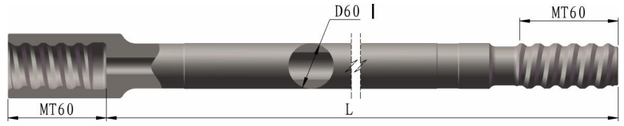
102	4	9×11	9×13	3	0	8.5	30102MT60AF18R-30
115	4 1/2	10×12	9×13	3	0	11.5	30115MT60AF19R-30
127	5	10×13	9×14	3	0	13.5	30127MT60AF19R-30

Retrac button bit



102	4	5×12	8×13	4	0	8.5	30102MT6013DR-40
115	4 1/2	6×12	8×13	4	0	11.5	30115MT6014DR-40
127	5	6×13	8×14	4	0	13.5	30127MT6014DR-40

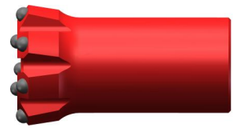
MF rod



Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
MT60-D60	3660	12	-	60	2 3/8	61.3	2060MT60MF3660
	4265	14	-	60	2 3/8	69.9	2060MT60MF4265

Button bit





Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
89	3 1/2	5×12	8×12	4	0	4.80	3089ST68AF13-40
102	4	5×12	8×13	4	0	5.35	30102ST68AF13-40

Retrac button bit

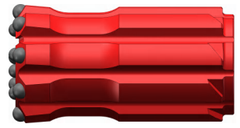




89	3 1/2	5×12	8×13	4	0	4.65	3089ST68AF13R-40
102	4	5×12	8×13	4	0	5.96	30102ST68AF13R-40

Retrac button bit

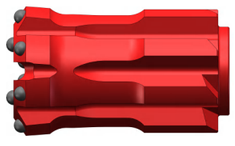




102	4	9×11	9×13	3	0	6.00	30102ST68AF18R-30
115	4 1/2	10×12	9×13	3	0	6.40	30115ST68AF19R-30

Retrac button bit

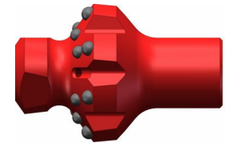




89	3 1/2	5×12	8×12	4	0	4.70	3089ST6813DR-40
102	4	5×12	8×13	4	0	5.42	30102ST6813DR-40
115	4 1/2	6×12	8×13	4	0	6.35	30115ST6814DR-40

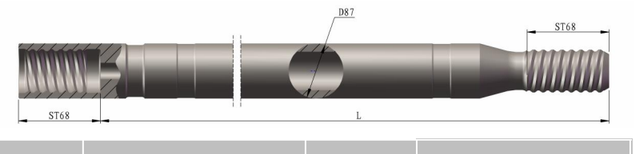
Hole opener reaming bit





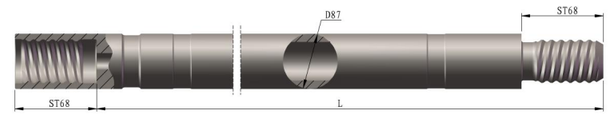
Diameter		Buttons × button diameter(mm)		Flushing hole		Weight	Part no.
(mm)	(in)	Centre	Gauge	Centre	Side	(kg)	
127(80)	5	0	5×12(12×13)	4	0	9.96	30127(80)ST6817KC-40
152(89)	6	0	8×14(8×16)	4	0	14.83	30152(89)ST6816KC-40

Guide tube



Type	Length			Diameter		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
ST68-D87	1220	4	-	87	3 7/16	35.1	2287ST68MF1220
	1525	5	-	87	3 7/16	42.3	2287ST68MF1525
	1830	6	-	87	3 7/16	49.6	2287ST68MF1830

Drill tube



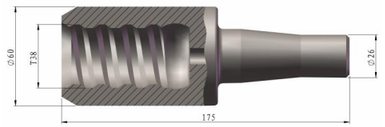
ST68-D87	1220	4	-	87	3 7/16	35.1	2487ST68DMF1220
	1525	5	-	87	3 7/16	42.3	2487ST68DMF1525
	1830	6	-	87	3 7/16	49.6	2487ST68DMF1830



Auxiliary tools

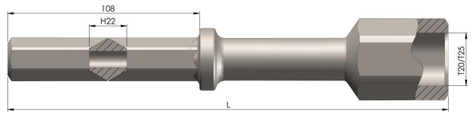
Dolly pusher ---------- 92
Dolly driver ---------- 93
Centralisers ---------- 94
Fishing tools ---------- 95

Dolly pusher



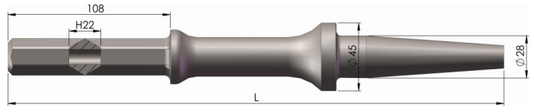
Length			Diameter		Weight	Part no.
(mm)	(ft)	(in)	(mm)	(in)	(kg)	
175	-	6 7/8	26	1 1/32	1.6	M175-T38-26
175	-	6 7/8	30	1 3/16	1.7	M175-T38-30

Dolly pusher



Thread	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
T20	248	-	9 3/4	22	1 3/8	1.0	M248-108-T20
T25	215	-	8 7/16	22	1 3/8	0.9	M215-108-T25

Dolly pusher



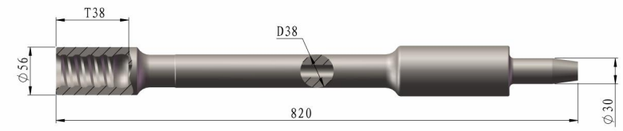
Length			Hex.		Weight	Part no.
(mm)	(ft)	(in)	(mm)	(in)	(kg)	
330	1	1	28	1 1/8	1.2	M330-108-D33

Dolly pusher



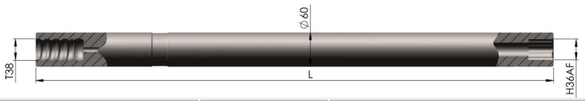
Length			Diameter		Weight	Part no.
(mm)	(ft)	(in)	(mm)	(in)	(kg)	
485	1	7 1/8	35	1 3/8	2.0	M485-T38-35

Dolly pusher



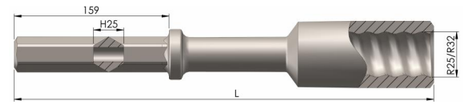
Length			Diameter		Weight	Part no.
(mm)	(ft)	(in)	(mm)	(in)	(kg)	
820	2	8 5/16	30	1 3/16	8.4	MX-T3859820DP

Dolly driver



Length			Diameter		Weight	Part no.
(mm)	(ft)	(in)	(mm)	(in)	(kg)	
155	-	6 1/8	60	2 3/8	2.2	MXQ-T38/H36AF60155
600	1	11 5/8	60	2 3/8	11.7	MXQ-T38/H36AF60600
900	2	11 7/16	60	2 3/8	16.4	MXQ-T38/H36AF60900

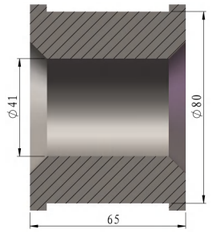
Dolly driver



Thread	Length			Hex.		Weight	Part no.
	(mm)	(ft)	(in)	(mm)	(in)	(kg)	
R25 Female	350	1	1 3/4	22	7/8	1.2	M191-H22-159-R25F
R32 Female	350	1	1 3/4	22	7/8	1.5	M191-H22-159-R32F
R32 Female	350	1	1 3/4	25	1	1.8	M191-H25-159-R32F

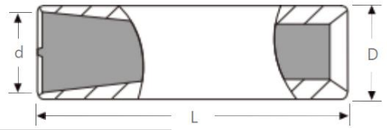
Centralisers

Length		Diameter		Weight	Part no.
(mm)	(in)	(mm)	(in)	(kg)	
65	2 9/16	41	1 5/8	1.9	11527923JD-2
65	2 9/16	66	2 5/8	0.8	11393482JD-2



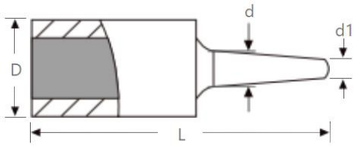
Auxiliary tools

Fishing sleeve



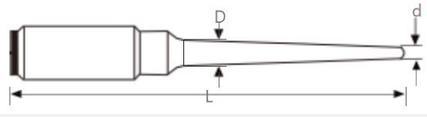
Dimensions						Part no.
Thread		L	D	d	d1	
BT	R32	155	48	42	/	404832RF
	T35	138	48	40	/	404835TF
	T38	175	60	52	/	406038TF
	T38L	355	61	52	/	406138TLF
	T45	205	70	62	/	407045TF
	T51	206	78	70	/	407851TF
	T51L	422	82	76	/	408251TLF
	ST58	250	88	82	/	408858STF
	ST68	290	100	92	/	4010068STF

Fishing pike



PFT	R32	150	46	16	4	414632RF
	R35	165	52	16	4	415235RF
	T35	160	48	16	4	414835TF
	T38	175	60	22	9	416038TF
	T38L	205	59	28	7	415938TLF
	T45	205	63	27	15	416345TF
	T45/2	270	63	25	5	416345TF-2
	T51	225	72	29	14	417251TF
	ST58	270	78	40	20	417858STF
	ST68	350	93	54	20	419368STF
	ST68A	385	93	82	40	419368STF-A

Fishing pike



PFT	T38M	290	20	8	/	412038TM
	T45M	300	24	10	/	412445TM
	T51M	310	26	11	/	412651TM

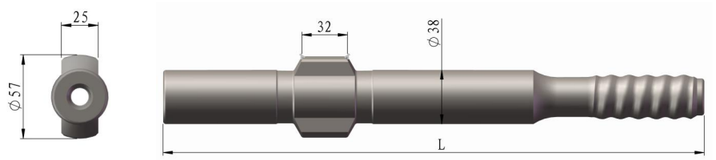
Guide
Small hole drilling
Drifting & tunneling
Bench & long hole drilling
Auxiliary tools
Shank adapter



Shank Adapter

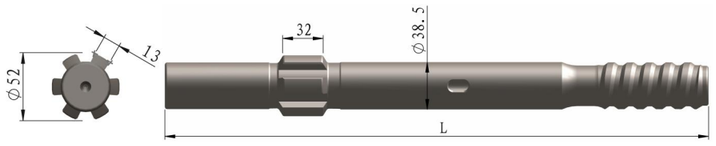
EPIROC ---------- 98
SANDVIK ---------- 104
FURUKAWA ---------- 108
MONTABERT ---------- 112
INGERSOLL-RAND ---------- 114
KRUPP ---------- 116
HYDRASTAR ---------- 116

BBC54/BBC120



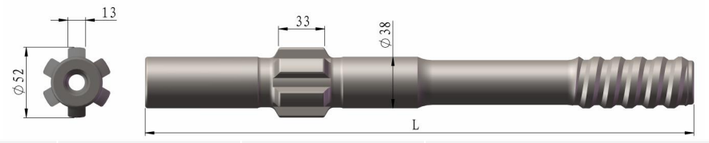
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	38	380	2.70	60W380-2-R32D3801
T38	38	390	3.00	60W390-2-T38D3801

COP131LS



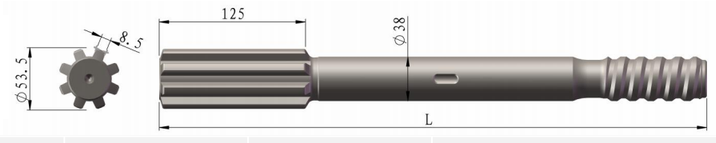
T38	38.5	445	3.80	60W445-6-T38D3901

COP131LS



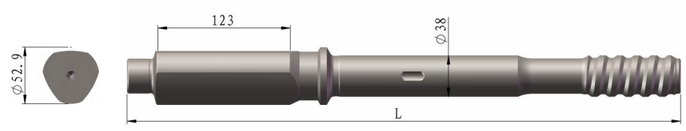
T38	38	405	2.90	60W405-6-T38D3801

COPMD20



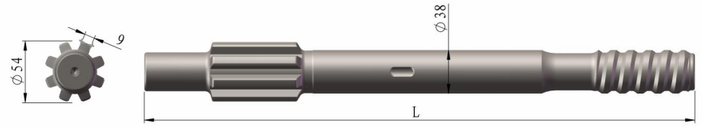
R38	38	470	4.50	60W470-8-R38D3801
T38	38	470	4.40	60W470-8-T38D3801

COP925/COP928/ COP932/COP938



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	38	510	5.00	60W510-3-T38D3801

COP1036/COP1038/ COP1238



R32	38	485	4.00	60W485-8-R32D3801
R38	38	485	4.10	60W485-8-R38D3801
T38	38	485	4.10	60W485-8-T38D3801

COP1036/COP1038/ COP1238

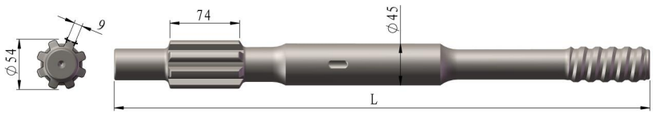
R32	38	500	4.10	60W500-8-R32D3801
R38	38	500	4.10	60W500-8-R38D3801
T38	38	500	4.20	60W500-8-T38D3801

COP1036/COP1038/ COP1238



R32	38	575	4.60	60W575-8-R32D3801
R38	38	575	4.70	60W575-8-R38D3801
T38	38	575	4.90	60W575-8-T38D3801

COP1036/COP1038/ COP1238



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	45	575	5.40	60W575-8-R32D4501
T38	45	575	5.40	60W575-8-T38D4501
T45	45	575	5.80	60W575-8-T45D4501

COP1132/COPRR11



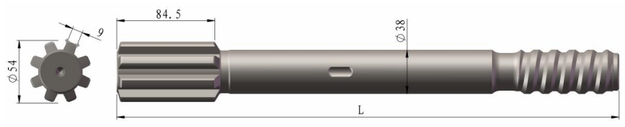
R28	35	410	2.40	60W410-8-R28D3501
R32	35	410	2.60	60W410-8-R32D3501
TA35	35	410	2.60	60W410-8-TA35D3501

COP1140/COPSC14/ COPRR14



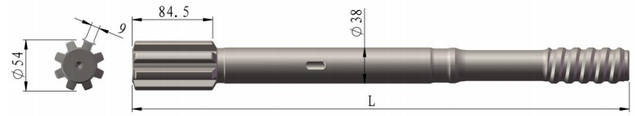
R32	35	410	2.60	60W410-8-R32D3501
TA35	35	410	2.60	60W410-8-TA35D3501

COP1432/COP1440/COP1550/ COP1638/COP1838/COP2238



R32	38	435	3.60	60W435-8-R32D3801
R38	38	435	3.90	60W435-8-R38D3801
T38	38	435	3.80	60W435-8-T38D3801

COP1432/COP1440/COP1550/ COP1638/COP1838/COP2238/ RD14U/RD18U



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	38	525	4.20	60W525-8-R32D3801
R38	38	525	4.30	60W525-8-R38D3801
TA35	38	525	4.30	60W525-8-TA35D3801
T38	38	525	4.50	60W525-8-T38D3801

COP1432/COP1440/COP1550/ COP1638/COP1838/COP2238/ RD14U/RD18U



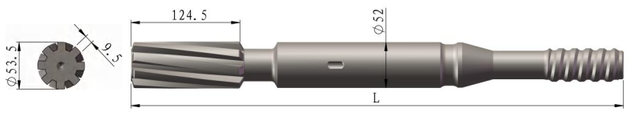
TA35	52	525	5.80	60W525-8-TA35D5201
T38	52	525	5.90	60W525-8-T38D5201
T45	52	525	6.10	60W525-8-T45D5201
T51	52	525	6.50	60W525-8-T51D5201

COP1838MUX



T38	52	730	9.60	60W730-8-T38D5201
T45	52	730	9.90	60W730-8-T45D5201

COP1640/COP1840/COP1850



TA35	52	565	6.40	60W565-8-TA35D5201
T38	52	565	6.60	60W565-8-T38D5201
T45	52	565	6.80	60W565-8-T45D5201
T51	52	565	7.20	60W565-8-T51D5201

COP2160/COP2560



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	60	770	11.20	60W770-12-T38D6001
T45	60	770	11.60	60W770-12-T45D6001
T51	60	770	11.70	60W770-12-T51D6001

COP2160EX/COP2560EX



T38	63	770	13.20	60W770-12-T38D6301
T45	63	770	13.30	60W770-12-T45D6301
T51	63	770	14.00	60W770-12-T51D6301

COP2550UX



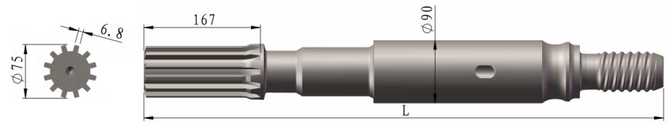
T45	60	770	12.90	60W770-8-T45D601
T51	60	770	13.10	60W770-8-T51D6001

COP3060MEX



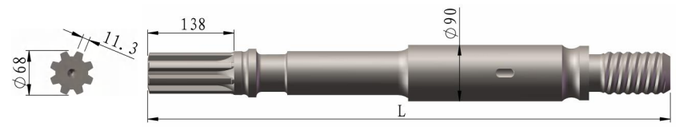
T51	60	840	16.70	60W840-12-T51D6001
GT60	60	840	16.80	60W840-12-MG60D6001
MT60	60	840	16.80	60W840-12-MT60D6001

COP3060MUX



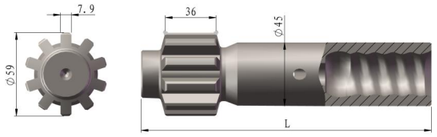
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
ST58	90	745	24.00	60W745-12-ST58D9001
ST68	90	745	24.00	60W745-12-ST68D9001

COP4050MUX



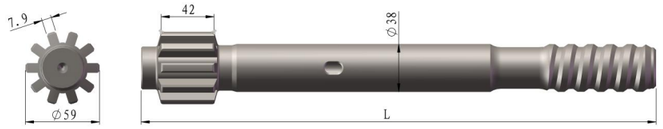
ST58	90	835	26.80	60W835-8-ST58D9001
ST68	90	835	26.90	60W835-8-ST68D9001

RD308/RD314/RD414



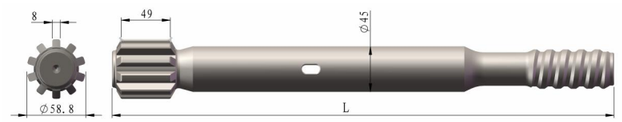
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32 Female	45	205	2.00	60W205-10-R32FD4502

RD308/RD314/RD414



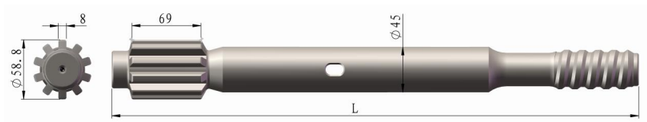
R32	38	410	4.00	60W410-10-R32D3802
TA35	38	410	4.00	60W410-10-TA35D3802
T38	38	410	4.20	60W410-10-T38D3802

HLX5/HLX5T/HFX5T/RDX5



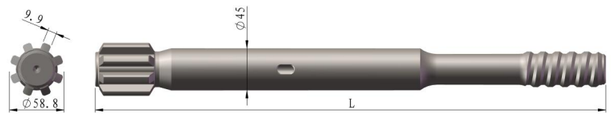
R32	45	500	5.10	60W500-10-R32D4502
T38	45	500	5.30	60W500-10-T38D4502
T45	45	500	5.30	60W500-10-T45D4502

RD520/RD525



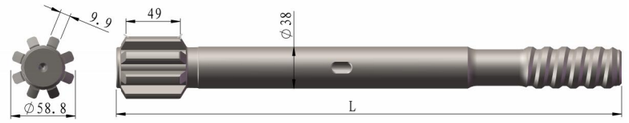
T38	45	525	5.60	60W525-10-T38D4502
T45	45	525	5.60	60W525-10-T45D4502

HL500/HL510/HL510S/ HL550S/HL560S



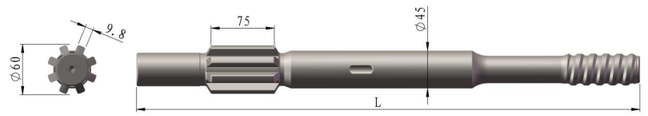
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	45	550	5.40	60W550-8-R32D4502
TA35	45	550	5.40	60W550-8-TA35D4502
T38	45	550	5.60	60W550-8-T38D4502
T45	45	550	5.90	60W550-8-T45D4502

HL500S/HL510S/ HL510B/HL510LH



R32	38	460	3.90	60W460-8-R32D3802
R38	38	460	4.20	60W460-8-R38D3802
T38	38	460	4.20	60W460-8-T38D3802

HL600/HL600S



T38	45	600	5.90	60W600-8-T38D4502
T45	45	600	6.50	60W600-8-T45D4502

HL650/HL700/HL710/ HL800T/HL810T/HF810T/ HL820T/HF820T



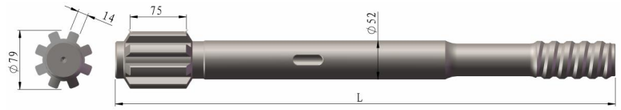
T38	45	600	7.60	60W600-8-T38D4502
T45	45	600	8.10	60W600-8-T45D4502

HL650/HL700/HL710/HL710PE/
HL710SPE/HL810/HF810T/HL820/
HF820T/HL810T/HF810TPE/HLHF820TPE/
HF820TPE/HL810ST/HL820ST



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	52	600	8.00	60W600-8-T38D5202
T45	52	600	8.50	60W600-8-T45D5202
T51	52	600	8.50	60W600-8-T51D5202

HL1000/HL1000S/
HL1010/HL1010S



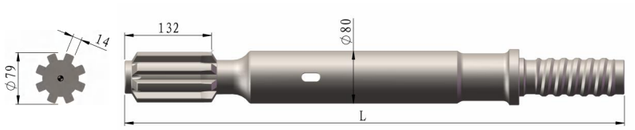
T45	52	670	9.70	60W670-8-T45D5202
T51	52	670	10.00	60W670-8-T51D5202

HL1000PE/HL1010PE/HL1060T/
HL1060TPE/HL1560T/HL1560TPE



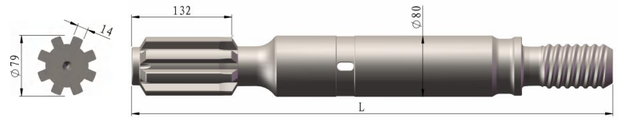
T51	65	760	16.00	60W760-8-T51D6502
GT60	65	760	17.00	60W760-8-MG60D6502

HL1060T/HL1500T/HL1560T/
HF1560T/RD1635CF/RD1725/
RD1735/RD1740



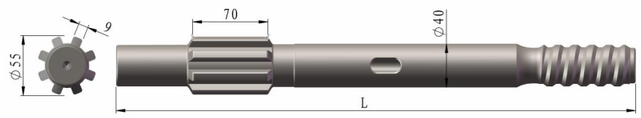
GT60	80	760	18.00	60W760-8-MG60D8002

HL1500/HL1560S/RD1735



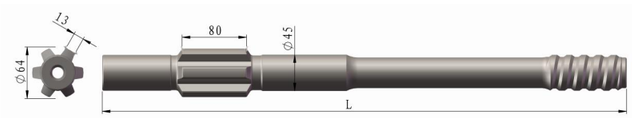
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
ST58	80	635	17.00	60W635-8-ST58D8002
ST68	80	635	17.00	60W635-8-ST68D8002

HD190



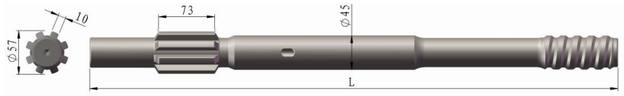
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	40	480	4.90	60W480-8-T38D4003

HD300



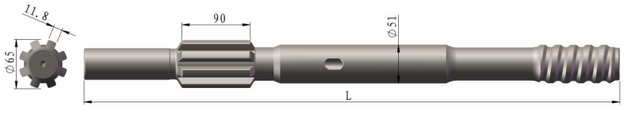
T38	45	655	6.00	60W655-6-T38D4503
T45	45	655	6.70	60W655-6-T45D4503

HD609



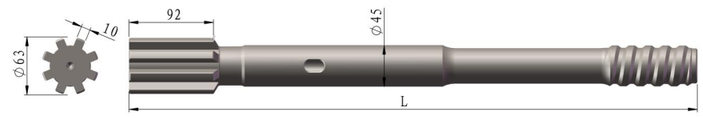
T38	45	620	6.00	60W620-8-T38D4503
T38	45	690	6.30	60W690-8-T38D4503
T45	45	620	6.40	60W620-8-T45D4503
T45	45	690	6.70	60W690-8-T45D4503

HD612



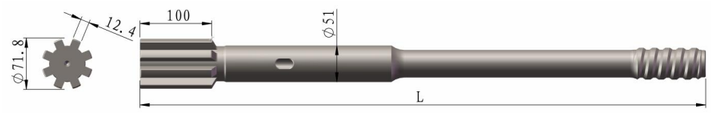
T38	51	710	8.60	60W710-8-T38D5103
T45	51	710	8.90	60W710-8-T45D5103
T51	51	710	9.00	60W710-8-T51D5103

HD709/HD818



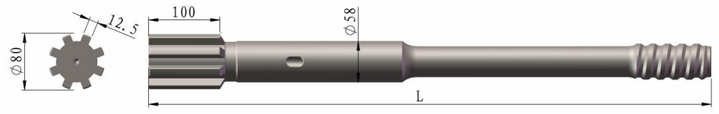
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	45	590	6.00	60W590-8-T38D4503
T38	45	620	6.30	60W620-8-T38D4503
T45	45	590	6.50	60W590-8-T45D4503
T45	45	620	6.80	60W620-8-T45D4503

HD712/HD822/HD826



T38	51	590	8.00	60W590-8-T38D5103
T38	51	790	8.90	60W790-8-T38D5103
T45	51	590	8.40	60W590-8-T45D5103
T45	51	790	9.50	60W790-8-T45D5103
T51	51	590	8.80	60W590-8-T51D5103
T51	51	790	10.80	60W790-8-T51D5103

HD715/HD812



T45	58	590	9.50	60W590-8-T45D5803
T45	58	790	11.20	60W790-8-T45D5803
T51	58	590	9.70	60W590-8-T51D5803
T51	58	790	12.70	60W790-8-T51D5803
GT60	58	790	14.40	60W790-8-MG60D5803

HD709RP/HD818RP



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	45	785	8.80	60W785-8-T38D4503
T38	45	815	9.00	60W815-8-T38D4503
T45	45	785	9.20	60W785-8-T45D4503
T45	45	815	9.50	60W815-8-T45D4503

HD712RP/HD822RP/ HD826RP



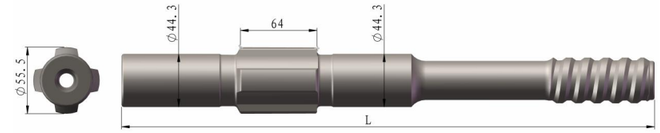
T38	51	785	11.30	60W785-8-T38D5103
T38	51	855	12.20	60W855-8-T38D5103
T45	51	785	11.50	60W785-8-T45D5103
T45	51	855	12.60	60W855-8-T45D5103
T51	51	785	11.70	60W785-8-T51D5103
T51	51	855	13.00	60W855-8-T51D5103

HD715RP/HD828RP



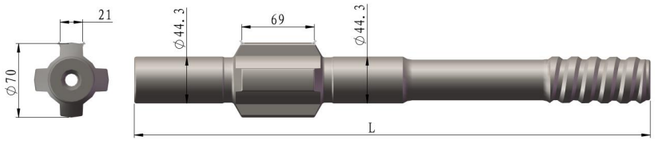
T45	58	785	11.00	60W785-8-T45D5803
T45	58	885	15.20	60W885-8-T45D5803
T51	58	785	11.50	60W785-8-T51D5803
T51	58	885	15.80	60W885-8-T51D5803

PD200/PR123/ VL120/VL140



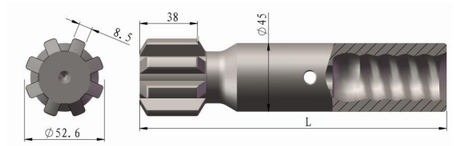
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	44.3	380	3.00	60W380-4-R32D4403
R38	44.3	380	4.10	60W380-4-R38D4403
T38	44.3	380	3.60	60W380-4-T38D4403
R32	44.3	446	4.00	60W446-4-R32D4403
R38	44.3	446	4.00	60W446-4-R38D4403
T38	44.3	446	4.00	60W446-4-T38D4403

PD200R



T38	44.3	380	3.95	60W380-4-T38D4403
T38	44.3	446	4.65	60W446-4-T38D4403
T38	44.3	495	5.15	60W495-4-T38D4403
T45	44.3	495	5.35	60W495-4-T45D4403

HC25



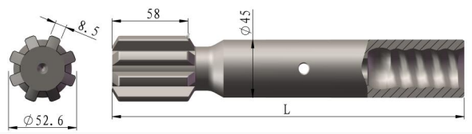
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R28 Female	45	202	1.40	60W202-8-R28FD4504
R32 Female	45	202	1.90	60W202-8-R32FD4504

HC25



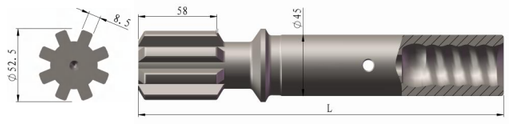
26°	45	570	6.40	60W570-8-26°D4504

HC28



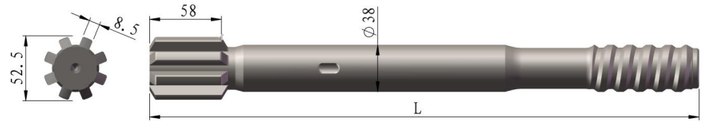
R28 Female	45	272	2.70	60W272-8-R28FD4504
R32 Female	45	272	2.70	60W272-8-R32FD4504

HC40/HC50



R32 Female	45	270	2.80	60W270-8-R32FD4504

HC40/HC50

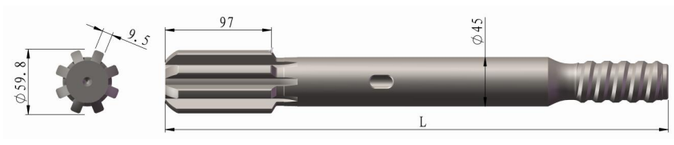


R32	38	447	3.50	60W447-8-R32D3804
R38	38	447	4.00	60W447-8-R38D3804
T38	38	372	3.50	60W372-8-T38D3804
T38	38	447	4.00	60W447-8-T38D3804

MONTABERT

Guide
Small hole drilling
Drifting & tunneling
Bench & long hole drilling
Auxiliary tools
Shank adapter

HC80/HC105/HC109/ HC110/HC120



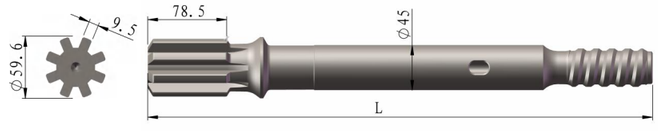
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32	45	460	4.50	60W460-8-R32D4504
R32	45	490	4.90	60W490-8-R32D4504
R38	45	415	4.25	60W415-8-R38D4504
R38	45	460	4.75	60W460-8-R38D4504
R38	45	490	5.25	60W490-8-R38D4504
T38	45	415	4.45	60W415-8-T38D4504
T38	45	460	5.00	60W460-8-T38D4504
T38	45	490	5.30	60W490-8-T38D4504

HC95RP



T38	45	503	6.00	60W503-8-T38D4504

HC95R



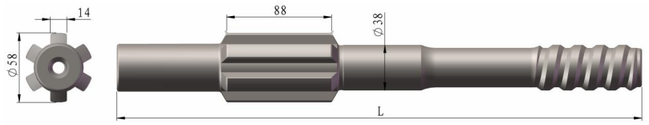
T38	45	503	5.80	60W503-8-T38D4504

HC120RP/HC150RP/ HC155RP/158RP



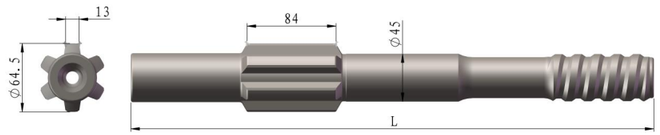
T45	51	670	11.00	60W670-8-T45D5104
T51	51	670	11.20	60W670-8-T51D5104

YH45/YH50



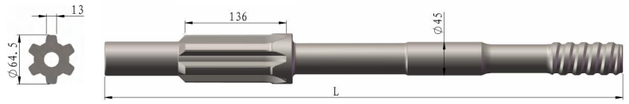
Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T38	38	440	3.80	60W440-6-T38D3805

YH65/YH80



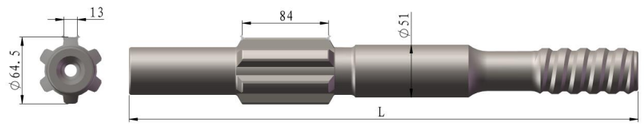
T38	45	490	5.40	60W490-6-T38D4505
T45	45	500	5.50	60W500-6-T45D4505

YH65RP/YH70RP/ YH75RP/YH80RP



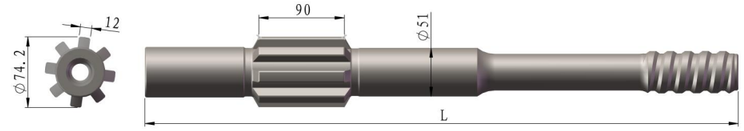
T45	45	700	7.80	60W700-6-T45D4505

YH80A



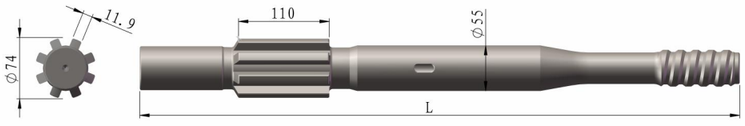
T45	51	495	6.10	60W495-6-T45D5105

YH95



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T45	51	625	8.50	60W625-8-T45D5105
T51	51	625	8.80	60W625-8-T51D5105

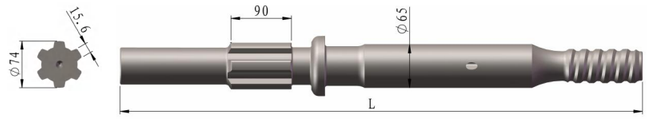
YH110V/YH135



T45	55	728	11.20	60W728-8-T45D5505
T51	55	728	11.70	60W728-8-T51D5505

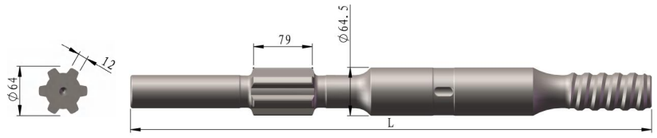
KRUPP

Krupp HB 32



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
T45	65	780	16.40	60W780-6-T45D6506
T51	65	780	16.80	60W780-6-T51D6506

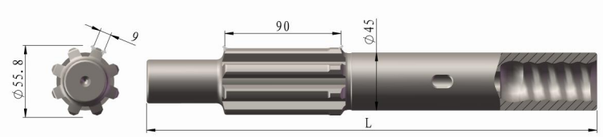
Krupp HB 101



T45	64.5	699	11.40	60W699-6-T45D6506
T51	64.5	699	11.80	60W699-6-T51D6506

HYDRASTAR

Hydrastar 200



Thread	Diameter	Lenghth	Weight	Part no.
	(mm)	(mm)	(kg)	
R32 Female	45	351	3.70	60W351-8-R32FD4507