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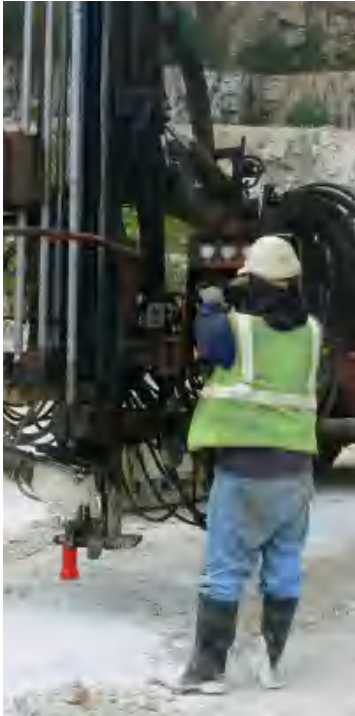
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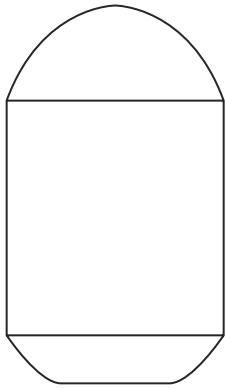
Shank Adaptor

70

# Information & classification

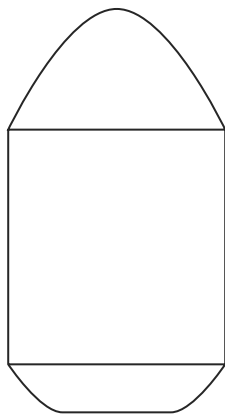
# Guides

## Carbide profile design



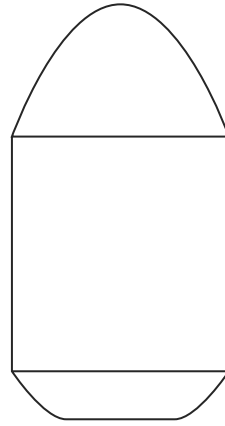
### Hemispherical

SEM = Semispherical button  
Usually for **very hard rocks**



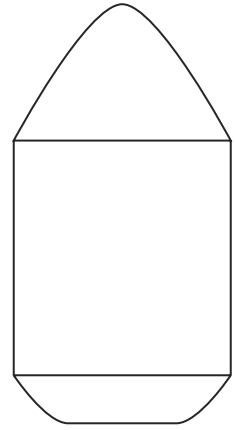
### Ballistic

BAL = Ballistic button  
Usually for **medium hard rocks**



### Parabolic/ Semiballistic

BAL = Parabolic button  
Usually for **medium hard rocks**



### Conical/Spike

CON = Conical carbide  
*on request*  
Usually for **soft rocks**

## Guide of product code

Taper bit (i.e. 30322207-04)

30	32	22	07	04
30: Button bit 31: Chisel bit 32: Cross bit	Head diameter: 32 mm	22: Hex. 22 mm 25: Hex. 25 mm	Buttons	Taper degree: 04: 4° 46'

## Thread bit (i.e. 3089T38F14R)

30	89	T38	F	14	D	R	K
30: Button bit 31: Chisel bit 32: Cross bit	Head diameter: 89 mm	Thread: T38	Flushing	Buttons	D: Drop center design	R: Retrac body	KP: Pilot bit KR: Reaming bit KD: Dome bit KC: Cut holes/ Dome bit

**Note:** Face flushing

Face + Side + Flushing

Face + Reverse + Flushing

## Drifter rod (i.e. 2132T38R3230)

21	32	T38	R32	30
20: Round 21: Hexagon	Rod diameter: 32 mm	T38: On shank end	R32: On bit end	Rod length: 30: 3050 mm

## Extension rod (i.e. 2038T3830)

20	38	T38	30
20: Round 21: Hexagon	Rod diameter: 38 mm	Thread: T38	Rod length: 30: 3050 mm

## MF rod (i.e. 2038T38MF30)

20	38	T38	MF	30
20: Round 21: Hexagon	Rod diameter: 38 mm	Thread: T38	MF rod	Rod length: 30: 3050 mm

# Information & classification

# Guides

## Guide of product code

### Integral drill rod & plug hole drill rod (i.e. 00220434)

00	22	04	34
00: IDS 01: Plug hole drill rod	19: Hex. 19 mm 22: Hex. 22 mm 25: Hex. 25 mm	Length: 04: 400 mm	Head diameter: 34 mm

### Tapered drill steel (i.e. 10220611)

10	22	06	04
10: TDS	19: Hex. 19 mm 22: Hex. 22 mm 25: Hex. 25 mm	Length: 06: 600 mm	Taper degree: 11: 11°

**Note:** We have two kinds of materials for choosing, Sandbar 20 & Sandbar 64

### Auxiliary tools (i.e. 404838TF)

40	48	38T	F
40: Fishing sleeve 41: Fishing pike	Diameter	Thread: 38T 38R	Female



### Drop center/Standard skirt

Code: D

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



### Drop center/Retrac skirt

Code: DR

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



### Flat front/Standard skirt

Code: –

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.



### Flat front/Retrac skirt

Code: R

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

Small hole

# Drilling

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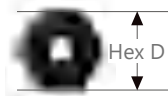


# Small hole Drilling

Stone tools  
Plug hole rods

Small hole  
drilling

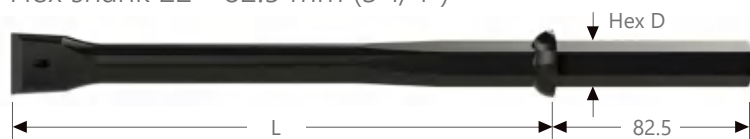
## Plug hole drill rod



Hex shank 22 \* 108 mm (4 1/4")



Hex shank 22 \* 82.5 mm (3 1/4")

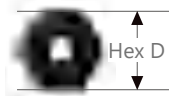


Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
230	-	9 1/8	22	7/8	01220231
250	-	9 7/8	22	7/8	01220251
300	-	11 7/8	22	7/8	01220301
350	1	1 3/4	22	7/8	01220351
400	1	3 3/4	22	7/8	01220401
500	1	7 3/4	22	7/8	01220501

230	-	9 1/8	22	7/8	01220232
250	-	9 7/8	22	7/8	01220252
300	-	11 7/8	22	7/8	01220302
350	1	1 3/4	22	7/8	01220352
400	1	3 3/4	22	7/8	01220402
500	1	7 3/4	22	7/8	01220502

# H22 (7/8") Integral drill steels

## Integral drill steels



H22 \* 108 mm (4 1/4")



Series	Dimensions L			Dimensions D		Part no.
	mm	ft	in	mm	in	
11	800	2	7	34	1 11/32	00220834
	1600	5	3	33	1 19/64	00221633
	2400	7	10	32	1 1/4	00222432
	3200	10	6	31	1 7/32	00223231
	4000	13	1	30	1 3/16	00224030
	4800	5	-	29	1 9/64	00224829
12	800	2	7	40	1 37/64	00220840
	1600	5	3	39	1 17/32	00221639
	2400	7	10	38	1 1/2	00222438
	3200	10	6	37	1 29/64	00223237
	4000	13	1	36	1 27/64	00224036
	4800	5	-	35	1 3/8	00224835
13	400	1	4	34	1 11/32	00220434
	800	2	7	33	1 19/64	00220833
	1200	3	11	32	1 1/4	00221232
	1600	5	3	31	1 7/32	00221631
	2000	6	7	30	1 3/16	00222030
16	600	2	-	35	1 3/8	00220635
	1200	3	11	34	1 11/32	00221234
	1800	5	7	33	1 5/16	00221833
	2400	7	10	32	1 1/4	00222432
17	600	2	-	41	1 5/8	00220641
	1200	3	11	40	1 37/64	00221240
	1800	5	7	39	1 17/32	00221839
	2400	7	10	38	1 1/2	00222438

Small hole  
drilling

# Small hole Drilling

H22 (7/8")  
Taper tools, 6° taper

Small hole  
drilling

## Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
H22								
32	1 1/4	2×4	1×4	2×7	5×7	40°	-	30322207-06
34	1 11/32	2×4	1×4	2×7	5×7	40°	-	30342207-06
36	1 27/64	2×4.5	1×4.5	2×7	5×8	40°	-	30362207-06
38	1 1/2	2×5	1×4.5	2×7	5×8	40°	-	30382207-06
41	1 5/8	2×5	1×5	2×7	5×9	40°	-	30412207-06



## H22

34	1 11/32	2×4	1×4	2×7	6×7	35°	-	30342208-06
36	1 27/64	2×4.5	1×4.5	2×7	6×7	35°	-	30362208-06
38	1 1/2	2×5	1×4.5	2×7	6×8	35°	-	30382208-06
40	1 37/64	2×5	1×5	2×8	6×8	35°	-	30402208-06



## H25

36	1 27/64	2×4.5	1×4.5	2×7	5×8	35°	-	30362507-06
38	1 1/2	2×5	1×4.5	2×8	5×8	35°	-	30382507-06
41	1 5/8	2×5	1×5	2×7	5×9	35°	-	30412507-06
43	1 11/16	2×5	1×5	2×8	5×9	35°	-	30432507-06



## Chisel bit

### H22

30	1 3/16	-	2×5	-	-	-	-	313022-06
32	1 1/4	-	2×5	-	-	-	-	313222-06
34	1 11/32	-	2×5	-	-	-	-	313422-06
36	1 27/64	-	2×5	-	-	-	-	313622-06
38	1 1/2	-	2×5.5	-	-	-	-	313822-06
40	1 37/64	-	2×5.5	-	-	-	-	314022-06



### H25

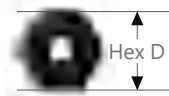
30	1 3/16	-	2×5	-	-	-	-	313025-06
32	1 1/4	-	2×5	-	-	-	-	313225-06
34	1 11/32	-	2×5	-	-	-	-	313425-06
36	1 27/64	-	2×5	-	-	-	-	313625-06
38	1 1/2	-	2×5.5	-	-	-	-	313825-06
40	1 37/64	-	2×5.5	-	-	-	-	314025-06



# H22 (7/8")

Taper tools, 6° taper

## Drill rod



Hex shank 22 \* 108 mm



Hex shank 25 \* 108 mm



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
600	2	-	22	7/8	10220606
800	2	7	22	7/8	10220806
1200	3	11	22	7/8	10221206
1600	5	3	22	7/8	10221606
2400	7	10	22	7/8	10222406
3200	10	6	22	7/8	10223206
4000	13	1	22	7/8	10224006

800	2	7	25	1	10250806
1600	5	3	25	1	10251606
2400	7	10	25	1	10252406
3200	10	6	25	1	10253206
4000	13	1	25	1	10254006

Small hole  
drilling

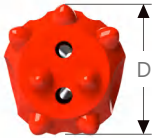
# Small hole Drilling

H22 (7/8")  
Taper tools, 7° taper

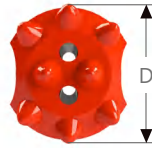
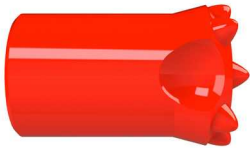
Small hole drilling

## Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
H22								
32	1 1/4	2×4	1×4	2×7	5×7	40°	-	30322207-07
34	1 11/32	2×4	1×4	2×7	5×7	40°	-	30342207-07
36	1 13/32	2×4.5	1×4.5	2×7	5×8	40°	-	30362207-07
38	1 1/2	2×5	1×4.5	2×7	5×8	40°	-	30382207-07
41	1 5/8	2×5	1×5	2×7	5×9	40°	-	30412207-07

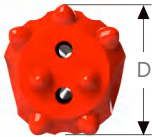


## H22



34	1 11/32	2×4	1×4	2×7	6×7	35°	-	30342208-07
36	1 13/32	2×4.5	1×4.5	2×7	6×7	35°	-	30362208-07
38	1 1/2	2×5	1×4.5	2×7	6×8	35°	-	30382208-07
41	1 5/8	2×5	1×5	2×8	6×8	35°	-	30412208-07

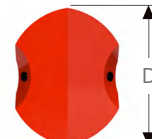
## H25



36	1 13/32	2×4.5	1×4.5	2×7	5×8	35°	-	30362507-07
38	1 1/2	2×5	1×4.5	2×8	5×8	35°	-	30382507-07
41	1 5/8	2×5	1×5	2×7	5×9	35°	-	30412507-07
43	1 11/16	2×5	1×5	2×8	5×9	35°	-	30432507-07

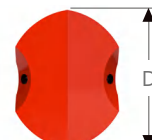
## Chisel bit

### H22



30	1 3/16	-	2×5	-	-	-	-	313022-07
32	1 1/4	-	2×5	-	-	-	-	313222-07
34	1 11/32	-	2×5	-	-	-	-	313422-07
36	1 27/64	-	2×5	-	-	-	-	313622-07
38	1 1/2	-	2×5.5	-	-	-	-	313822-07
40	1 37/64	-	2×5.5	-	-	-	-	314022-07

### H25



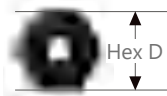
36	1 13/32	-	2×5	-	-	-	-	313625-07
38	1 1/2	-	2×5.5	-	-	-	-	313825-07
41	1 5/8	-	2×5.5	-	-	-	-	314125-07
43	1 11/16	-	2×5.5	-	-	-	-	314325-07



# H22 (7/8")

Taper tools, 7° taper

## Drill rod



Hex shank 22 \* 108 mm



Hex shank 25 \* 108 mm



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
600	2	-	22	7/8	10220607
800	2	7	22	7/8	10220807
1200	3	11	22	7/8	10221207
1600	5	3	22	7/8	10221607
2400	7	10	22	7/8	10222407
3200	10	6	22	7/8	10223207
4000	13	1	22	7/8	10224007

800	2	7	25	1	10250807
1600	5	3	25	1	10251607
2400	7	10	25	1	10252407
3200	10	6	25	1	10253207
4000	13	1	25	1	10254007

Small hole  
drilling

# Small hole Drilling

H22 (7/8")  
Taper tools, 11° taper

Small hole  
drilling

## Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			

H22



34	1 11/32	1×4.5	2×4.5	2×7	5×7	35°	-	30342207-11
36	1 27/64	1×5	2×5	2×7	5×8	35°	-	30362207-11
38	1 1/2	1×5.5	2×5	2×8	5×8	35°	-	30382207-11
41	1 5/8	1×5.5	2×5.5	2×7	5×9	35°	-	30412207-11

H22



34	1 11/32	1×4.5	2×4.5	2×7	6×7	35°	-	30342208-11
36	1 27/64	1×5	2×5	2×7	6×7	35°	-	30362208-11
38	1 1/2	1×5.5	2×5	2×7	6×8	35°	-	30382208-11
41	1 5/8	1×5.5	2×5.5	2×8	6×8	35°	-	30412208-11

H25



36	1 27/64	2×4	1×4	2×7	5×8	35°	-	30362507-11
38	1 1/2	2×5	1×5	2×8	5×8	35°	-	30382507-11
41	1 5/8	2×5	1×5	2×7	5×9	35°	-	30412507-11
43	1 11/16	2×5	1×5	2×8	5×9	35°	-	30432507-11

## Chisel bit

H22



30	1 3/16	-	2×5	-	-	-	-	313022-11
32	1 1/4	-	2×5	-	-	-	-	313222-11
34	1 11/32	-	2×5	-	-	-	-	313422-11
36	1 27/64	-	2×5	-	-	-	-	313622-11
38	1 1/2	-	2×5.5	-	-	-	-	313822-11
40	1 37/64	-	2×5.5	-	-	-	-	314022-11

H25



30	1 3/16	-	2×5	-	-	-	-	313025-11
32	1 1/4	-	2×5	-	-	-	-	313225-11
34	1 11/32	-	2×5	-	-	-	-	313425-11
36	1 27/64	-	2×5	-	-	-	-	313625-11
38	1 1/2	-	2×5.5	-	-	-	-	313825-11
40	1 37/64	-	2×5.5	-	-	-	-	314025-11

# H22 (7/8")

Taper tools, 11° taper

## Drill rod



Hex shank 22 \* 108 mm



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
610	2	-	22	7/8	10220611
1220	4	-	22	7/8	10221211
1830	6	-	22	7/8	10221811
2000	6	7	22	7/8	10222011
2440	8	-	22	7/8	10222411
3050	10	-	22	7/8	10223011
3200	10	6	22	7/8	10223211
3660	12	-	22	7/8	10223611

Small hole  
drilling

# Small hole Drilling

H22 (7/8")  
Taper tools, 12° taper

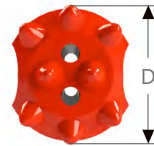
Small hole drilling

## Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
H22								
32	1 1/4	2×4	1×4	2×7	5×7	40°	-	30322207-12
33	1 5/16	2×4	1×4	2×7	5×7	40°	-	30332207-12
35	1 3/8	2×4	1×5	2×7	5×7	40°	-	30352207-12
36	1 13/32	2×4.5	1×5	2×7	5×8	40°	-	30362207-12
38	1 1/2	2×4.5	1×5	2×8	5×8	40°	-	30382207-12
40	1 9/16	2×5	1×5	2×8	5×8	40°	-	30402207-12



## H22



32	1 1/4	2×4.5	1×4.5	2×7	6×7	15°, 35°	-	30322208-12
34	1 11/32	2×4.5	1×4.5	2×7	6×7	15°, 35°	-	30342208-12
38	1 1/2	2×5	1×5	2×8	6×8	15°, 35°	-	30382208-12
45	1 3/4	2×5.5	2×4	2×8	6×9	15°, 35°	-	30452208-12

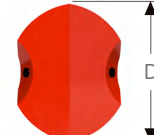
## H25



36	1 13/32	2×4.5	1×5	2×7	5×8	35°	-	30362507-12
38	1 1/2	2×4.5	1×5	2×8	5×8	35°	-	30382507-12
41	1 9/16	2×5	1×5	2×7	5×9	35°	-	30412507-12
43	1 11/16	2×5	1×5	2×8	5×9	35°	-	30432507-12

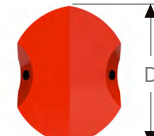
## Chisel bit

### H22



30	1 3/16	-	2×5	-	-	-	-	313022-12
32	1 1/4	-	2×5	-	-	-	-	313222-12
34	1 11/32	-	2×5	-	-	-	-	313422-12
36	1 27/64	-	2×5	-	-	-	-	313622-12
38	1 1/2	-	2×5.5	-	-	-	-	313822-12
40	1 37/64	-	2×5.5	-	-	-	-	314022-12

### H25

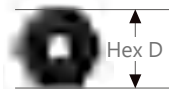


30	1 3/16	-	2×5	-	-	-	-	313025-12
32	1 1/4	-	2×5	-	-	-	-	313225-12
34	1 11/32	-	2×5	-	-	-	-	313425-12
36	1 27/64	-	2×5	-	-	-	-	313625-12
38	1 1/2	-	2×5.5	-	-	-	-	313825-12
40	1 37/64	-	2×5.5	-	-	-	-	314025-12

# H22 (7/8")

Taper tools, 12° taper

**Drill rod**



Hex shank 22 \* 108 mm



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
610	2	-	22	7/8	10220612
1220	4	-	22	7/8	10221212
1830	6	-	22	7/8	10221812
2000	6	7	22	7/8	10222012
2440	8	-	22	7/8	10222412
3050	10	-	22	7/8	10223012
3200	10	6	22	7/8	10223212
3660	12	-	22	7/8	10223612

Small hole drilling

# Drifting & tunneling

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R25 (1")  
Thread

28

R28 (1 1/8")  
Thread

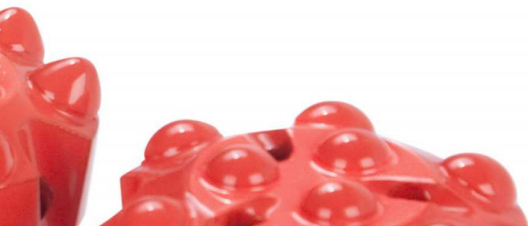
30

R32 (1 1/4")  
Thread

32

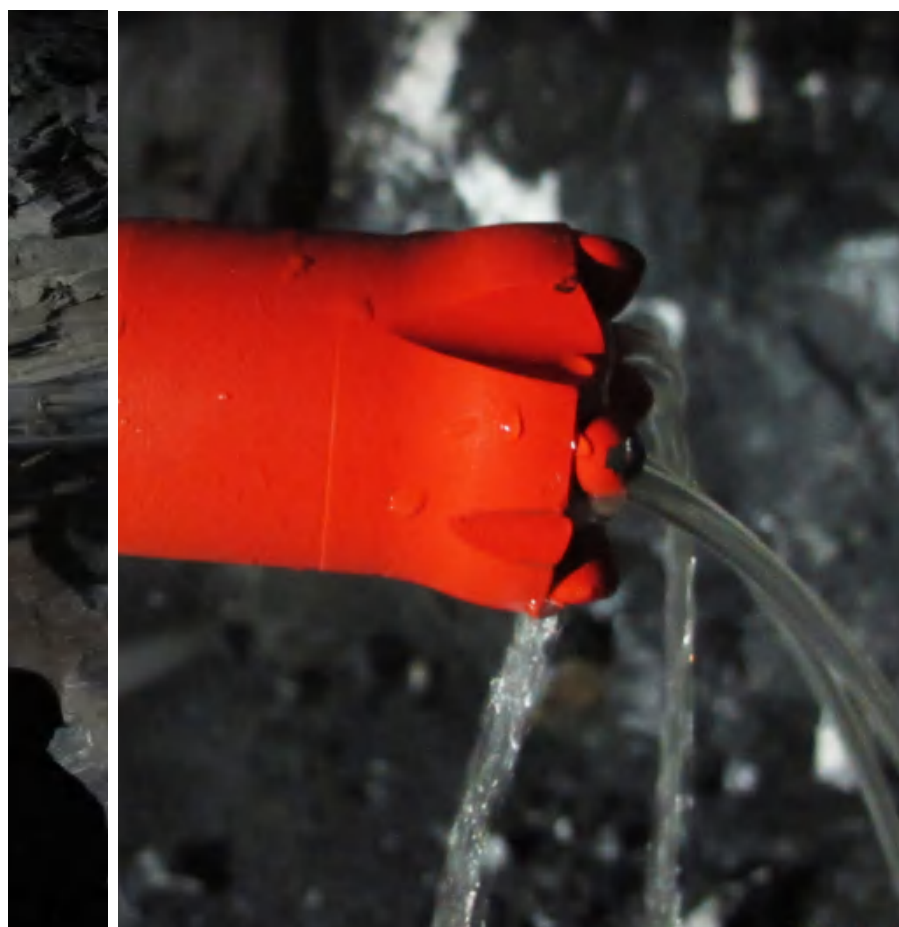
R35 (1 3/8")  
Thread

37










# Drifting & tunneling

R25 (1")  
Thread


## Button bit

	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	33	1 5/16	1×5	1×5	2×7	5×7	30°	H	3033R2507
	35	1 3/8	1×5	1×5	2×7	5×8	30°	H	3035R2507
	38	1 1/2	1×5	2×5	2×7	5×9	30°	H	3038R2507
	41	1 5/8	1×5	2×5	2×8	5×9	30°	H	3041R2507
	43	1 11/16	1×5	2×5	2×8	5×10	30°	H	3043R2507
	45	1 3/4	1×5.5	2×5.5	2×9	5×11	30°	H	3045R2507
	33	1 5/16	2×4.5	2×4.5	2×7	6×7	30°	S	3033R2508
	41	1 5/8	2×5.5	2×5	2×8	6×9	30°	S	3041R2508
	38	1 1/2	2×5	2×5	2×8	6×8	30°	S	3038R25F08
	43	1 11/16	3×5	-	3×8	6×9	30°	M	3043R2509
	45	1 3/4	3×5	1×5	3×8	6×10	30°	M	3045R2509


Drifting  
& tunneling

## Reaming tools

### Pilot bit 6° taper

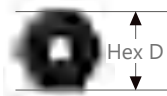
	40	1 37/64	2×5	2×5.5	2×8	4×9	30°	-	3040R2506KP
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### Reaming bit 6° taper

	76	3	-	-	-	8×11	35°	-	3076R2508KR
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# R25 (1") Thread

## Drill rod



Shank rod with hex 22 \* 108 with thread R25



Part no.	Dimensions L			Dimensions D	
	mm	ft	in	mm	in
1022R2502	250	-	10	22	7/8
1022R2515	1500	4	11	22	7/8
1022R2524	2400	7	10	22	7/8
1022R2532	3200	10	6	22	7/8
1022R2540	4000	13	1	22	7/8

Shank rod with hex 25 \* 108 with thread R25



1025R2502	250	-	10	25	1
1025R2515	1500	4	11	25	1
1025R2524	2400	7	10	25	1
1025R2532	3200	10	6	25	1

Hex rod 25 with threads R25/R25



2125R2522	2200	7	2	25	1
2125R2524	2475	8	2	25	1
2125R2526	2600	8	6	25	1
2125R2528	2800	9	2	25	1
2125R2531	3100	10	2	25	1

Hex rod 25 with threads R25/R25 (MF)



2125R25MF15	1525	5	-	25	1
2125R25MF18	1830	6	-	25	1

Drifting  
& tunneling

## Coupling

L (mm)	Dimensions D		Part no.
	mm	in	

R25-R25



140	34	1 11/32	MX-R253414
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Crossover coupling R25-R32




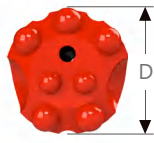

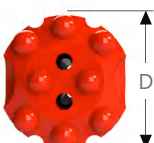

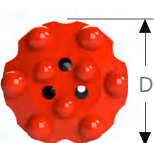
175	45	1 3/4	MX-R25R324517
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# Drifting & tunneling

R28 (1 1/8")  
Thread



Drifting  
& tunneling

## Button bit



	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
 	38	1 1/2	1×5	2×5	2×7	5×9	30°	H	3038R2807
	41	1 5/8	1×5	2×5	2×8	5×9	30°	H	3041R2807
	43	1 11/16	1×5	2×5	2×8	5×10	30°	H	3043R2807
	45	1 3/4	1×5	2×5	2×9	5×11	30°	H	3045R2807
 	41	1 5/8	2×5.5	2×5	2×8	6×9	30°	S	3041R2808
 	43	1 11/16	3×5	–	3×8	6×9	30°	M	3043R2809
	45	1 3/4	3×5	1×5	3×8	6×10	30°	M	3045R2809

## Reaming tools


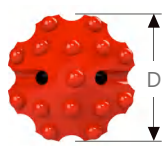
### Pilot bit 6° taper

 	40	1 37/64	2×5	2×5.5	2×8	4×9	30°	–	3040R2806KP
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### Reaming bit 6° taper

 	76	3	–	–	–	8×11	35°	–	3076R2808KR
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### Dome bit

 	76	3	2×9	2×7	1×11	14×11	35°	–	3076R2815KD
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# R28 (1 1/8") Thread

## Drill rod



Hex rod 28 with threads R28/R32



Hex rod 32 with threads R28/R32



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
2800	9	2	28	1 1/8	2128R32R2828
3100	10	2	28	1 1/8	2128R32R2831
3700	12	2	28	1 1/8	2128R32R2837

4310	14	2	32	1 1/4	2132R32R2843
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## Coupling

R28-R28



Crossover coupling R28-R32



L (mm)	Dimensions D		Part no.
	mm	in	
160	37	1 29/64	MX-R283716

171	45	1 3/4	MX-R28R324517
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Drifting  
& tunneling

# Drifting & tunneling

R32 (1 1/4")  
Thread

Drifting  
& tunneling

Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			



45	1 3/4	1×5.5	2×5.5	2×9	5×11	30°	H	3045R3207
48	1 7/8	2×6	1×5	2×9	5×11	30°	H	3048R3207
51	2	2×6	1×5.5	2×10	5×11	30°	H	3051R3207



43	1 11/16	2×5	2×5	2×8	6×9	30°	S	3043R3208
45	1 3/4	2×5	2×5	2×9	6×10	30°	S	3045R3208
48	1 7/8	2×5.5	2×5	2×9	6×10	30°	S	3048R3208



43	1 11/16	3×4	2×5	3×8	6×10	30°	M	3043R3209
45	1 3/4	3×5	1×5	3×8	6×10	30°	M	3045R3209
48	1 7/8	3×5	1×5	3×9	6×10	30°	M	3048R3209
54	2 1/8	3×6	1×5.5	3×10	6×11	35°	M	3054R3209



45	1 3/4	3×5	1×5	3×8	6×10	30°	M	3045R32F09
48	1 7/8	3×5	1×5	3×9	6×10	30°	M	3048R32F09
51	2	3×5.5	1×5.5	3×9	6×10	35°	M	3051R32F09
54	2 1/8	3×6	1×5.5	3×10	6×11	35°	M	3054R32F09
57	2 1/4	3×6	1×6	3×10	6×11	35°	M	3057R32F09



64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064R3210D
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64	2 1/2	3×7	1×6	3×11	6×12	35°	H	3064R32F09
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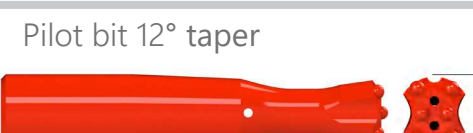


76	3	2×9	2×7	6×10	8×11	35°	H	3076R32F14
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# R32 (1 1/4") Thread


Drifting  
& tunneling

## Button bit


	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	51	2	3×5	1×6	3×9	6×10	30°	M	3051R32F09R
	54	2 1/8	3×6	1×5.5	3×10	6×11	35°	M	3054R32F09R
	57	2 1/4	3×6	1×6	3×10	6×11	35°	M	3057R32F09R
	64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064R3210DR
	64	2 1/2	3×7	1×6	3×11	6×12	35°	H	3064R32F09R

## Reaming tools

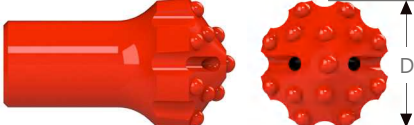
### Pilot bit 12° taper

	41	1 5/8	2×5	2×5.5	2×8	4×9	30°	-	3041R3206KP
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### Reaming bit 12° taper

	89	3 1/2	-	-	4×10	8×11	35°	-	3089R3212KR
	102	4	-	-	4×12	8×12	35°	-	30102R3212KR

### Dome bit

	76	3	2×9	2×7	1×11	14×11	35°	-	3076R3215KD
	89	3 1/2	2×9	2×8	1×12	14×12	35°	-	3089R3215KD
	102	4	2×9	2×9	1×12	14×12	35°	-	30102R3215KD



# Drifting & tunneling

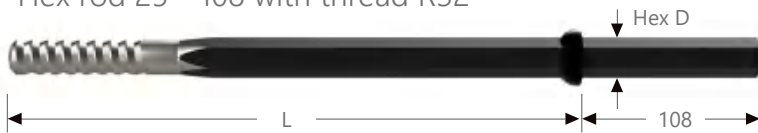
R32 (1 1/4")  
Thread

Drifting & tunneling

## Drill rod



Hex rod 25 \* 108 with thread R32



Part no.	Dimensions L			Dimensions D	
	mm	ft	in	mm	in
1025R3218	1830	6	-	25	1
1025R3224	2435	8	-	25	1
1025R3229	2950	9	7 5/8	25	1
1025R3230	3050	10	-	25	1

Hex rod 32 with threads R32/R38



2132R38R3231	3100	10	2	32	1 1/4
2132R38R3237	3700	12	2	32	1 1/4
2132R38R3243	4310	14	2	32	1 1/4
2132R38R3249	4920	16	2	32	1 1/4

Hex rod 35 with threads R32/R38



2135R38R3231	3100	10	2	35	1 3/8
2135R38R3237	3700	12	2	35	1 3/8
2135R38R3243	4310	14	2	35	1 3/8
2135R38R3249	4920	16	2	35	1 3/8
2135R38R3255	5530	18	2	35	1 3/8

Hex rod 32 with threads R32/T38



2132T38R3231	3100	10	2	32	1 1/4
2132T38R3237	3700	12	2	32	1 1/4
2132T38R3243	4310	14	2	32	1 1/4
2132T38R3249	4920	16	2	32	1 1/4

Hex rod 35 with threads R32/T38



2135T38R3231	3100	10	2	35	1 3/8
2135T38R3237	3700	12	2	35	1 3/8
2135T38R3243	4310	14	2	35	1 3/8
2135T38R3249	4920	16	2	35	1 3/8
2135T38R3255	5530	18	2	35	1 3/8

Rod Ø32 with threads R32/R32 (MF)



2032R32MF31	3100	10	2	32	1 1/4
2032R32MF37	3700	12	2	32	1 1/4
2032R32MF43	4310	14	2	32	1 1/4
2032R32MF49	4920	16	2	32	1 1/4

Rod Ø32 with threads R32/R32



2032R3218	1830	6	-	32	1 1/4
2032R3224	2435	8	-	32	1 1/4
2032R3229	2950	9	7 5/8	32	1 1/4
2032R3230	3050	10	-	32	1 1/4



# R32 (1 1/4") Thread

## Coupling

R32-R32



Crossover coupling R32-R35



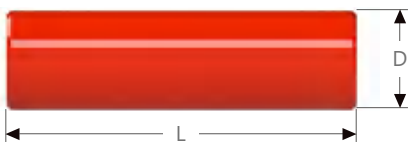
Crossover coupling R28-R32



Crossover coupling R32-R38



Crossover coupling R32-T38



Dimensions L		Dimensions D		Part no.
mm	in	mm	in	
160	6	45	1 3/4	MX-R324516
175	6 7/8	45	1 3/4	MX-R35R324517
171	6 3/4	45	1 3/4	MX-R32R284517
181	7 1/8	55	2 1/8	MX-R38R325518
180	7 1/2	55	2 1/8	MX-T38R325518

Drifting  
& tunneling

**Note:** Middle stop sleeves will be manufactured upon receipt of your orders

# Drifting & tunneling

R32 (1 1/4")  
Thread

Guide Tube






Guide Tube with threads R32



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1220	4	-	45	1 3/4	2245R32MF12
1830	6	-	45	1 3/4	2245R32MF18
3050	10	-	45	1 3/4	2245R32MF30

# R35 (1 3/8") Thread


## Button bit

	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	48	1 7/8	1×5.5	2×5.5	2×9	5×11	30°	H	3048R3507
	51	2	2×6	1×5	2×9	5×11	30°	H	3051R3507
	48	1 7/8	3×5	1×5	3×9	6×10	30°	M	3048R35F09
	51	2	3×5.5	1×5.5	3×9	6×10	35°	M	3051R35F09
	54	2 1/8	3×6	1×6	3×10	6×11	35°	M	3054R35F09
	57	2 1/4	3×7	1×6	3×10	6×11	35°	M	3057R35F09
	54	2 1/8	3×6	1×5.5	3×10	6×11	35°	M	3054R35F09R
	57	2 1/4	3×6	1×6	3×10	6×11	35°	M	3057R35F09R

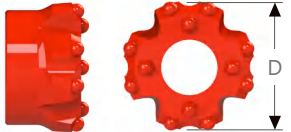
Drilling & tunneling

## Reaming tools

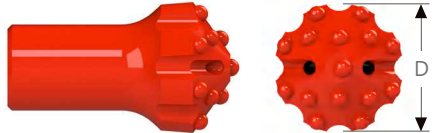
### Pilot bit 12° taper

	41	1 5/8	2×5	2×5.5	2×8	4×9	30°	-	3041R3506KP
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### Reaming bit 12° taper

	89	3 1/2	-	-	4×10	8×11	35°	-	3089R3512KR
	102	4	-	-	4×10	8×11	35°	-	30102R3512KR

### Dome bit

	76	3	2×9	2×7	1×11	14×11	35°	-	3076R3515KD
	89	3 1/2	2×9	2×8	1×12	14×12	35°	-	3089R3515KD
	102	4	2×9	2×9	1×12	14×12	35°	-	30102R3515KD

# Drifting & tunneling

R35 (1 3/8")  
Thread

## Drill rod



Hex rod 35 with threads R35/T38



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
4310	14	2	35	1 1/4	2135T38R3543
4920	16	2	35	1 1/4	2135T38R3549
5530	18	2	35	1 1/4	2135T38R3555

Drifting & tunneling

## Coupling

R35-R35



Dimensions L		Dimensions D		Part no.
mm	in	mm	in	
160	6 1/4	48	1 7/8	MX-R354816

Crossover coupling R32-R35



171	6 3/4	48	1 7/8	MX-R35R324817
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T38 (1 1/2")  
Thread 42

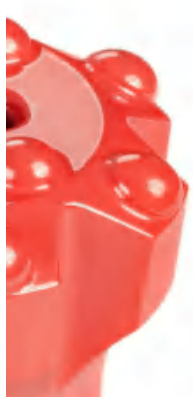
T45 (1 3/4")  
Thread 46

T51 (2")  
Thread 50

ST58 (2 1/4")  
Thread 54

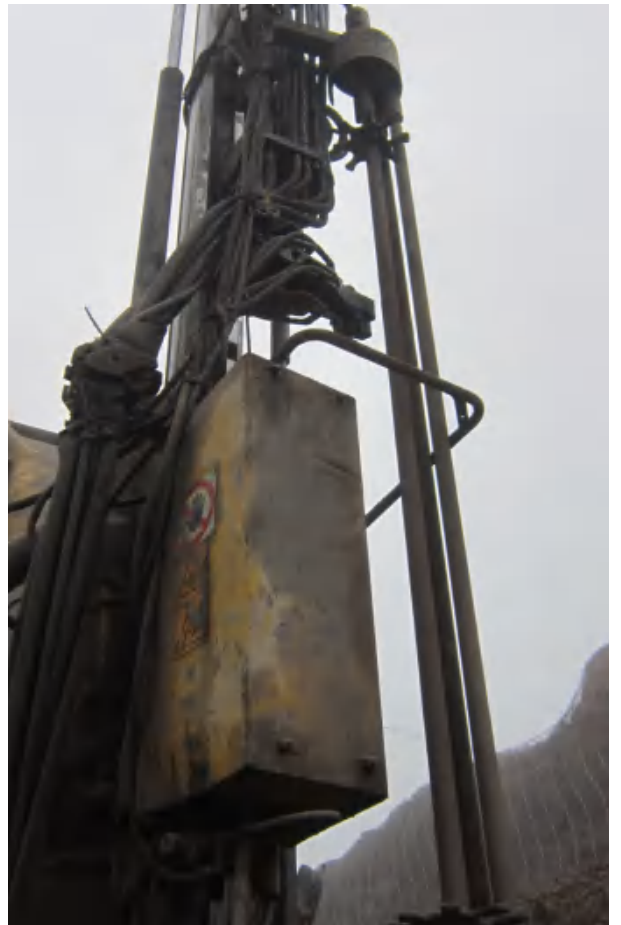
GT60 (2 3/5")  
Thread 56

ST68 (2 3/4")  
Thread 59









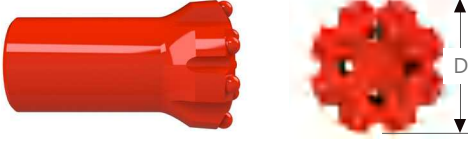






# Bench & long hole Drilling



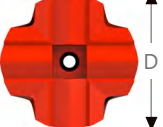
T38 (1 1/2")  
Thread

Bench & long  
hole drilling

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
	64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064T3810D
	64	2 1/2	3×7	1×6	3×11	6×12	35°	H	3064T38F09
	64	2 1/2	2×9	-	4×10	8×10	35°	H	3064T3812
	70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T3812
	76	3	2×9	2×7	4×11	8×12	35°	H	3076T3812
	89	3 1/2	2×13	2×8	5×12	8×13	35°	H	3089T3813
	76	3	2×10	2×7	4×11	8×12	35°	M	3076T38F12
	70	2 3/4	4×8	-	5×10	8×11	30°	M	3070T3813D
	76	3	4×8	-	5×11	8×12	35°	M	3076T3813D
	89	3 1/2	4×9	-	6×12	8×13	35°	M	3089T3814D
	64	2 1/2	3×7	1×6	3×11	6×12	35°	M	3064T38F09R


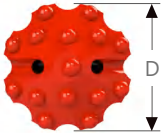

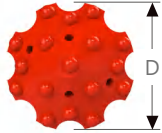




# T38 (1 1/2") Thread

Bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.		
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size					
		D	64	2 1/2	2×9	2×6	4×10	8×10	30°	M	3064T3812R
			70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T3812R
			76	3	2×9	2×7	4×12	8×12	35°	H	3076T3812R
		D	89	3 1/2	2×11	2×8	6×12	8×13	35°	H	3089T38F14R
		D	64	2 1/2	3×7	1×6	4×10	6×11	35°	M	3064T3810DR
		D	70	2 3/4	4×8	-	5×10	8×11	30°	M	3070T3813DR
			76	3	4×8	-	5×11	8×12	35°	M	3076T3813DR
			89	3 1/2	4×10	-	6×12	8×13	35°	M	3089T3814DR
		D	64	2 1/2	2×7	1×7	-	-	-	-	3264T38
			76	3	2×8	1×8	-	-	-	-	3276T38

Bench & long  
hole drilling

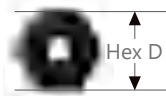
## Reaming tools

Dome bit			D	89	3 1/2	2×9	2×8	1×12	14×12	35°	-	3089T3815KD
				102	5	2×9	2×9	1×12	14×12	35°	-	30102T3815KD
Dome bit			D	127	5	4×8	2×9	1×14	16×14	35°	-	30127T3817KD
Cut holes/Dome bit			D	127	5	2×13	2×11	10×13	8×14	35°	-	30127T3818KC

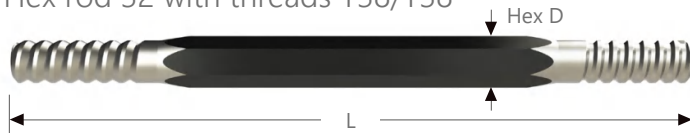
# Bench & long hole Drilling

T38 (1 1/2")  
Thread

## Drill rod



Hex rod 32 with threads T38/T38



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

3050	10	-	32	1 1/4	2132T3830
3660	12	-	32	1 1/4	2132T3836

Rod Ø38 with threads T38/T38



3050	10	-	38	1 1/2	2038T3830
3660	12	-	38	1 1/2	2038T3836
4270	14	-	38	1 1/2	2038T3842
4880	16	-	38	1 1/2	2038T3848
5490	18	-	38	1 1/2	2038T3854

Rod Ø38 with threads T38/T38 (MF)



900	3	-	38	1 1/2	2038T38MF09
1220	4	-	38	1 1/2	2038T38MF12
1525	5	-	38	1 1/2	2038T38MF15
1830	6	-	38	1 1/2	2038T38MF18
2440	8	-	38	1 1/2	2038T38MF24
3050	10	-	38	1 1/2	2038T38MF30
3660	12	-	38	1 1/2	2038T38MF36

Bench & long  
hole drilling

## Coupling

Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

T38-T38



190	7	1/2	55	2 1/8	MX-T385519
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Crossover coupling T38-R32



180	7	1/2	55	2 1/8	MX-T38R325518
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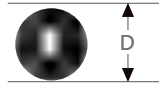
Crossover coupling T38-T45



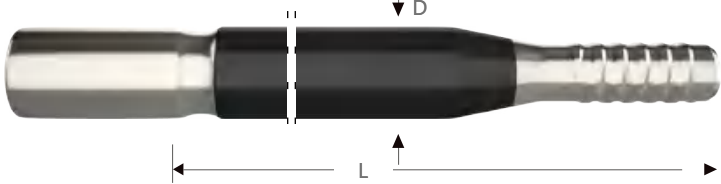
215	8	1/2	66	2 1/2	MX-T38T456621
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# T38 ( 1 1/2" ) Thread

Guide Tube



Guide Tube with threads T38




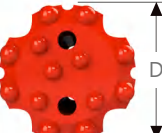

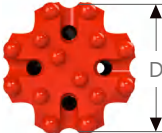



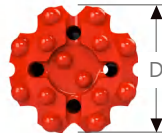



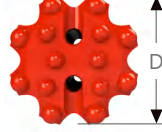

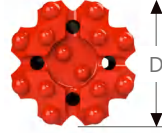
Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1220	4	-	56	2 1/8	2256T38MF12
1525	5	-	56	2 1/8	2256T38MF15
1830	6	-	56	2 1/8	2256T38MF18
3050	10	-	56	2 1/8	2256T38MF30
3660	12	-	56	2 1/8	2256T38MF36

Bench & long  
hole drilling

# Bench & long hole Drilling

T45 (1 3/4")  
Thread

## Button bit

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.	
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size				
		70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T4512
		76	3	2×9	2×7	4×11	8×12	35°	H	3076T4512
		89	3 1/2	2×13	2×8	5×12	8×14	35°	H	3089T4513
		102	4	2×13	-	6×13	8×14	35°	H	30102T4514
		115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T45F14
		70	2 3/4	4×8	-	5×10	8×11	35°	M	3070T4513D
		76	3	4×8	-	5×11	8×12	35°	M	3076T4513D
		89	3 1/2	4×9	-	6×12	8×14	35°	M	3089T4514D
		102	4	4×11	-	6×13	8×14	35°	M	30102T4514D
		115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T4514D
		70	2 3/4	2×8	2×6	4×11	8×11	35°	H	3070T4512R
		76	3	2×9	2×7	4×12	8×12	35°	H	3076T4512R
		89	3 1/2	2×11	2×8	6×12	8×14	35°	H	3089T45F14R
		102	4	4×11	-	6×13	8×14	35°	H	30102T45F14R
		115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T45F14R
		76	3	4×8	-	5×11	8×12	35°	M	3076T4513DR
		89	3 1/2	4×10	-	6×12	8×14	35°	M	3089T4514DR
		102	4	4×11	-	6×13	8×14	35°	M	30102T4514DR
		115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T4514DR

Bench & long  
hole drilling

# T45 (1 3/4") Thread

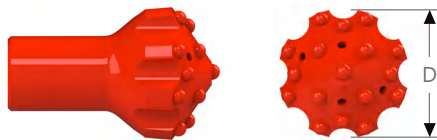
## Cross bit



Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
76	3	1×8	2×8	-	-	-	-	3276T45
89	3 1/2	1×9	2×9	-	-	-	-	3289T45

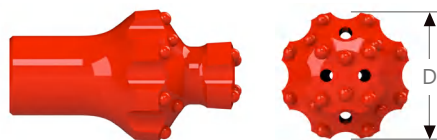
## Reaming tools

### Dome bit



127	5	4×8	2×9	1×14	16×14	35°	-	30127T4517KD
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### Cut holes/Dome bit



127	5	2×13	2×11	10×13	8×14	35°	-	30127T4518KC
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Bench & long  
hole drilling

## Drill rod

### Rod Ø45 with threads T45/T45



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3050	10	-	45	1 3/4	2045T4530
3660	12	-	45	1 3/4	2045T4536
4270	14	-	45	1 3/4	2045T4542
4880	16	-	45	1 3/4	2045T4548
6100	20	-	45	1 3/4	2045T4561

### Rod Ø45 with threads T45/T45 (MF)



1525	5	-	45	1 3/4	2045T45MF15
1830	6	-	45	1 3/4	2045T45MF18
3050	10	-	45	1 3/4	2045T45MF30
3660	12	-	45	1 3/4	2045T45MF36
4270	14	-	45	1 3/4	2045T45MF42

# Bench & long hole Drilling

T45 (1 3/4")  
Thread

## Coupling

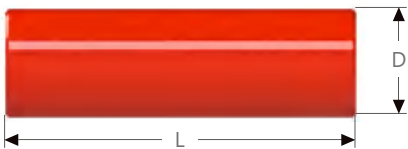
Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

T45-45



207	8	1/8	66	2 3/5	MX-T456620
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Crossover coupling T45-T38



215	8	1/2	66	2 1/2	MX-T45T386621
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Crossover coupling T45-T51

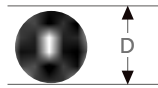


240	9	1/2	72	2 7/8	MX-T45T517224
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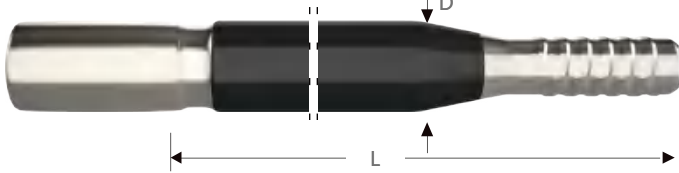
Bench & long  
hole drilling

# T45 ( 1 3/4" ) Thread

## Guide Tube



### Guide Tube with threads T45

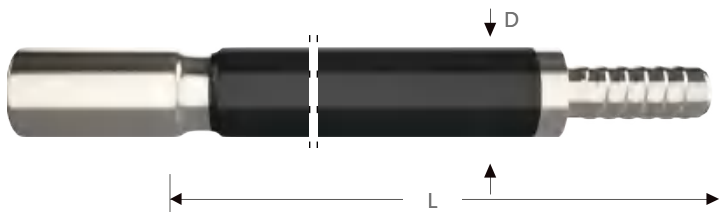


Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	64	2 1/2	2264T45MF15
1830	6	-	64	2 1/2	2264T45MF18
3660	12	-	64	2 1/2	2264T45MF36
1830	6	-	76	3	2276T45MF18
3660	12	-	76	3	2276T45MF36

## Drill Tube



### Drill Tube with threads T45



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	64	2 1/2	2464T45MF15
1830	6	-	64	2 1/2	2464T45MF18

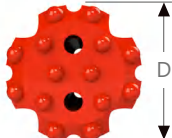
Bench & long  
hole drilling

# Bench & long hole Drilling

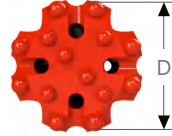
T51 (2")  
Thread

## Button bit

Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			



89	3 1/2	2×12	2×7	6×12	8×14	35°	H	3089T5114
102	4	2×14	-	6×13	8×14	35°	H	30102T5114



115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T51F14
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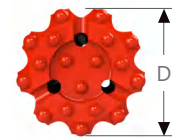
89	3 1/2	4×10	-	6×12	8×14	35°	M	3089T5114D
102	4	4×11	-	6×13	8×14	35°	M	30102T5114D



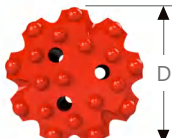
115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T5114D
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127	5	3×13	-	10×14	9×16	35°	H	30127T5119
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127	5	3×13	-	9×14	9×14	35°	M	30127T5118D
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127	5	3×13	-	9×14	9×16	35°	H	30127T5118R
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Bench & long  
hole drilling



# T51 (2") Thread



## Button bit

	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
 	89	3 1/2	2×11	2×8	6×12	8×14	35°	H	3089T51F14R
	102	4	4×11	-	6×13	8×14	35°	H	30102T51F14R
	115	4 1/2	4×13	-	6×14	8×16	35°	H	30115T51F14R
 	89	3 1/2	4×10	-	6×12	8×14	35°	M	3089T5114DR
	102	4	4×11	-	6×13	8×14	35°	M	30102T5114DR
	115	4 1/2	4×13	-	6×14	8×16	35°	M	30115T5114DR
 	127	5	3×13	-	9×14	9×14	35°	M	30127T5118DR

Bench & long  
hole drilling

## Reaming tools

### Dome bit

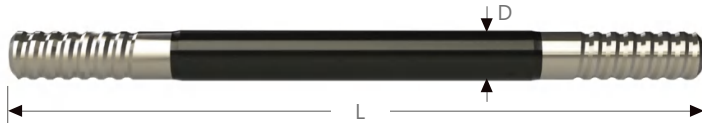
 	152	6	5×10	2×10	2×14	20×14	35°	-	30152T5122KD
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# Bench & long hole Drilling

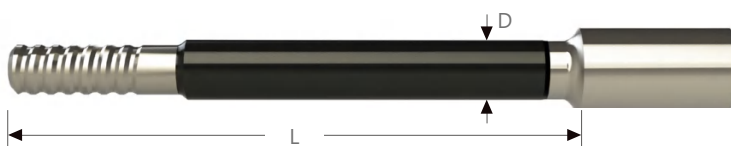
T51 (2")  
Thread

## Drill rod

Rod Ø51 with threads T51/T51



Rod Ø51 with threads T51/T51 (MF)



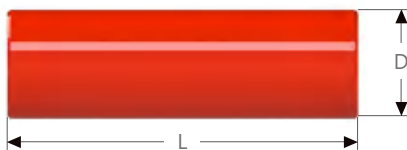
Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3660	12	-	51	2	2051T5136
4270	14	-	51	2	2051T5142
6100	20	-	51	2	2051T5161

1525	5	-	51	2	2051T51MF15
1830	6	-	51	2	2051T51MF18
3660	12	-	51	2	2051T51MF36
4270	14	-	51	2	2051T51MF42

Bench & long  
hole drilling

## Coupling

T51-T51



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
235	9	1/4	72	2 1/8	MX-T517223

T51-T51



235	9	1/4	77	3	MX-T517723
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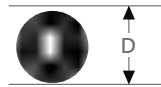
Crossover coupling T51-T45



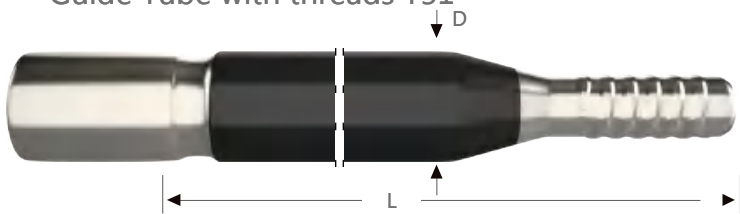
240	9	1/2	72	2 7/8	MX-T51T457224
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# T51( 2") Thread

## Guide Tube



### Guide Tube with threads T51

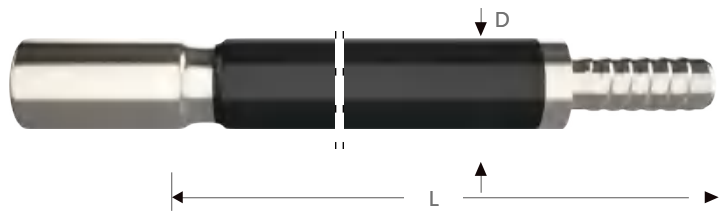


Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	76	3	2276T51MF15
1830	6	-	76	3	2276T51MF18
3660	12	-	76	3	2276T51MF36
3660	12	-	87	3 1/2	2287T51MF36

## Drill Tube



### Drill Tube with threads T51


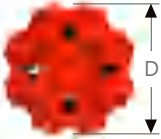

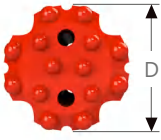

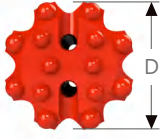

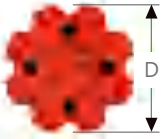


Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	76	3	2476T51MF15
1830	6	-	76	3	2476T51MF18

Bench & long  
hole drilling

# Bench & long hole Drilling

ST58 (2 1/4")  
Thread

Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
 	89	3 1/2	4×10	–	6×12	8×14	35°	M	3089ST5814D
	102	4	4×11	–	6×12	8×14	35°	M	30102ST5814D
 	89	3 1/2	2×14	–	6×12	8×14	35°	H	3089ST5814
	102	4	2×15	–	6×13	8×14	35°	H	30102ST5814
 	89	3 1/2	2×11	2×9	6×12	8×14	35°	H	3089ST58F14R
	102	4	2×12	2×9	6×12	8×14	35°	H	30102ST58F14R
 	89	3 1/2	4×10	–	6×12	8×14	35°	M	3089ST5814DR
	102	4	4×11	–	6×12	8×14	35°	M	30102ST5814DR

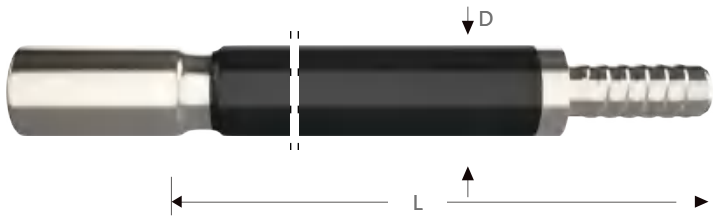
Bench & long  
hole drilling

# ST58(2 1/4") Thread

Drill Tube



Drill Tube with threads ST58



















Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	76	3	2476T58MF15
1830	6	-	76	3	2476T58MF18

Bench & long  
hole drilling

# Bench & long hole Drilling

GT60 (2 3/5")  
Thread

Bench & long  
hole drilling

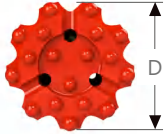
Button bit	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.	
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size				
		102	4	4×11	–	6×13	8×14	35°	H	30102T6014D
		115	4 1/2	3×13	–	7×14	9×16	35°	H	30115T6016D
		92	3 5/8	3×11	–	6×12	9×12	35°	H	3092T60F15
		115	4 1/2	3×13	–	6×14	9×16	35°	H	30115T60F15
		127	5	3×14	–	9×14	9×16	35°	H	30127T6018D
		127	5	3×14	–	10×14	9×16	35°	H	30127T6019
		102	4	4×11	–	6×13	8×14	35°	H	30102T6014DR
		115	4 1/2	3×13	–	7×14	9×16	35°	H	30115T6016DR

# GT60 (2 3/5") Thread

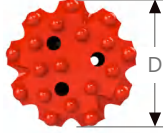
## Button bit



Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.
mm	in	Front No size	Gauge No size	Front No size	Gauge No size			
92	3 5/8	3×11	-	6×12	9×12	35°	H	3092T60F15R
115	4 1/2	3×13	-	6×14	9×16	35°	H	30115T60F15R



127	5	3×14	-	9×14	9×16	35°	H	30127T6018DR
-----	---	------	---	------	------	-----	---	--------------

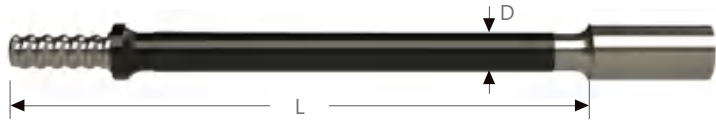


127	5	3×14	-	10×14	9×16	35°	H	30127T6019R
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Bench & long  
hole drilling

## Drill rod

Rod Ø60 with threads GT60/GT60



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
3660	12	-	60	2 3/5	2060T60MF36
4270	14	-	60	2 3/5	2060T60MF42
6100	20	-	60	2 3/5	2060T60MF61

# Bench & long hole Drilling

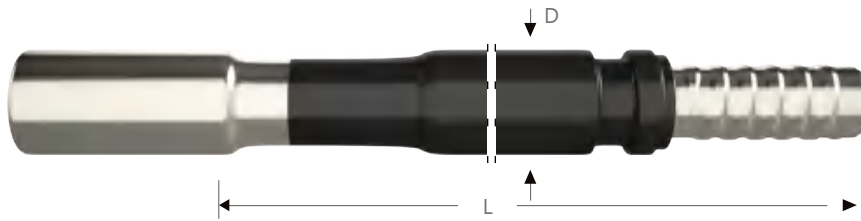
GT60 (2 3/5")  
Thread

Guide Tube



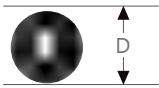
Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

Guide Tube with threads GT60



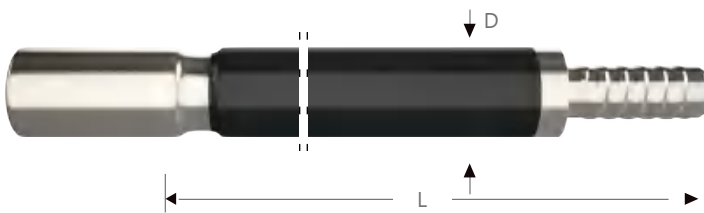
3660	12	-	87	3 1/2	2287T60MF36
4270	14	-	87	3 1/2	2287T60MF42
6095	20	-	87	3 1/2	2287T60MF60

Drill Tube



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	

Drill Tube with threads GT60




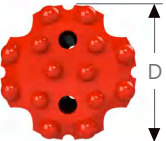



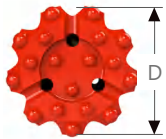


3660	12	-	87	3 1/2	2487T60MF36
4270	14	-	87	3 1/2	2487T60MF42

Bench & long  
hole drilling



# ST68 (2 3/4") Thread

## Button bit

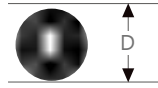
	Dimensions D		Flushing hole (mm)		Buttons (mm)		Angle	Class	Part no.	
	mm	in	Front No size	Gauge No size	Front No size	Gauge No size				
		102	4	2×14	2×10	6×12	8×14	35°	H	30102ST6814
		115	4 1/2	3×13	-	7×14	9×16	35°	H	30115ST68F16
		127	5	3×14	-	10×14	9×16	35°	H	30127ST68F19
		115	4 1/2	3×13	2×9	6×14	9×16	35°	H	30115ST6815DR
		127	5	3×14	2×9	9×14	9×16	35°	H	30127ST6818DR
		115	4 1/2	3×13	-	6×14	9×16	35°	H	30115ST6815R
		127	5	3×14	-	10×14	9×16	35°	H	30127ST6819R

Bench & long  
hole drilling

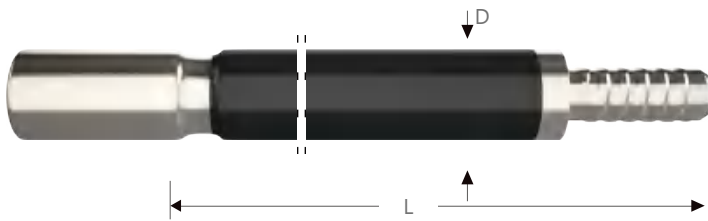
# Bench & long hole Drilling

ST68(2 3/4")  
Thread

Drill Tube



Drill Tube with threads ST68



Dimensions L			Dimensions D		Part no.
mm	ft	in	mm	in	
1525	5	-	87	3 1/2	2487T68MF15
1830	6	-	87	3 1/2	2487T68MF18

Auxiliary  
**Tools**

---



Fishing tools

63

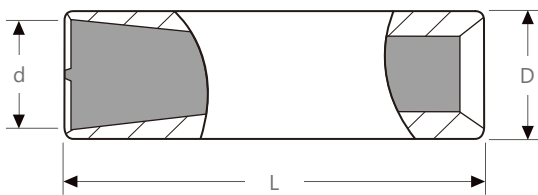
Knock-off tools

64

# Auxiliary Tools

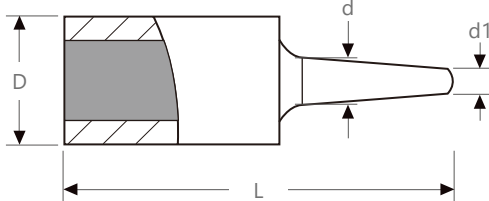
## Fishing tools

### Fishing sleeve



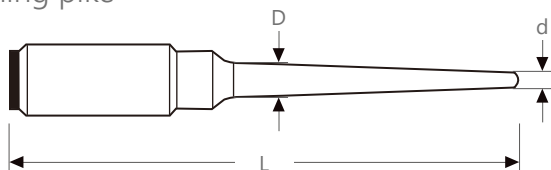
Thread	Dimensions				Part no.
	L	D	d	d1	
R32	155	48	42	-	404832RF
T35	138	48	40	-	404835TF
T38	175	60	52	-	406038TF
T38L	355	61	52	-	406138TLF
BT T45	205	70	62	-	407045TF
T51	260	78	70	-	407851TF
T51L	422	82	76	-	408251TLF
ST58	250	88	82	-	408858STF
ST68	290	100	91	-	4010068STF

### Fishing pike



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
PFT 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

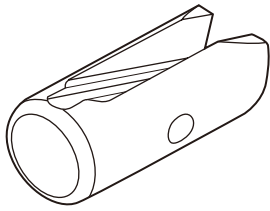
### Fishing pike



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

## Knock-off tools

Knock-off tool for tapered bits



	Dimensions L			Dimensions D		Part no.
	mm	ft	in	mm	in	
Hex 22	-	-	-	-	-	
-	-	-	-	-	-	



Part no.	Weight (kg)	Page no.								
30362207-11	0.27	20	30382507-12	0.30	22	2125R2531	12.70	29		
30362208-11	0.28			30402207-12			0.30		2125R25MF15	5.00
30362507-11	0.29			30412507-12			0.33		2125R25MF18	5.50
30382207-11	0.29			30432507-12			0.43		MX-R253414	1.00
30382208-11	0.30			30452208-12			0.48		MX-R25R324517	1.50
30382507-11	0.31									
30412207-11	0.32			10220612			2.20		3038R2807	0.45
30412507-11	0.32			10221212			4.00		3041R2807	0.65
30412208-11	0.33			10221812			5.90		3041R2808	0.70
30432507-11	0.43	10222012	6.40	3043R2807	0.70					
		10222412	7.70	3043R2809	0.70					
		10223012	9.60	3045R2807	0.70					
10220611	2.20	10223212	10.00	3045R2809	0.70					
10221211	4.00	10223612	11.40	3040R2806KP	2.00					
10221811	5.90			3076R2815KD	2.20					
10222011	6.40	3033R2507	0.40	3076R2808KR	2.86					
10222411	7.70	3033R2508	0.40							
10223011	9.60	3035R2507	0.45	2128R32R2828	14.10					
10223211	10.00	3038R2507	0.49	2128R32R2831	15.80					
10223611	11.40	3041R2507	0.55	2128R32R2837	19.20					
		3041R2508	0.55	2132R32R2843	23.00					
		3043R2507	0.50	MX-R283716	1.20					
		3045R2507	0.75	MX-R28R324517	1.40					
		3043R2509	0.75							
		3045R2509	0.80	3043R3208	0.70					
		3038R25F08	0.49	3043R3209	0.65					
		3040R2506KP	1.90	3045R3207	0.75					
		3076R2508KR	0.95	3045R3208	0.80					
				3045R3209	0.75					
				3048R3207	0.80					
				3048R3208	0.90					
				3048R3209	0.80					
				3051R3207	0.90					
				3054R3209	1.00					
				3045R32F09	0.62					
				3048R32F09	0.72					
				3051R32F09	0.80					
				3054R32F09	0.95					
				3057R32F09	1.20					
				3064R32F09	1.50					
				3064R3210D	1.50					
				3076R32F14	2.10					
313022-12	0.20	22	1022R2502	1.20	29	2125R2522	8.80	32		
313025-12	0.21			1022R2515			5.70		2125R2524	10.20
313222-12	0.21			1022R2524			8.00		2125R2526	10.70
313225-12	0.22			1022R2532			10.40		2125R2528	11.20
313422-12	0.22			1022R2540			13.00			
313425-12	0.23			1025R2502			1.20			
313622-12	0.23			1025R2515			5.70			
313625-12	0.24			1025R2524			9.30			
313822-12	0.24			1025R2532			11.50			
313825-12	0.25									
314022-12	0.25									
314025-12	0.26									
30322207-12	0.20									
30322208-12	0.21									
30332207-12	0.22									
30342208-12	0.25									
30352207-12	0.25									
30362207-12	0.27									
30362507-12	0.28									
30382207-12	0.28									
30382208-12	0.29									



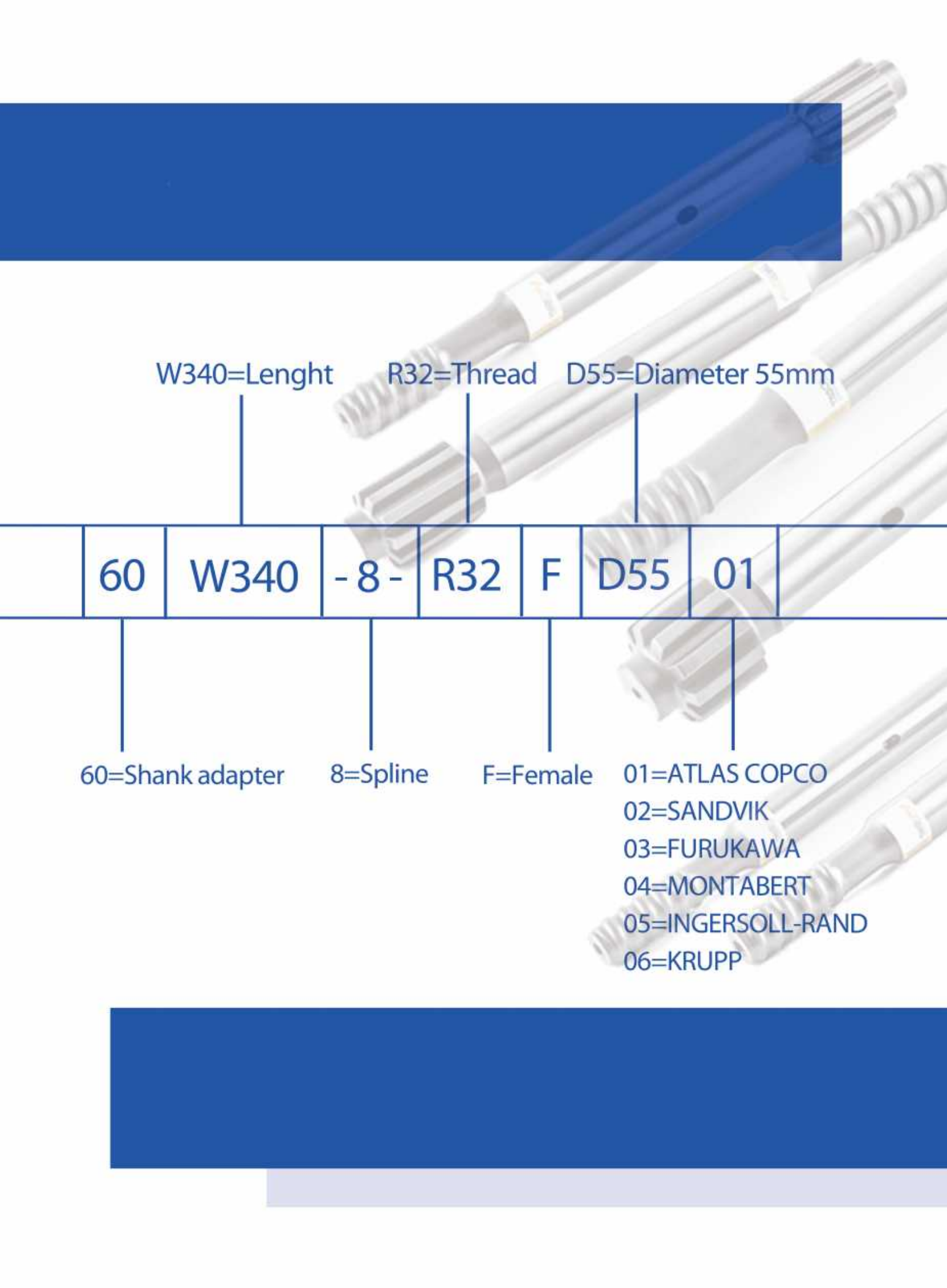
# Weight table & Index

Part no.	Weight (kg)	Page no.						
3041R3206KP	2.20	33	MX-R32R284517	1.40	35	3070T3812R	2.80	
3051R32F09R	1.30		MX-R35R324517	1.50		3076T3812R	2.70	
3054R32F09R	1.60		MX-R38R325518	2.10		3064T3810DR	2.10	
3057R32F09R	1.90		MX-T38R325518	2.20		3070T3813DR	2.70	
3064R32F09R	2.20		2245R32MF12	10.00	3076T3813DR	3.20	43	
3064R3210DR	2.00		2245R32MF18	14.00	3089T38F14R	5.50		
3076R3215KD	2.10		2245R32MF30	23.00	3089T3814DR	5.10		
3089R3212KR	2.10		3048R3507	0.80	3089T3815KD	3.30		
3089R3215KD	2.30		3051R3507	0.90	30102T3815KD	5.40		
30102R3212KR	3.50		3048R35F09	0.80	30127T3817KD	7.70		
30102R3215KD	3.70	3051R35F09	0.95	30127T3818KC	8.00			
1025R3218	4.00	34	3054R35F09	1.20	37	2038T3830	24.70	
1025R3224	6.30		3054R35F09R	1.40		2038T3836	29.40	
1025R3229	8.50		3057R35F09	1.40		2038T3842	34.70	
1025R3230	12.50		3057R35F09R	1.60		2038T3848	39.70	
2032R3218	8.00		3041R3506KP	2.20		2038T3854	44.60	
2032R3224	11.50		3076R3515KD	2.10		2132T3830	18.40	
2032R3229	16.20		3089R3512KR	2.10		2132T3836	22.10	
2032R3230	19.50		3089R3515KD	2.30		2038T38MF09	8.00	
2032R32MF31	12.90		30102R3512KR	3.50		2038T38MF12	9.70	44
2032R32MF37	17.40		30102R3515KD	3.70		2038T38MF15	13.30	
2032R32MF43	20.60		2135T38R3543	33.30	2038T38MF18	16.00		
2032R32MF49	28.00		2135T38R3549	36.80	2038T38MF24	21.30		
2132R38R3231	19.70		2135T38R3555	41.40	2038T38MF30	25.90		
2132R38R3237	23.30		MX-R354816	1.20	2038T38MF36	30.70		
2132R38R3243	27.00		MX-R35R324817	1.50	MX-T385519	2.00		
2132R38R3249	30.90		3064T3812	1.40	MX-T38R325518	2.20		
2132T38R3231	19.70		3070T3812	2.00	MX-T38T456621	3.40		
2132T38R3237	23.30		3076T3812	2.30	2256T38MF12	13.00		
2132T38R3243	27.00		3089T3813	3.30	2256T38MF15	16.00		
2132T38R3249	30.90		3064T38F09	1.60	2256T38MF18	20.00		
2135R38R3231	23.90	3064T3810D	1.40	2256T38MF30	33.20			
2135T38R3231	23.90	3070T3813D	1.95	2256T38MF36	39.80			
2135R38R3237	28.50	3076T38F12	2.30	3070T4512	2.10			
2135T38R3237	28.50	3076T3813D	2.35	3076T4512	2.60			
2135R38R3243	33.20	3089T3814D	3.25	3089T4513	3.80			
2135T38R3243	33.20	3064T38F09R	2.10	30102T4514	4.40			
2135R38R3249	36.70	3264T38	1.90	3070T4513D	2.00			
2135T38R3249	36.70	3276T38	2.50	3070T4512R	2.80			
2135R38R3255	41.30	3064T3812R	2.00	3076T4513D	2.25			
2135T38R3255	41.30							
MX-R324516	1.00	35						

Part no.	Weight (kg)	Page no.						
3076T4512R	3.30	46	3089T5114D	3.20	50	2476T58MF15	34.00	55
3089T4514D	3.60		30102T5114D	4.90		2476T58MF18	40.00	
3089T45F14R	5.60		30115T5114D	6.60		30127T6019	11.20	56
30115T4514D	6.60		30115T51F14	6.60		3092T60F15	5.20	
3076T4513DR	3.60		30127T5118D	8.90		30102T6014D	8.20	
30102T4514D	4.40		30127T5118R	8.50		30115T6016D	9.80	
30102T45F14R	7.60		3089T51F14R	4.70	30115T60F15	9.80		
30115T45F14	6.60		30102T51F14R	7.10	30127T6018D	11.20		
30115T45F14R	9.70		30115T51F14R	10.10	30102T6014DR	8.90	57	
3089T4514DR	5.20		3089T5114DR	4.90	30115T6016DR	11.80		
30102T4514DR	7.50		30102T5114DR	7.10	2060T60MF36	73.00		
30115T4514DR	9.70		30115T5114DR	13.00	2060T60MF42	82.00		
3276T45	3.20	30127T5118DR	12.70	2060T60MF61	110.00			
3289T45	3.30	30152T5122KD	9.50	3092T60F15R	6.10			
2045T4530	34.10	2051T5136	49.60	30115T60F15R	11.80	58		
2045T4536	41.00	2051T5142	58.10	30127T6018DR	14.20			
2045T4542	48.10	2051T5161	82.90	30127T6019R	14.20			
2045T4548	54.90	2051T51MF15	22.00	2287T60MF36	91.00			
2045T4561	68.90	2051T51MF18	26.40	2287T60MF42	106.00			
2045T45MF15	18.40	2051T51MF36	52.80	2287T60MF60	150.00			
2045T45MF18	22.10	2051T51MF42	61.60	2487T60MF36	89.00	59		
2045T45MF30	36.10	MX-T517223	4.40	2487T60MF42	104.00			
2045T45MF36	43.30	MX-T517723	5.50	30102ST6814	5.80			
2045T45MF42	50.20	MX-T51T457224	5.00	30115ST68F16	7.80			
30127T4517KD	7.70	2276T51MF15	33.00	30115ST6815R	9.30			
30127T4518KC	8.80	2276T51MF18	40.00	30127ST68F19	10.20			
MX-T456620	3.40	2276T51MF36	79.00	30127ST6819R	11.90	60		
MX-T45T386621	3.40	2287T51MF36	89.00	30115ST6815DR	9.20			
MX-T45T517224	5.00	2476T51MF15	33.00	30127ST6818DR	11.80			
2264T45MF15	21.00	2476T51MF18	40.00	2487T68MF15	36.00			
2264T45MF18	25.50	2276T51MF36	79.00	2487T68MF18	42.00			
2264T45MF36	49.00	2287T51MF36	89.00					
2276T45MF18	40.00	2476T51MF15	33.00			54		
2276T45MF36	78.00	2476T51MF18	40.00					
2464T45MF15	23.00	3089ST5814	4.00					
2464T45MF18	27.00	30102ST5814	5.00					
3089T5114	3.50	3089ST5814D	3.90					
30102T5114	5.10	3089ST58F14R	4.90					
30127T5119	8.70	30102ST5814D	4.90					
		3089ST5814DR	4.70					
		30102ST5814DR	7.40					
		30102ST58F14R	7.60					

Part no.	Weight (kg)	Page no.
404832RF	1.60	
404835TF	1.70	
406038TF	4.00	
406138TLF	7.80	
407045TF	5.60	
407851TF	8.00	
408251TLF	12.50	
408858STF	4.80	
4010068STF	6.00	
412038TM		
412445TM		
412651TM		63
414632RF		
414835TF		
415235RF		
415938TLF		
416038TF		
416345TF		
416345TF-2		
417251TF		
417858STF		
419368STF		
419368STF-A		





W340=Lenght

R32=Thread

D55=Diameter 55mm

60	W340	- 8 -	R32	F	D55	01
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60=Shank adapter

8=Spline

F=Female

01=ATLAS COPCO

02=SANDVIK

03=FURUKAWA

04=MONTABERT

05=INGERSOLL-RAND

06=KRUPP



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# ATLAS COPCO

Atlas Copco COP 1036, COP 1038,  
COP 1238



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	38	575	4.6	6108114032	60W575-8-R32D3801
R38	38	575	4.7	6108117034	60W575-8-R38D3801
T38	38	575	4.9	6108122041	60W575-8-T38D3801
R38	45	575	5.4	6108117036	60W575-8-R38D4501
T38	45	575	5.4	6108122042	60W575-8-T38D4501
T45	45	575	5.8	6108123044	60W575-8-T45D4501

Atlas Copco COP 1132



R28	35	410	2.4	6108113048	60W410-8-R28D3501
R32	35	410	2.6	6108114049	60W410-8-R32D3501
TA35	35	410	2.6	6108121051	60W410-8-TA35D3501

Atlas Copco COP 1440, COP 1550,  
COP 1638, COP 1838, COP 2238



R32	38	435	3.6	6108114069	60W435-8-R32D3801
R38	38	435	3.9	6108117074	60W435-8-R38D3801
T38	38	435	3.8	6108122073	60W435-8-T38D3801

Atlas Copco COP 1440, COP 1550,  
COP 1638, COP 1838, COP 2238



R32	38	525	4.2	6108114070	60W525-8-R32D3801
R38	38	525	4.3	6108117071	60W525-8-R38D3801
T38	38	525	4.3	6108122075	60W525-8-T38D3801

# ATLAS COPCO

## Atlas Copco COP 1432,COP 1532 Female



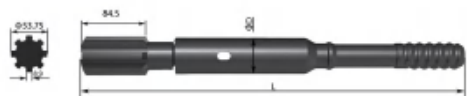
Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	55	341	4.7	6108114081	60W341-8-R32FD5501
R38	55	341	4.4	6108117082	60W341-8-R38FD5501
T38	55	341	4.4	6108122618	60W341-8-T38FD5501

## Atlas Copco COP 1838 MUX/HUX



TA35	52	730	9.5	6108121088	60W730-8-TA35D5201
T38	52	730	9.6	6108122089	60W730-8-T38D5201
T45	52	730	9.9	6108123090	60W730-8-T45D5201

## Atlas Copco Cop 1440,COP 1550, COP 1838, COP 1838 ME/HE



R32	52	525	5.7	6108114076	60W525-8-R32D5201
TA35	52	525	5.8	6108121077	60W525-8-TA35D5201
T38	52	525	5.9	6108122078	60W525-8-T38D5201
T45	52	525	6.1	6108123079	60W525-8-T45D5201
T51	52	525	6.5	6108124080	60W525-8-T51D5201

## Atlas Copco COP 1550 EX,COP 1838 EX



T38	60	730	9.8	6108122085	60W730-8-T38D6001
T45	60	730	10.2	6108123086	60W730-8-T45D6001
T51	60	730	10.4	6108124087	60W730-8-T51D6001



# ATLAS COPCO

## Atlas Copco COP 1840 HE, COP 1850



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	52	565	6.6	6108122092	60W565-8-T38D5201
T45	52	565	6.8	6108123093	60W565-8-T45D5201
T51	52	565	7.2	6108124094	60W565-8-T51D5201

## Atlas Copco COP 1240 EX, 1640 EX, 1840 EX, 1850 EX, 2150 EX, 2540 EX, COP 2550 EX



T45	60	770	10.8	6108123063	60W770-8-T45D6001
T51	60	770	10.9	6108124064	60W770-8-T51D6001

## Atlas Copco COP 2150



T45	52	770	8.5	6108123619	60W770-8-T45D5201
T51	52	770	9.9	6108124095	60W770-8-T51D5201

## Atlas Copco COP 2160 EX, COP 2560 EX



T45	63	770	13.2	6112123100	60W770-12-T45D6301
T51	63	770	13.3	6112124101	60W770-12-T51D6301
MT60	63	770	14.0	6112125620	60W770-12-MT60D6301

## Atlas Copco COP 2550 UX



T45	60	770	12.9	6108123065	60W770-8-T45D6001
T51	60	770	13.1	6108124066	60W770-8-T51D6001

# ATLAS COPCO

## Atlas Copco COP 2160,COP 2560



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T45	60	770	11.6	6112123097	60W770-12-T45D6001
T51	60	770	11.0	6112124098	60W770-12-T51D6001

## Atlas Copco COP 3060 MEX



MT60	60	840	16.7	6112125112	60W840-12-MT60D6001
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## Atlas Copco COP 4050



T51	52	605	8.9	6108124113	60W605-8-T51D5201
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# SANDVIK

## Sandvik HL 300



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	32	400	2.6	6208114119	60W400-8-R32D3202

## Sandvik HL 300 S Female



R28	45	245	2.7	6208113621	60W245-8-R28FD4502
R32	45	245	2.6	6208114120	60W245-8-R32FD4502

## Sandvik L 400,L 410,L 500,L 510,L 550



R32	32	380	2.1	6204014236	60W380-4-R32D3202
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## Sandvik RD 308,RD 314,RD 414



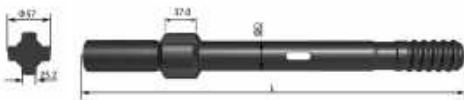
TA35	38	410	4.0	6210121123	60W410-10-TA35D3802
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## Sandvik HLR 438 L,HLR 438 T



R32	38	380	2.7	6204014230	60W380-4-R32D3802
T38	38	400	3.3	6204022233	60W400-4-T38D3802

## Sandvik HLR 438 LS,438 TS,HL 538, HL 538 L,L 550 S



R32	38	450	3.7	6204114125	60W450-4-R32D3802
R38	38	450	4.1	6204117126	60W450-4-R38D3802
T38	38	455	4.0	6204122127	60W455-4-T38D3802

# SANDVIK

## Sandvik HL 500,HL 510



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	45	550	5.4	6208114132	60W550-8-R32D4502
T38	45	550	5.6	6208122134	60W550-8-T38D4502
T45	45	550	5.9	6208123135	60W550-8-T45D4502

## Sandvik HL 500 S,HL 510 S



R32	38	460	3.9	6208114136	60W460-8-R32D3802
R38	38	460	4.2	6208117137	60W460-8-R38D3802
T38	38	460	4.0	6208122138	60W460-8-T38D3802
R38	38	500	4.4	6208117139	60W500-8-R38D3802
T38	38	500	4.3	6208122140	60W500-8-T38D3802

## Sandvik HL 500 F



R32	45	350	3.9	6208114612	60W350-8-R32FD4502
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## Sandvik HL 500,HL 500 S,HL 550 S,HL 560 S



R38	45	500	5.2	6208117142	60W500-8-R38D4502
T38	45	500	5.3	6208122143	60W500-8-T38D4502

# SANDVIK

## Sandvik HLX 5,HFX 5,RDX 5



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	45	500	5.1	6210114145	60W500-10-R32D4502
R38	45	500	5.3	6210117148	60W500-10-R38D4502
T38	45	500	5.3	6210122147	60W500-10-T38D4502
R32	45	575	5.4	6210114150	60W575-10-R32D4502
T38	45	575	5.7	6210122152	60W575-10-T38D4502
T45	45	575	6.2	6210123153	60W575-10-T45D4502

## Sandvik RD 520,RD 525



T38	45	525	5.6	6210122168	60W525-10-T38D4502
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## Sandvik HL 600,HL 600 S



T38	45	525	5.5	6208122179	60W525-8-T38D4502
T45	45	525	5.8	6208123180	60W525-8-T45D4502
T38	45	600	5.9	6208122181	60W600-8-T38D4502
T45	45	600	6.5	6208123182	60W600-8-T45D4502

## Sandvik HL 600



T45	52	650	7.6	6208123183	60W650-8-T45D5202
T51	52	650	8.1	6208124184	60W650-8-T51D5202

# SANDVIK

## Sandvik HL 645,HL 645 S



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	45	600	6.6	6208122622	60W600-8-T38D4502
T45	45	600	6.9	6208123185	60W600-8-T45D4502

## Sandvik HL 650,HL 700,HL 700 T, HL 710,HL 800 T



T38	45	600	7.0	6208122186	60W600-8-T38D4502
T45	45	600	7.2	6208123187	60W600-8-T45D4502

## Sandvik HL 650,HL 700,HL 700 PE, HL 700 S,HL 710,HL 710 S,HL 710 PE, HL 710 SPE,HL 800 T, HL 800 PE



T38	52	600	8.0	6208122188	60W600-8-T38D5202
T45	52	600	8.5	6208123189	60W600-8-T45D5202
T51	52	600	8.5	6208124190	60W600-8-T51D5202

## Sandvik HL 1000,HL 1000 S



T45	52	590	8.9	6208123191	60W590-8-T45D5202
T51	52	590	9.3	6208124192	60W590-8-T51D5202
T45	52	670	9.7	6208123193	60W670-8-T45D5202
T51	52	670	10.0	6208124194	60W670-8-T51D5202

## Sandvik HL 1000,HL 1010



T51	60	670	12.0	6208124195	60W670-8-T51D6002
ST58	60	670	12.8	6208134196	60W670-8-ST58D6002
MG60	60	670	13.0	6208126197	60W670-8-MG60D6002

# SANDVIK

## Sandvik HL 1000,HL 1010



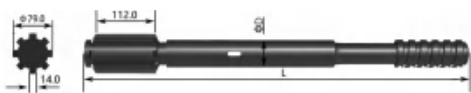
Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
ST58	80	635	17.0	6208134199	60W635-8-ST58D8002
ST68	80	640	18.8	6208135200	60W640-8-ST68D8002

## Sandvik HL 1000 PE,HL 1500 PE, HL 1560 T



T51	65	760	16.0	6208124202	60W760-8-T51D6502
ST58	65	760	16.8	6208134205	60W760-8-ST58D6502
MG60	65	760	17.0	6208126206	60W760-8-MG60D6502

## Sandvik HL 1500,HL 1500 T



T51	60	760	13.0	6208124211	60W760-8-T51D6002
MG60	60	760	15.0	6208126212	60W760-8-MG60D6002

# FURUKAWA

## Furukawa PD 200



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	44.5	330	3.0	6304014301	60W330-4-R32D4403
T38	44.5	380	3.6	6304022304	60W380-4-T38D4403
T38	44.5	446	4.0	6304022308	60W446-4-T38D4403

## Furukawa PD 200 R



R38	44.5	485	4.2	6304017629	60W485-4-R38D4403
T38	44.5	380	4.2	6304022296	60W380-4-T38D4403
T38	44.5	485	5.2	6304022298	60W485-4-T38D4403
T45	44.5	495	5.3	6304023300	60W495-4-T45D4403

## Furukawa HD 300



T38	45	655	6.0	6306022241	60W655-6-T38D4503
T45	45	655	6.7	6306023242	60W655-6-T45D4503

## Furukawa HD 609



T38	45	620	6.0	6308122247	60W620-8-T38D4503
T38	45	690	6.4	6308122249	60W690-8-T38D4503
T45	45	620	6.3	6308123248	60W620-8-T45D4503
T45	45	690	6.7	6308123250	60W690-8-T45D4503



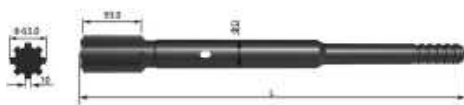
# FURUKAWA

## Furukawa HD 612



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	50.8	710	8.6	6308122623	60W710-8-T38D5103
T45	50.8	710	8.9	6308123256	60W710-8-T45D5103
T51	50.8	710	9.0	6308124257	60W710-8-T51D5103

## Furukawa HD 709,HD 818



T38	45	620	6.3	6308122270	60W620-8-T38D4503
T45	45	620	6.8	6308123271	60W620-8-T45D4503
T51	53	620	6.8	6308124272	60W620-8-T51D5303

## Furukawa HD 712,HD 822,HD 826



T38	51	590	8.0	6308122624	60W590-8-T38D5103
T45	51	590	8.4	6308123277	60W590-8-T45D5103
T51	51	590	8.8	6308124278	60W590-8-T51D5103
T38	51	790	8.9	6308122625	60W790-8-T38D5103
T45	51	790	9.5	6308123279	60W790-8-T45D5103
T51	51	790	10.8	6308124280	60W790-8-T51D5103

## Furukawa HD 709 RP,HD 818 RP



T38	45	785	8.8	6308122275	60W785-8-T38D4503
T45	45	785	9.2	6308123273	60W785-8-T45D4503
T38	45	815	9.0	6308122276	60W815-8-T38D4503
T45	45	815	9.5	6308123274	60W815-8-T45D4503

# FURUKAWA

Furukawa HD 712 RP, HD 822 RP,  
HD 826 RP



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	51	885	12.2	6308122626	60W885-8-T38D5103
T45	51	885	12.6	6308123313	60W885-8-T45D5103
T51	51	885	13.0	6308124315	60W885-8-T51D5103

Furukawa HD 715 RP, HD 828 RP



T45	58	885	15.3	6308123627	60W885-8-T45D5803
T51	58	885	15.8	6308124294	60W885-8-T51D5803

# MONTABERT

## Montabert H 100



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	44.5	537	5.3	6406022322	60W537-6-T38D4404

## Montabert HC 25



26°	45	570	6.4	6408---327	60W570-8-26°D4504
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## Montabert HC 25 Female



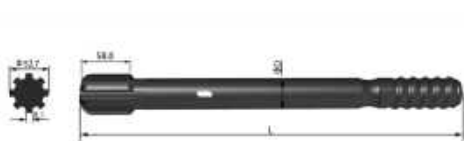
R32	45	202	1.9	6408114328	60W202-8-R32FD4504
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## Montabert HC 40,HC 50 Female



R32	45	270	2.8	6408114338	60W270-8-R32FD4504
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## Montabert HC 40,HC 50



R32	38	447	3.5	6408114335	60W447-8-R32D3804
R38	38	447	4.0	6408117336	60W447-8-R38D3804
T38	38	447	4.0	6408122337	60W447-8-T38D3804

## Montabert HC 80,HC 90,HC 105, HC 108,HC 109,HC 120



R32	38	440	3.6	6408114339	60W440-8-R32D3804
R38	38	440	3.9	6408117340	60W440-8-R38D3804
T38	38	440	3.9	6408122341	60W440-8-T38D3804
T38	38	500	4.1	6408122344	60W500-8-T38D3804

# MONTABERT

Montabert HC 80,HC 90,HC 105,  
HC 108,HC 109,HC 120



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T38	45	460	5.0	6408122346	60W460-8-T38D4504
T38	45	490	5.3	6408122345	60W490-8-T38D4504

Montabert HC 80,HC 90,HC 105,  
HC 108,HC 109,HC 120



T45	45	490	5.6	6408123347	60W490-8-T45D4504
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Montabert HC 80 RP,HC 105 RP,  
HC 107 RP,HC 108 RP,HC 109 RP



T38	45	670	7.2	6408122350	60W670-8-T38D4504
T45	45	670	7.5	6408123351	60W670-8-T45D4504

Montabert HC 95 R



T38	45	503	5.8	6408122360	60W503-8-T38D4504
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Montabert HC 120 RP,HC 150 RP,  
HC 155 RP,HC 158 RP



T45	51	670	8.8	6408123372	60W670-8-T45D5104
T51	51	670	8.9	6408124373	60W670-8-T51D5104

Montabert HC 160,HC 170



T45	60	805	14.8	6408123377	60W805-8-T45D6004
T51	60	805	14.9	6408124378	60W805-8-T51D6004
MT60	60	805	15.3	6408125628	60W805-8-MT60D6004

# MONTABERT

## Montabert HC 200



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T51	51	840	13.2	6408124380	60W840-8-T51D5104

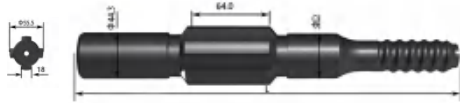
## Montabert HC 200 A



T51	60	840	16.4	6408124381	60W840-8-T51D6004
MG60	60	840	16.8	6408126382	60W840-8-MG60D6004

# INGERSOLL-RAND

Ingersoll -rand URD 475,URD 550,  
VL 120,EVL 130, VL 140,F 16



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
R32	44.5	330	3.0	6504014390	60W330-4-R32D4405
R32	44.5	380	4.1	6504014391	60W380-4-R32D4405
T38	44.5	380	3.6	6504022393	60W380-4-T38D4405
T38	44.5	446	4.0	6504022397	60W446-4-T38D4405

Ingersoll -rand YH 45,YH 50



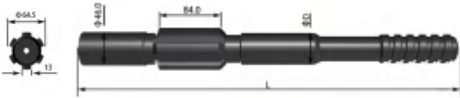
T38	38	440	3.8	6506022386	60W440-6-T38D3805
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Ingersoll -rand YH 65,YH 70,YH 80



T38	45	495	5.4	6506022403	60W495-6-T38D4505
T45	45	495	5.5	6506023404	60W495-6-T45D4505

Ingersoll -rand YH 80 A



T45	51	495	6.1	6506023408	60W495-6-T45D5105
T51	51	495	5.7	6506024410	60W495-6-T45D5105

Ingersoll -rand YH 65 RP,YH 70 RP,  
YH 75 RP,YH 80 RP



T38	45	700	7.8	6506022406	60W700-6-T38D4505
T45	45	700	7.9	6506023407	60W700-6-T45D4505

# INGERSOLL-RAND

Ingersoll -rand YH 95,YH 100



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T51	51	625	8.8	6508024415	60W625-8-T51D5105

Ingersoll -rand Hydrastar 200 Female



R32	45	351	3.7	6208114221	60W351-8-R32FD4505
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# KRUPP

## Krupp HB 32



Thread	Dia (mm)	Length (mm)	Weight (kg)	Product No.	Part No.
T45	65	780	16.2	6606123526	60W780-6-T45D6506
T51	65	780	16.7	6606124527	60W780-6-T51D6506

## Krupp HB 101



T45	64.5	699	11.1	6606123530	60W699-6-T45D6506
T51	64.5	699	11.3	6606124531	60W699-6-T51D6506