

## DRIFTING, TUNNELLING AND BOLTING

A New dimension in Rock Drilling Tools



With growing demand of customers to drill fast, rig manufacturers have introduced powerful rockdrills that range as high as 30KW. The big challenge now is with the rock drilling tool manufacturers to withstand these high powerful rockdrills and achieve a desirable life.

G-ROC evidently considered the growing demand of the customers and the powerful rockdrills in market today. With over two decades of field and manufacturing exposure, we took the challenge to synchronise our products to present conditions.

We G-ROCERS, offer you crafted rock drilling tools that can assure the best cost per meter to our customers. Our excellency is our competency.

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## Button Bit

4

1 – DTH Button Bit  
 2 – DTH Hammer  
 3 – Drill Pipe  
 4 – Threaded Bit  
 5 – Rods  
 6 – Couplings  
 7 – Shank Adaptor

00

### Thread Type

00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

00

### Features

00 Flat Face, Std Skirt-6no Spherical Buttons  
 06 Drop Center, Retrac-9no Spherical Buttons  
 67 Flat Face, Retrac-11no Ballistic Buttons  
 73 Drop Center, Std Skirt-10no Ballistic Buttons

000

**Diameter of Button Bit in mm**

FOR MORE DESIGN CODING, PLEASE REFER TO ANNEXURE

## Drifter/ Round Rods

5

1 – DTH Button Bit  
 2 – DTH Hammer  
 3 – Drill Pipe  
 4 – Threaded Bit  
 5 – Rods  
 6 – Couplings  
 7 – Shank Adaptor

00

### Thread Type

00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

00

### Thread Type

00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

0

### Type

0 – Hex 25  
 1 – Hex 28  
 2 – Hex 32  
 3 – Hex 35  
 4 – Hex 35MF  
 5 – Extension C  
 6 – Speed rod  
 7 – Hex 38  
 8 – Extension SH

00

### Length in meters

12 – 1.2meters  
 36 – 3.6meters  
 43 – 4.3meters

FOR MORE DESIGN CODING, PLEASE REFER TO ANNEXURE

## Coupling

**6**

1 – DTH Button Bit  
 2 – DTH Hammer  
 3 – Drill Pipe  
 4 – Threaded Bit  
 5 – Rods  
 6 – Couplings  
 7 – Shank Adaptor

**00**
**Thread Type**

00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

**00**
**Thread Type**

00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

**00**
**Diameter  
 in mm**
**0**
**Type**

0 – Female Female  
 1 – Female Male  
 2 – Female  
 Female (B)

## Shank Adaptor

**7**

1 – DTH Button Bit  
 2 – DTH Hammer  
 3 – Drill Pipe  
 4 – Threaded Bit  
 5 – Rods  
 6 – Couplings  
 7 – Shank Adaptor

**00**
**Rock drill/  
 Drifter Model**

03 – HLX5  
 31 – COP 1838  
 56 – HD712RP

Refer Product Codingg  
 Annexure: Page no:XX

**000**
**Length in mm**
**00**
**Thread Type**

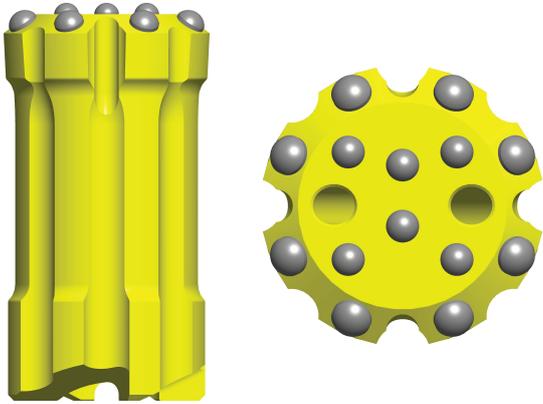
00 – R25  
 01 – R28  
 02 – R32  
 03 – R38  
 04 – T38  
 05 – T45

Code	Face design	Shank	Button Shape	No.of buttons		Code	Face design	Shank	Button Shape	No.of buttons	
00	Flat Face	STD	Spherical	6		40	Drop Center	Retrac	Spherical	16	
01	Flat Face	STD	Spherical	7		41	Drop Center	Retrac	Spherical	14	Enlarge GB
02	Flat Face	STD	Spherical	7	Enlarge GB	42	Drop Center	Short Retrac	Spherical	13	
03	Flat Face	STD	Spherical	9		43	Drop Center	Short Retrac	Spherical	16	
04	Flat Face	STD	Spherical	9	Heavy Duty	44	Flat Face	Retrac	Spherical	13	
05	Flat Face	STD	Spherical	8		45	Flat Face	STD	Spherical	11	Super Large
06	Drop Center	Retrac	Spherical	9		46	Flat Face	Retrac	Spherical	14	
07	Flat Face	STD	Spherical	9	Enlarge GB	47	Flat Face	Retrac	Spherical	18	Special Design
08	Flat Face	STD	Spherical	12		48	Flat Face	Retrac	Spherical	19	Special Design
09	Flat Face	Retrac	Spherical	12							
10	Drop Center	STD	Spherical	10		60	Flat Face	STD	Ballistic	7	
11	Drop Center	Retrac	Spherical	10		61	Flat Face	STD	Ballistic	7	Enlarge GB
12	Drop Center	Retrac	Spherical	13		62	Flat Face	STD	Ballistic	8	
13	Drop Center	STD	Spherical	9		63	Flat Face	STD	Ballistic	9	
14	Flat Face	Retrac	Spherical	9		64	Flat Face	STD	Ballistic	9	Heavy Duty
15	Flat Face	STD	Spherical	10	Enlarge GB	65	Flat Face	Retrac	Ballistic	9	
16	Drop Center	STD	Spherical	10	Enlarge GB	66	Drop Center	Retrac	Ballistic	9	
17	Drop Center	Retrac	Spherical	10	Enlarge GB	67	Flat Face	Retrac	Ballistic	11	
18	Flat Face	STD	Spherical	13	Enlarge GB	68	Flat Face	STD	Ballistic	9	Enlarge GB
19	Flat Face	STD	Spherical	10		69	Flat Face	STD	Ballistic	12	
20	Drop Center	STD	Spherical	13	Enlarge GB	70	Drop Center	Retrac	Ballistic	10	
21	Drop Center	STD	Spherical	11		71	Flat Face	Retrac	Ballistic	12	
22	Flat Face	STD	Spherical	11	Enlarge GB	72	Drop Center	STD	Ballistic	10	
23	Flat Face	Retrac	Spherical	13	Enlarge GB	73	Drop Center	STD	Ballistic	10	Enlarge GB
24	Flat Face	STD	Spherical	14		74	Drop Center	Retrac	Ballistic	10	Enlarge GB
25	Drop Center	Retrac	Spherical	13	Enlarge GB	75	Flat Face	STD	Ballistic	13	
26	Flat Face	STD	Spherical	14	Enlarge GB	76	Drop Center	Retrac	Ballistic	13	
27	Flat Face	Retrac	Spherical	14	Enlarge GB	77	Drop Center	STD	Ballistic	13	Enlarge GB
28	Drop Center	Retrac	Spherical	14		78	Drop Center	Retrac	Ballistic	13	Enlarge GB
29	Drop Center	STD	Spherical	14		79	Flat Face	STD	Ballistic	14	Enlarge GB
30	Flat Face	STD	Spherical	14	Enlarge GB	80	Drop Center	Retrac	Ballistic	14	
31	Flat Face	STD	Spherical	11		81	Flat Face	STD	Ballistic	13	Large GB
32	Flat Face	STD	Spherical	17	Enlarge GB	82	Flat Face	Retrac	Ballistic	14	Large GB
33	Flat Face	Retrac	Spherical	17	Enlarge GB	83	Drop Center	STD	Ballistic	11	
34	Drop Center	STD	Spherical	14	Enlarge GB	84	Drop Center	STD	Ballistic	14	
35	Drop Center	Retrac	Spherical	16	Enlarge GB	85	Drop Center	Short Retrac	Ballistic	13	
36	Flat Face	STD	Spherical	22		86	Drop Center	Short Retrac	Ballistic	16	
37	Flat Face	STD	Spherical	20	Enlarge GB	90	Dome	Standard	Spherical		
38	Flat Face	STD	Spherical	16	Enlarge GB	91	Dome	Standard	Ballistic		
39	Drop Center	STD	Spherical	16		92	Convex	Standard	Ballistic	9	
						93	Flat Face	Shart Wing	Ballistic	13	HD



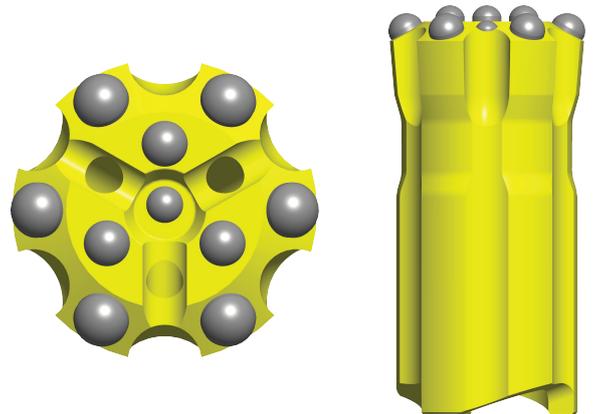
Code	Model	Code	Model
00		25	Epiroc COP 1238
01		26	Epiroc COP 1435
02		27	Epiroc COP 1440, COP 1550, COP 1838 (OD:52mm)
03	Sandvik/Tamrock HLX 5, HFX	28	Epiroc COP 1440, COP 1550, COP 1638, COP 1838, COP 2238 (OD:38)
04	Sandvik/Tamrock L 400, L 500	29	Epiroc COP 1640 (OD:52mm)
05	Sandvik/Tamrock L 600, L 750	30	Epiroc COP 1640EX (OD:60mm)
06	Sandvik/Tamrock 438 LS, 438 TS, HL 538, HL 538 L, L 550 S	31	Epiroc COP 1838EX (OD:60mm)
07	Sandvik/Tamrock 438, 538	32	Epiroc COP 1838MUX/HUX (OD:52mm)
08	Sandvik/Tamrock HL 300	33	Epiroc COP 1840 (OD:52mm)
09	Sandvik/Tamrock HL 300 S	34	Epiroc COP 1840EX (OD:60mm)
10	Sandvik/Tamrock HL 500 F	35	Epiroc COP 2150 (OD:52mm)
11	Sandvik/Tamrock HL 500	36	Epiroc COP 2150EX (OD:60mm)
12	Sandvik/Tamrock HL 500S	37	Epiroc COP 2150, COP 2550 (OD:52)
13	Sandvik/Tamrock HL 600, HL 600 S	38	Epiroc COP 2150EX, COP 2550EX (OD:60mm)
14	Sandvik/Tamrock HL 645, HL 645 S	50	Furukawa HD 90
15	Sandvik/Tamrock HL 700, HL 800	51	Furukawa HD 190
16	Sandvik/Tamrock HL 1000	52	Furukawa HD 300
17	Sandvik/Tamrock HL 1500	53	Furukawa HD 609
20	Epiroc BBC 54, BBC 120	54	Furukawa HD 612 RP
21	Epiroc BBE 57	55	Furukawa PD 200
23	Epiroc COP 125, COP 130, COP 131	56	Furukawa HD 712 RP
24	Epiroc COP 1036, COP 1038, COP 1238		



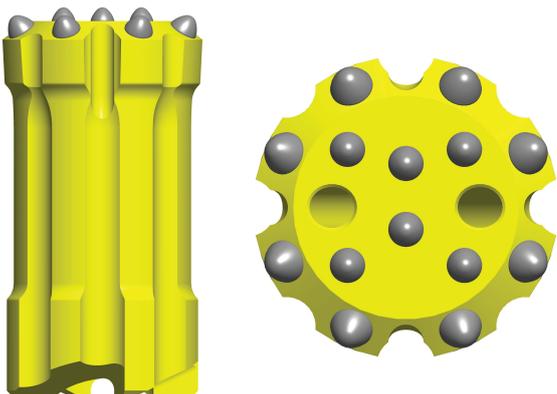


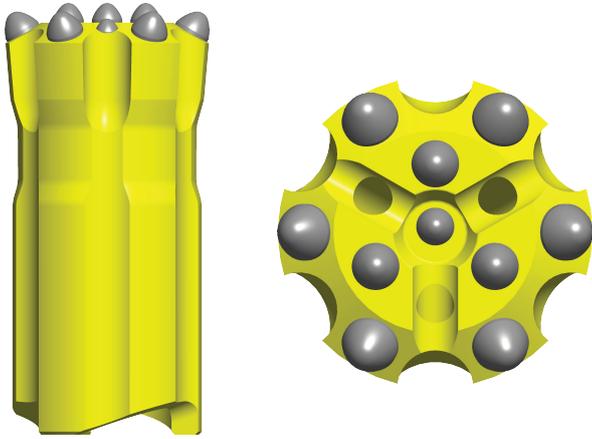
Flat Face, Retract  
with Spherical Button

Drop Center, Retract  
with Spherical Button



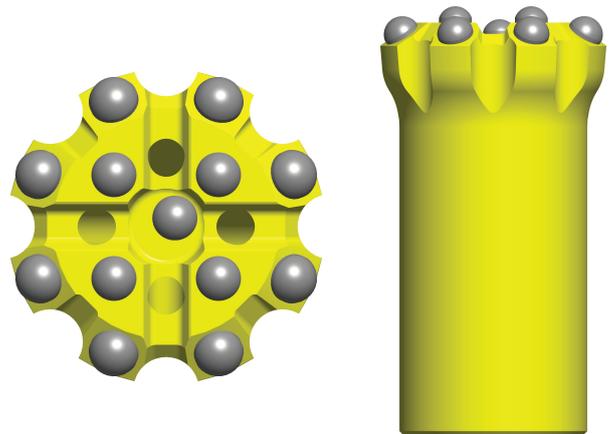
Flat Face, Retract with  
Ballistic Button



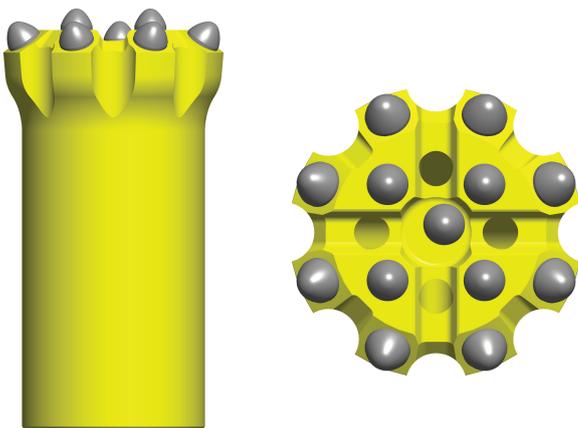


Drop Center, Retract  
with Ballistic Button

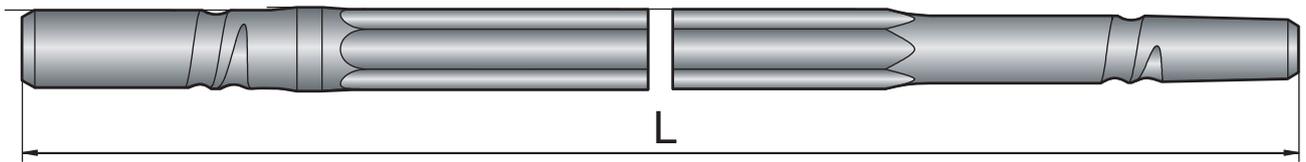
Drop Center, STD Skirt  
with Spherical Button



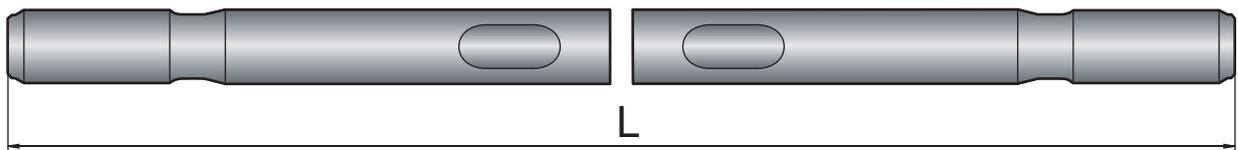
Drop Center, STD Skirt  
with Ballistic Button



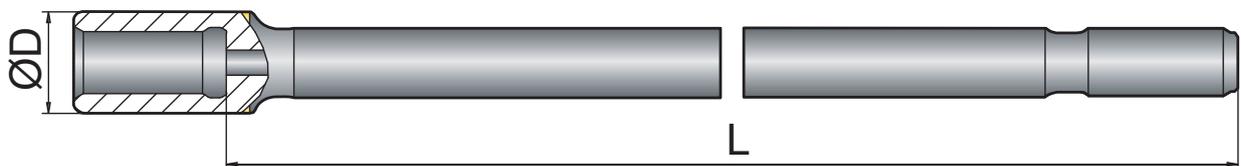
### Drifter Rod



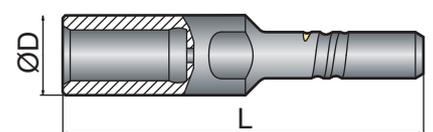
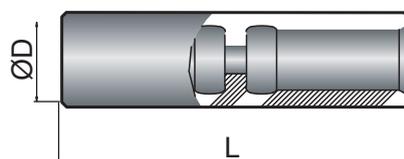
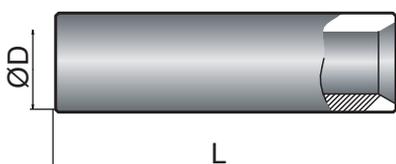
### Extension rod



### Speed rod



### Couplings & adapters



# Drifting, Tunnelling and Bolting



## Drill bits

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre	Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>									
33	1 <sup>5</sup> / <sub>16</sub>	40001033	Flat Face, Std Skirt	7	5×7	2×7		1	0.4
35	1 <sup>3</sup> / <sub>8</sub>	40002035	Flat Face, Std Skirt	7	5×9	2×7	1	1	0.5
37	1 <sup>5</sup> / <sub>32</sub>	40002037	Flat Face, Std Skirt	7	5×9	2×7	1	1	0.4
38	1 <sup>1</sup> / <sub>2</sub>	40002038	Flat Face, Std Skirt	7	5×9	2×7	1	1	0.6
38	1 <sup>1</sup> / <sub>2</sub>	40000038	Flat Face, Std Skirt	6	4×9	2×8	2	1	0.5
41	1 <sup>5</sup> / <sub>8</sub>	40002041	Flat Face, Std Skirt	7	5×9	2×8	1	1	0.6
41	1 <sup>5</sup> / <sub>8</sub>	40000041	Flat Face, Std Skirt	7	5×9	2×8	1	1	0.6
45	1 <sup>3</sup> / <sub>4</sub>	40002045	Flat Face, Std Skirt	7	5×11	2×8	2	1	0.7
45	1 <sup>3</sup> / <sub>4</sub>	40000045	Flat Face, Std Skirt	7	5×11	2×8	2	1	0.6
48	1 <sup>7</sup> / <sub>8</sub>	40002048	Flat Face, Std Skirt	7	5×11	2×9	2	1	1
<b>BUTTON BIT - Ballistic buttons</b>									
33	1 <sup>5</sup> / <sub>16</sub>	40060033	Flat Face, Std Skirt	7	5×7	2×7	1	1	0.4
35	1 <sup>3</sup> / <sub>8</sub>	40061035	Flat Face, Std Skirt	7	5×9	2×7	1	1	0.5
38	1 <sup>1</sup> / <sub>2</sub>	40061038	Flat Face, Std Skirt	7	5×9	2×7	1	1	0.5
41	1 <sup>5</sup> / <sub>8</sub>	40061041	Flat Face, Std Skirt	7	5×9	2×8	1	1	0.6



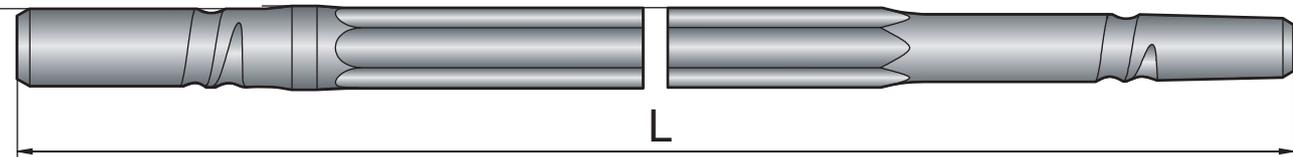
# R25

### Drifter rods

R32 (1¼") - Hex. 25 mm (1") - R25 (1")

Rod section 28,4 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
2100	6'10 <sup>5</sup> / <sub>8</sub> "	50002021	8.6
2200	7'2 <sup>5</sup> / <sub>8</sub> "	50002022	9.0
2400	7'10 <sup>1</sup> / <sub>2</sub> "	50003024	9.3
3700	12'1 <sup>5</sup> / <sub>8</sub> "	50006037	14.6



### Couplings

Thread diameter		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R32	1¼	44	1 <sup>23</sup> / <sub>32</sub>	150	5 <sup>7</sup> / <sub>8</sub>	60202440	0.9
R32	1¼	44	1 <sup>23</sup> / <sub>32</sub>	150	6 <sup>5</sup> / <sub>16</sub>	60202442	1

# R28 (1 1/8)

## Drifting, tunnelling and bolting

### Drill bits

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
37	1 <sup>5</sup> / <sub>32</sub>	40102037	Flat Face, Std Skirt	7	5×9	2×7	30°	1	1	0.6
38	1/2	40102038	Flat Face, Std Skirt	7	5×9	2×7	30°	1	1	0.6
41	1 <sup>5</sup> / <sub>8</sub>	40102041	Flat Face, Std Skirt	7	5×9	2×8	30°	1	1	0.7
43	1 <sup>1</sup> / <sub>16</sub>	40102043	Flat Face, Std Skirt	7	5×10	2×8	30°	1	1	0.7
45	1/4	40103045	Flat Face, Std Skirt	9	6×10	3×8	25°	1	3	0.8
45	1/4	40100045	Flat Face, Std Skirt	7	5×11	2×8	25°	1	3	0.8
<b>BUTTON BIT - Ballistic buttons</b>										
38	1/2	40161038	Flat Face, Std Skirt	7	5×9	2×7	30°	1	1	0.6
41	1 <sup>5</sup> / <sub>8</sub>	40161041	Flat Face, Std Skirt	7	5×9	2×8	30°	1	1	0.6

### Drifter rods

R32 (1 1/4") - Hex. 28 mm (11/8") - R28 (11/8")

Rod section 31,8 mm.

R38 (1 1/2") - Hex. 32 mm (1 1/4") - R28 (11/8")

Rod section 35,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
2400	7'10 1/2"	50102124	11.9
2600	8'6 3/8"	50102126	13.6
2750	9'1/4"	50102128	14.4
3090	10'1 5/8"	50102131	15.4
3400	11'7/8"	50102134	17.9
3700	12'1 5/8"	50102137	18.5
4310	14'1 5/8"	50102143	21.5
5530	18'1 3/4"	50102155	28.8

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3090	10'1 5/8"	50103231	20.5
3700	12'1 5/8"	50103237	23.5
4310	14'1 5/8"	50103243	27.3



# R28 (1 1/8)

## Drifting, tunnelling and bolting

R38 (1 1/2") - Hex. 28 mm (1 ") - R28 (1 ")<sup>s</sup>

Rod section 31,8 mm

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
2475	8'1 1/2"	50103124	13.0
4310	14'1 5/8"	50103143	21.9

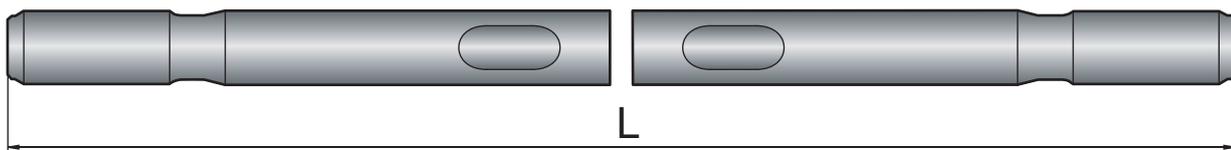
R32 (1 1/4") - Hex. 32 mm (1 1/4") - R28 (1 1/8")

Rod section 35,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
4000	13'1 1/2"	50102240	25.6
4310	14'1 5/8"	50102243	27.5

Rod section 35,8 mm

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3090	10'1 5/8"	50102231	19.7



## Couplings

Thread diameter		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R32	1 1/4	44	1 23/32	150	5 7/8	60202440	0.9
R32	1 1/4	44	1 23/32	150	6 5/16	60202442	1
R38	1 1/2	55	2 5/32	170	6 3/4	60303550	1.7
R38	1 1/2	55	2 5/32	180	7 1/8	60303552	2

# R32 (1¼)

## Drifting, tunnelling and bolting

### Drill bits

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
41	1 <sup>5</sup> / <sub>8</sub>	40202041	Flat Face, Std Skirt	7	5×9	2×8	30°	1	1	0.9
43	1 <sup>11</sup> / <sub>16</sub>	40202043	Flat Face, Std Skirt	7	5×10	2×8	30°	1	1	0.7
43	1 <sup>11</sup> / <sub>16</sub>	40203043	Flat Face, Std Skirt	9	6×9	3×8	25°	1	3	0.8
45	1¾	40202045	Flat Face, Std Skirt	7	5×11	2×8	30°	2	1	0.8
45	1¾	40203045	Flat Face, Std Skirt	9	6×10	3×8	25°	1	3	0.8
45	1¾	40200045	Flat Face, Std Skirt	7	5×11	2×8	30°	2	1	0.8
48	1 <sup>7</sup> / <sub>8</sub>	40202048	Flat Face, Std Skirt	7	5×11	2×9	35°	2	1	0.8
48	1 <sup>7</sup> / <sub>8</sub>	40203048	Flat Face, Std Skirt	9	6×10	3×8	35°	1	3	0.9
51	2	40204051	Flat Face, Std Skirt	7	5×11	2×11	35°	1	1	0.8
51	2	40202051	Flat Face, Std Skirt	7	6×11	2×9	30°	2	2	1.0
51	2	40205051	Flat Face, Std Skirt	8	6×10	2×10	40°	2	2	1.0
51	2	40203051	Flat Face, Std Skirt	9	6×10	3×9	40°	1	3	0.9
51	2	40206051	Drop Center, Retrac	9	6×10	3×9	30°	-	3	1.1
57	2¼	40207057	Flat Face, Std Skirt	9	6×11	3×9	35°	-	3	1.1
64	2½	40208064	Flat Face, Std Skirt	12	8×10	4×9	30°	-	2	1.5
64	2½	40209064	Flat Face, Retrac	12	8×10	4×10	40°	-	2	2.2
64	2½	40210064	Drop Center, Std Skirt	10	6×11	3×10, 1×10	35°	-	3	1.5
64	2½	40211064	Drop Center, Retrac	10	6×11	3×10, 1×10	35°	-	3	2.2
76	3	40208076	Flat Face, Std Skirt	12	8×11	4×11	35°	-	2	1.8
76	3	40212076	Drop Center, Retrac	13	8×11	4×11, 1×11	35°	1	4	3.4
<b>BUTTON BIT - Ballistic buttons</b>										
41	1 <sup>5</sup> / <sub>8</sub>	40261041	Flat Face, Std Skirt	7	5×9	2×8	30°	1	1	0.7
43	1 <sup>11</sup> / <sub>16</sub>	40261043	Flat Face, Std Skirt	7	5×10	2×8	30°	1	1	0.7
43	1 <sup>11</sup> / <sub>16</sub>	40263043	Flat Face, Std Skirt	9	6×8	3×8	25°	1	3	0.7
45	1¾	40261045	Flat Face, Std Skirt	7	5×11	2×8	30°	2	1	0.8
45	1¾	40263045	Flat Face, Std Skirt	9	6×10	3×8	25°	1	3	0.8
45	1¾	40264045	Flat Face, Std Skirt	9	6×10	3×8	25°	1	3	0.8
45	1¾	40292045	Flat Face, Std Skirt	10	6×8	3×8	25°	1	3	0.8
48	1 <sup>7</sup> / <sub>8</sub>	40263048	Flat Face, Std Skirt	9	6×10	3×9	35°	1	3	0.8
51	2	40263051	Flat Face, Std Skirt	9	6×10	3×9	40°	1	3	0.9
51	2	40265051	Flat Face, Retrac	9	6×10	3×9	40°	1	3	1.1
51	2	40264051	Flat Face, Std Skirt	9	6×10	3×10	35°	-	3	1.0
51	2	40266051	Drop Center, Retrac	9	6×10	3×9	35°	-	3	1.2
54	2 <sup>1</sup> / <sub>8</sub>	40267054	Flat Face, Retrac	11	8×9	3×9	35°	2	1	1.8
54	2 <sup>1</sup> / <sub>8</sub>	40263054	Flat Face, Std Skirt	9	6×10	3×9	40°	1	3	1.0
57	2¼	40268057	Flat Face, Std Skirt	9	6×11	3×9	35°	-	3	1.0
64	2½	40269064	Flat Face, Std Skirt	12	8×10	4×9	30°	-	2	1.4
64	2½	40270064	Drop Center, Retrac	10	6×11	3×10, 1×10	35°	-	3	2.2

# R32 (1¼)

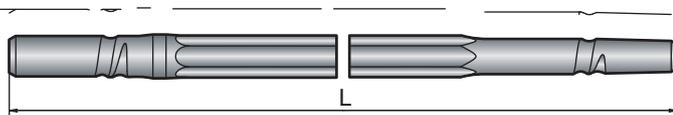
## Drifting, tunnelling and bolting

### Drifter rods

R/T38 (1½") - Hex. 32 mm (1¼") - R32 (1¼")

Rod Section 35,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
2400	7'10½"	50203224	15.3
2400	7'10½"	50204224	15.3
2700	8'10¼"	50203227	17.2
3090	10'1⁵⁄₈"	50203231	19.7
3090	10'1⁵⁄₈"	50204231	19.8
3400	11'7⁄₈"	50204234	22.0
3700	12'1⁵⁄₈"	50203237	23.5
3700	12'1⁵⁄₈"	50204237	23.6
4000	13'1½"	50203240	26.0
4310	14'1⁵⁄₈"	50203243	27.4
4310	14'1⁵⁄₈"	50204243	27.3
4920	16'1³⁄₄"	50203249	31.4
4920	16'1³⁄₄"	50204249	31.3
5530	18'1³⁄₄"	50203255	34.8
5530	18'1³⁄₄"	50204255	34.8



R/T38 (1½") - Hex. 35 mm (13⁄8") - R32 (1¼")

Rod section 39,6 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3090	10'1⁵⁄₈"	50203331	23.9
3090	10'1⁵⁄₈"	50204331	23.8
3600	11'9¾"	50204336	28.3
3700	12'1⁵⁄₈"	50203337	28.6
3700	12'1⁵⁄₈"	50204337	28.6
4000	13'1½"	50203340	31.2
4310	14'1⁵⁄₈"	50203343	33.7
4310	14'1⁵⁄₈"	50204343	33.6
4500	14'9¹⁄₈"	50203345	34.7
4500	14'9¹⁄₈"	50204345	34.7
4920	16'1¼"	50203349	38.2
4920	16'1¼"	50204349	38.3
5530	18'1¼"	50203355	43.1
5530	18'1¼"	50204355	43.2
6100	20'1⁄₈"	50204361	47.7
6400	21'	50204364	49.3

R38 (1½") - Hex. 32 mm (1¼") - R32 (1¼")

Rod section 35,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
4310	14'1⁵⁄₈"	50203243	27.5

### Couplings

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
T38	1½	52	2¹⁄₁₆	190	7½	60404520	1.7
R38	1½	55	2⁵⁄₃₂	170	6¾	60303550	1.7
T38	1½	55	2⁵⁄₃₂	190	7½	60404550	1.9
R38	1½	55	2⁵⁄₃₂	180	7¹⁄₈	60303552	2
T38	1½	55	2⁵⁄₃₂	180	7¹⁄₈	60404552	2

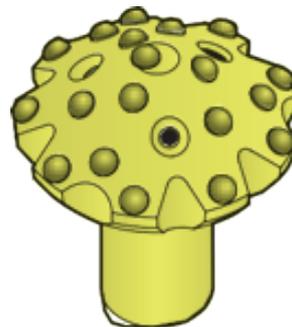
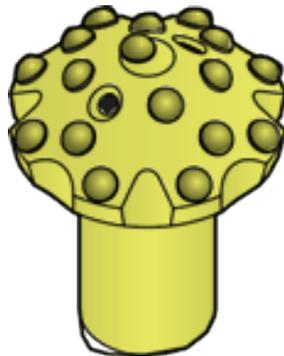


# R32 (1¼)

## Drifting, tunnelling and bolting

### Drill bits

Thread		Diameter		Product No.	Product Details	No. of buttons	Buttons *		Gauge buttons angle	Flushing hole		Weight approx. kg
mm	inch	mm	inch				Gauge	Centre		Side	Centre	
<b>DOME BIT - Spherical buttons</b>												
R32	1¼	127	5	40291127	Dome Bit	19	18×12,7	1×12,7	35°	1	3	4,8
<b>DOME BIT - Ballistic buttons</b>												
R32	1¼	102	4	40292102	Dome Bit	17	16×12,7	1×12,7	35°	2	2	3,2





# Bench & Production **DRILLING**



# R25 (1")

## Bench and production drilling

### Drill bits

Diameter		Product No.	Product code	No. of buttons	Buttons × button		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
33	1 <sup>5</sup> / <sub>16</sub>	40001033	Flat Face, Std Skirt	7	5×7	2×7	35°	1	1	0.4
35	1 <sup>3</sup> / <sub>8</sub>	40002035	Flat Face, Std Skirt	7	5×9	2×7	25°	1	1	0.5
37	1 <sup>15</sup> / <sub>32</sub>	40002037	Flat Face, Std Skirt	7	5×9	2×7	30°	1	1	0.4
38	1 <sup>1</sup> / <sub>2</sub>	40002038	Flat Face, Std Skirt	7	5×9	2×7	30°	1	1	0.6
38	1 <sup>1</sup> / <sub>2</sub>	40000038	Flat Face, Std Skirt	7	5×9	2×8	35°	1	1	0.6
41	1 <sup>5</sup> / <sub>8</sub>	40002041	Flat Face, Std Skirt	6	4×9	2×9	35°	2	1	0.6
41	1 <sup>5</sup> / <sub>8</sub>	40000041	Flat Face, Std Skirt	7	5×11	2×8	30°	2	1	0.7
45	1 <sup>3</sup> / <sub>4</sub>	40002045	Flat Face, Std Skirt	6	4×11	2×9	35°	2	1	0.6
45	1 <sup>3</sup> / <sub>4</sub>	40000045	Flat Face, Std Skirt	7	5×11	2×9	35°	2	1	1
48	1 <sup>7</sup> / <sub>8</sub>	40002048	Flat Face, Std Skirt	7	6×11	2×9	30°	2	2	1
<b>BUTTON BIT - Ballistic buttons</b>										
33	1 <sup>5</sup> / <sub>16</sub>	40060033	102-5033-17-67,39-20	7	5×7	2×7	35°	1	1	0.4
33	1 <sup>5</sup> / <sub>16</sub>	40061033	102-5033-41-67,39-20	7	5×8	2×7	40°	1	1	0.4
35	1 <sup>3</sup> / <sub>8</sub>	40061035	102-5035-27-67,39-20	7	5×9	2×7	25°	1	1	0.5
38	1 <sup>1</sup> / <sub>2</sub>	40061038	102-5038-27-67,39-20	7	5×9	2×7	30°	1	1	0.5
41	1 <sup>5</sup> / <sub>8</sub>	40061041	102-5041-27-67,39-20	7	5×9	2×8	30°	1	1	0.6

### Extension rods

R25 (1") - Hex. 22 mm (7/8") - R25 (1")

Rod section 24,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
610	2	50000006	2
1220	4	50000012	3.7



R25 (1") hex. rod

Rod section 28,5 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
915	3'	50000009	3.3
1000	3'3 <sup>3</sup> / <sub>8</sub> "	50000010	3.9
1220	4'	50000012	4.5
1525	5'	50000015	5.7
1830	6'	50000018	6.9
2435	8'	50000024	9.2
2800	9'2 <sup>1</sup> / <sub>4</sub> "	50000028	11.9
3050	10'	50000031	11.9
3050	10'		11.9

### Couplings

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R25	1	33	1 <sup>5</sup> / <sub>16</sub>	150	5 <sup>7</sup> / <sub>8</sub>	60000330	0.5
R25	1	34,5	1 <sup>3</sup> / <sub>8</sub>	150	5 <sup>7</sup> / <sub>8</sub>	60000350	0.8

# R28 (1 1/8")

## Bench and production drilling

### Drill bits

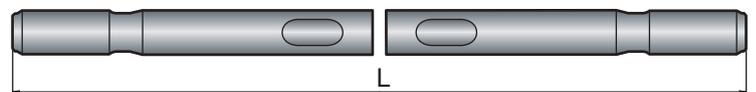
Diameter		Product No.	Product code	No. of buttons	Buttons ×		Gauge buttons angle°	Flushing hole		Weight approx. kg	
mm	inch				Gauge	Centre		Side	Centre		
<b>BUTTON BIT - Spherical buttons</b>											
37	1 <sup>5</sup> / <sub>32</sub>	90505296	107-5037-27,39-20	7	5×9	2×7	30°	1	1	0.6	
38	1/2	90505177	107-5038-27,39-20	7	5×9	2×7	30°	1	1	0.6	
38	1/2	90510216	107-5038-56,39-20	6	4×9	2×8	30°	2	1	0.6	
41	1 <sup>5</sup> / <sub>8</sub>	90505173	107-5041-27,39-20	7	5×9	2×8	35°	1	1	0.7	
43	1 <sup>1</sup> / <sub>16</sub>	90505169	107-5043-27,39-20	7	5×9	2×9	35°	2	1	0.7	
45	1/4	90509467	107-5045-37,39-20	9	6×9	3×8	35°	1	3	0.8	
51	2	90510397	107-6051,49-20	9	6×10	3×9	30°	-	3	1	
<b>BUTTON BIT - Ballistic buttons</b>											
38	1/2	90505178	107-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0.6	
41	1 <sup>5</sup> / <sub>8</sub>	90505174	107-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0.6	
				<b>Insert</b>							
<b>CROSS-TYPE BIT</b>				Width (mm)		Height (mm)					

### Extension rods

R28 (1 1/8") hex. rod

Rod section 32 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
1830	6	50101118	9.3
3050	10	50101131	15.3



### Coupling

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R28	1/8	44	1 <sup>9</sup> / <sub>16</sub>	150	5 <sup>7</sup> / <sub>8</sub>	60101440	0.9

# R32 (1 1/4")

## Bench and production drilling

### Drill bits

Diameter		Product No.	Product code	No. of buttons	Buttons *		Gauge buttons	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
48	1 7/8	40201048	Flat Face, Std Skirt	7	5x11	2x9	35°	2	1	0.8
48	1 7/8	40203048	Flat Face, Std Skirt	9	6x10	3x8	40°	1	3	0.9
51	2	40202051	Flat Face, Std Skirt	7	5x11	2x10	35°	2	1	1
51	2	40205051	Flat Face, Std Skirt	8	6x11	2x9	30°	2	2	1
51	2	40203051	Flat Face, Std Skirt	9	6x10	3x9	40°	1	3	0.9
51	2	40213051	Drop Center, Std Skirt	9	6x10	3x9	30°	-	3	1
51	2	40206051	Drop Center, Retractable	9	6x10	3x9	30°	-	3	1.1
54	2 1/8	40203054	Flat Face, Std Skirt	9	6x11	3x10	35°	1	4	1
57	2 1/4	40207057	Flat Face, Std Skirt	9	6x11	3x9	35°	-	3	1.1
57	2 1/4	40214057	Flat Face, Retractable	9	6x11	3x9	35°	-	3	1.5
64	2 1/2	40209064	Flat Face, Retractable	12	8x10	4x10	40°	-	2	1.5
64	2 1/2	40210064	Drop Center, Std Skirt	10	6x11	3x10, 1x10	35°	-	3	1.5
64	2 1/2	40211064	Drop Center, Retractable	10	6x11	3x10, 1x10	35°	-	3	2.2
76	3	40208076	Flat Face Std Skirt	12	8x11	4x11	35°	-	2	1.8
<b>BUTTON BIT - Ballistic buttons</b>										
48	1 7/8	40263048	103-5048-37-67,39-20	9	6x10	3x8	40°	1	3	0.8
51	2	40263051	103-5051-37-67,39-20	9	6x10	3x9	40°	1	3	0.9
51	2	40265051	103-5051-37-45-67,39-20	9	6x10	3x9	40°	1	3	1.1
51	2	40264051	103-5051-39-67,39-20	9	6x10	3x10	35°	-	3	1
51	2	40266051	103-6051-45-67,49-20	9	6x10	3x9	35°	-	3	1.2
54	2 1/8	40263054	103-5054-37-67,39-20	9	6x10	3x9	40°	1	3	1
57	2 1/4	40268057	103-5057-20-67,39-20	9	6x11	3x9	35°	-	3	1
64	2 1/2	40269064	103-5064-67,49-20	12	8x10	4x9	30°	-	2	1.4
64	2 1/2	40270064	103-6064-45-67,49-20	10	6x11	3x10, 1x10	35°	-	3	2.2

# R32 (1 1/4")

## Bench and production drilling

### Extension rods

R32 (1 1/4") round rod

Fully carburized or surface hardened.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
915	3'	50202509	4.8
1000	3'3 <sup>3</sup> / <sub>8</sub> "	50202510	5.2
1220	4'	50202512	6.5
1525	5'	50202515	8.7
1830	6'	50202518	9.8
2000	6'6 <sup>3</sup> / <sub>4</sub> "	50202520	11.6
2435	8'	50202524	13.2
2435	8'	50202824	13.9
3050	10'	50202531	16.6
3050	10'	50202831	17.1
3660	12'	50202537	20
3660	12'	50202837	20.5
4000	13'1 <sup>1</sup> / <sub>2</sub> "	50202540	21.7
4310	14'1 <sup>5</sup> / <sub>8</sub> "	50202543	23.4

### Speedrods

R32 (1 1/4") round Speedrod

D = 46 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
915	3	50202509	5.5
1220	4	50202512	7.3
1525	5	50202515	9
1830	6	50202518	10.6
2435	8	50202524	14
3050	10	50202531	18.6
3660	12	50202537	22.1
4270	14	50202543	25.6



### Couplings

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R32	1 1/4	42	1 21/32	150	5 7/8	60202420	0.9
R32	1 1/4	44	1 23/32	150	5 7/8	60202440	0.9

# R/T38 (1 1/2")

# Bench and production drilling

## Drill bits

Diameter		Product No.	Product Details		No. of buttons	Buttons × button		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch		R38 thread	T38 thread		Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>											
64	2½	40308064	Flat Face, Std Skirt		12	8×10	4×9	30°	-	2	1.5
64	2½	40408064		Flat Face, Std Skirt	12	8×10	4×9	30°	-	2	1.6
64	2½	40409064		Flat Face, Retracc	12	8×10	4×10	40°	-	2	1.9
64	2½	40407064		Flat Face, Std Skirt	9	6×12	3×11	35°	1	1	1.9
64	2½	40415064		Flat Face, Std Skirt	10	6×11	4×10	35°	1	2	1.6
64	2½	40410064		Drop Center, Std Skirt	10	6×11	3×10, 1×10	35°	-	3	1.7
64	2½	40411064		Drop Center, Retracc	10	6×11	3×10, 1×10	35°	-	3	2.3
64	2½	40416064		Drop Center, Std Skirt	10	6×12	3×10, 1×8	25°	-	3	1.7
64	2½	40449064		Special face, Std Skirt	13	8×10	4×10, 1×8	25°	-	4	1.7
76	3	40308076	Flat Face, Std Skirt		12	8×11	4×11	35°	-	2	2.6
76	3	40408076		Flat Face, Std Skirt	12	8×11	4×11	35°	-	2	2.2
76	3	40409076		Flat Face, Retracc	12	8×11	4×11	40°	-	2	3.1
76	3	40418076		Flat Face, Std Skirt	13	8×12	5×11	35°	1	2	2.3
76	3	40419076		Flat Face, Std Skirt	10	6×13	3×11, 1×11	35°	1	3	2.6
76	3	40420076		Drop Center, Std Skirt	13	8×12	4×11, 1×11	35°	-	4	2.4
76	3	40412076		Drop Center, Retracc	13	8×12	4×11, 1×11	35°	-	4	3.3
89	3½	40408089		Flat Face, Std Skirt	12	8×12	4×12	40°	-	2	3.2
89	3½	40409089		Flat Face, Retracc	12	8×12	4×12	40°	-	2	5.2
89	3½	40421089		Drop Center, Std Skirt	11	6×13	3×11, 2×11	35°	1	3	3
89	3½	40420089		Drop Center, Std Skirt	13	8×12	4×11, 1×11	35°	-	4	3
89	3½	40412089		Drop Center, Retracc	13	8×11	4×11, 1×10	35°	-	4	4.6
102	4	40408102		Flat Face, Std Skirt	12	8×14,7	4×14,5	40°	-	2	4
102	4	40420102		Drop Center, Std Skirt	13	8×14,7	4×13, 1×13	35°	-	4	3.9
<b>BUTTON BIT - Ballistic buttons</b>											
64	2½	40469064		Flat Face, Std Skirt	12	8×10	4×9	30°	-	2	1.6
64	2½	40471064		Flat Face, Retracc	12	8×10	4×10	40°	-	2	1.9
64	2½	40472064		Drop Center, Std Skirt	10	6×11	3×10, 1×10	35°	-	3	1.6
64	2½	40470064		Drop Center, Retracc	10	6×11	3×10, 1×10	35°	-	3	2.3
64	2½	40473064		Drop Center, Std Skirt	10	6×12	3×10, 1×8	25°	-	3	1.8
64	2½	40474064		Drop Center, Retracc	10	6×12	3×10, 1×8	25°	-	3	1.8
70	2¾	40470070		Drop Center, Retracc	10	6×11	3×11, 1×9	35°	-	3	2.4
76	3	40475076		Flat Face, Std Skirt	13	8×12	5×11	35°	1	2	2.3
76	3	40471076		Flat Face, Retracc	12	8×11	4×11	35°	-	2	3.1
76	3	40472076		Drop Center, Std Skirt	10	6×13	3×11, 1×11	35°	1	3	2.5
<b>BUTTON BIT - Ballistic buttons</b>											
76	3	40476076		Drop Center, Retracc	13	8×11	4×11, 1×11	35°	1	4	3.5
76	3	40477076		Drop Center, Std Skirt	13	8×12	4×11, 1×11	35°	-	4	2.4
76	3	40478076		Drop Center, Retracc	13	8×12	4×11, 1×11	35°	-	4	3.3
89	3½	40479089		Flat Face, Std Skirt	14	8×12	6×12	35°	1	2	3.1
89	3½	40480089		Drop Center, Retracc	14	8×11	4×11, 2×9	35°	1	4	5
102	4	40477102		Drop Center, Std Skirt	13	8×14,7	4×12, 1×12	35°	-	4	3.9



# R/T38 (1 1/2")

## Bench and production drilling

### Extension rods

T38 (1 1/2") - Hex. 32 mm (1 1/4") - T38 (1 1/2")

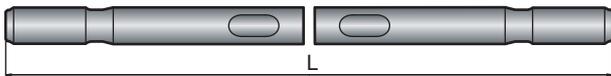
Rod section 35,8 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3050	10'	50404231	18.7
4000	13'1 1/2"	50404240	23.6

R/T38 (1 1/2") round rod

Fully carburized or surface hardened.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
280	11"	50303502	2
1220	4'	50404512	10
1830	6'	50303818	14.8
3050	10'	50303831	24
3050	10'	50404831	24.8
3660	12'	50404837	29
4270	14'	50404843	34.7



### Speedrods

T38 (1 1/2") round Speedrod

D = 57 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
600	1'11 5/8"	50404606	6,0
915	3'	50404609	8,3
1220	4'	50404612	10,9
1525	5'	50404615	13,3
1830	6'	50404618	15,8
3050	10	50404631	26,3
3660	12	50404637	31,5
4270	14	50404643	36,9
4880	16	50404649	41,9



### Couplings

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
R38	1 1/2	55	2 5/32	170	6 3/4	60303552	1.7
T38	1 1/2	55	2 5/32	180	7 1/8	60404552	2.0

# T45 (1<sup>3/4</sup>"

# Bench and production drilling

## Drill bits

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
76	3	40508076	Flat Face, Std Skirt	12	8×11	4×11	35°	-	2	2,2
76	3	40509076	Flat Face, Retracs	12	8×11	4×11	40°	-	2	2,8
76	3	40522076	Flat Face, Std Skirt	11	6×13	5×11	35°	2	1	2,6
76	3	40518076	Flat Face, Std Skirt	13	8×12	5×11	35°	1	2	2,4
76	3	40523076	Flat Face, Retracs	13	8×12	5×11	35°	1	2	2,7
76	3	40524076	Flat Face, Std Skirt	14	8×12	4×11, 2×11	35°	2	2	2,4
76	3	40510076	Drop Center, Std Skirt	10	6×13	3×11, 1×11	35°	1	3	2,6
76	3	40512076	Drop Center, Std Skirt	13	8×11	4×11, 1×11	35°	1	4	3,2
76	3	40525076	Drop Center, Retracs	13	8×12	4×11, 1×11	35°	-	4	3,0
89	3½	40508076	Flat Face, Std Skirt	12	8×13	4×12	40°	-	2	3,3
89	3½	40526089	Flat Face, Std Skirt	14	8×12	6×11	35°	1	1	3,8
89	3½	40509089	Flat Face, Retracs	12	8×13	4×12	40°	-	2	5,0
89	3½	40527089	Flat Face, Retracs	14	8×12	6×12	35°	1	2	4,7
89	3½	40521089	Drop Center, Std Skirt	11	6×13	3×11, 2×11	35°	1	3	3,5
89	3½	40528089	Drop Center, Retracs	14	8×11	4×11, 2×9	35°	1	4	4,7
89	3½	40520089	Drop Center, Std Skirt	13	8×12	4×11, 1×11	35°	-	4	3,0
89	3½	40525089	Drop Center, Retracs	13	8×12	4×11, 1×11	35°	-	4	4,2
95	3¼	40541095	Flat Face, Retracs	13	8×13	5×13	35°	1	2	4,4
95	3¼	40512095	Drop Center, Retracs	13	8×13	5×13	35°	1	4	4,3
102	4	40508102	Flat Face, Std Skirt	12	8×14,7	4×14,7	40°	-	2	4,4
102	4	40509102	Flat Face, Retracs	12	8×14,7	4×14,7	40°	-	2	6,7
102	4	40521102	Drop Center, Std Skirt	11	6×14,7	3×12, 2×12	35°	1	3	3,9
102	4	40528102	Drop Center, Retracs	14	8×13	4×12, 2×12	35°	1	4	7,0
102	4	40520102	Drop Center, Std Skirt	13	8×14,7	4×12, 1×12	35°	-	4	3,4
102	4	40525102	Drop Center, Retracs	13	8×14,7	4×12, 1×12	35°	-	4	6,4
115	4½	40529115	Drop Center, Std Skirt	14	8×14,7	4×12, 2×12	35°	1	4	5,0
115	4½	40528115	Drop Center, Retracs	14	8×14,7	4×12, 2×12	35°	1	4	9,0

# T45 (1<sup>3/4</sup>"

## Bench and production drilling

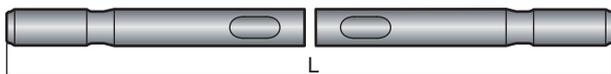
		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Ballistic buttons</b>										
76	3	40581076	Flat Face, Std Skirt	13	8×12	5×11	35°	1	2	2.3
76	3	40571076	Flat Face, Retrac	12	8×11	4×11	40°	-	2	2.8
76	3	40572076	Drop Center, Std Skirt	10	6×13	3×11, 1×11	35°	1	3	2.6
76	3	40576076	Drop Center, Retrac	13	8×11	4×11, 1×11	35°	1	4	3.1
76	3	40578076	Drop Center, Retrac	13	8×12	4×11, 1×11	35°	-	4	3
89	3½	40571089	Flat Face, Retrac	12	8×13	4×12,7	40°	-	2	5
89	3½	40579089	Flat Face, Std Skirt	14	8×12	6×12,7	35°	1	2	3.2
89	3½	40582089	Flat Face, Retrac	14	8×12	6×12,7	35°	1	2	4.7
89	3½	40583089	Drop Center, Std Skirt	11	6×13	3×11, 2×11	35°	1	3	3.4
89	3½	40580089	Drop Center, Retrac	14	8×11	4×11, 2×9	35°	1	4	4.8
89	3½	40578089	Drop Center, Retrac	13	8×12	4×11, 1×11	35°	-	4	4.2
95	3¾	40587095	Flat Face, Retrac	13	8×13	5×13	35°	1	2	4.2
95	3¾	40576095	Drop Center, Retrac	13	8×12	5×13	35°	1	4	4.2
102	4	404579102	Flat Face, Std Skirt	14	8×16	6×13	35°	1	2	3.7
102	4	40577102	Drop Center, Std Skirt	13	8×14,7	4×13, 1×13	35°	-	4	5
102	4	40580102	Drop Center, Retrac	14	8×13	4×13, 2×13	35°	1	4	7.8
115	4½	40584115	Drop Center, Std Skirt	14	8×14,7	4×13, 2×13	35°	1	4	4.7
115	4½	40580115	Drop Center, Retrac	14	8×14,7	6×13	35°	1	4	8.1

## Extension rods

T45 (1¾") - Hex. 38 mm (1½") - T45 (1¾")

Rod section 42.6 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
3050	10	60505731	25.6
3660	12	60505737	30.8



T45 (1¾") round rod

Surface hardened.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3050	10'	50505831	34,5
3660	12'	50505837	41,4
4270	14'	50505843	48,3
4800	15'9"	50505848	54,3
6095	20'	50505861	69,0

# T45 (1<sup>3/4</sup>"

## Bench and production drilling

### Speedrods

T45 (1<sup>3/4</sup>" round Speedrod

D = 65 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
1525	5	50505615	18.2
1830	6	50505618	21.5
3660	12	50505637	44.5
3050	10	50505631	37.6
3660	12	50505637	43.5
4270	14	50505643	51.5

### Couplings

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
T45	1 <sup>3/4</sup>	63	2 <sup>5/32</sup>	210	8 <sup>1/4</sup>	60505630	2.7
T45	1 <sup>3/4</sup>	66	2 <sup>5/8</sup>	210	8 <sup>1/4</sup>	60505632	3.3
T45	1 <sup>3/4</sup>	66	2 <sup>5/8</sup>	210	8 <sup>1/4</sup>	60505660	3.1
T45	1 <sup>3/4</sup>	66	2 <sup>5/8</sup>	210	8 <sup>1/4</sup>	60505662	3.5

# T51 (2")

## Bench and production drilling

### Drill bits

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
89	3½	40608089	Flat Face, Std Skirt	12	8×12	4×12	40°	-	2	3.5
89	3½	40609089	Flat Face, Retracs	12	8×12	4×12	40°	-	2	4.8
89	3½	40626089	Flat Face, Std Skirt	14	8×12	6×11	35°	1	1	4
89	3½	40630089	Flat Face, Std Skirt	14	8×12	6×12	35°	1	2	3.7
89	3½	40627089	Flat Face, Retracs	14	8×12	6×12	35°	1	2	5.3
89	3½	40631089	Flat Face, Std Skirt	11	6×12	3×11, 2×11	35°	1	3	3.6
89	3½	40628089	Drop Center, Retracs	14	8×11	4×11, 2×9	35°	1	4	4.7
89	3½	40620089	Drop Center, Std Skirt	13	8×12	4×11, 1×11	35°	-	4	3.5
89	3½	40625089	Drop Center, Retracs	13	8×12	4×11, 1×11	35°	-	4	4.9
95	33/4	40644095	Flat Face, Retracs	13	8×13	5×13	35°	1	2	4.9
95	33/4	40612095	Drop Center, Retracs	13	8×13	5×13	35°	1	4	4.9
102	4	40609102	Flat Face, Retracs	12	8×14,7	4×14,7	40°	-	2	4.8
102	4	4060902	Flat Face, Retracs	12	8×14,7	4×14,7	40°	-	2	7.1
102	4	40630102	Flat Face, Std Skirt	14	8×16	6×13	35°	1	2	5.1
102	4	40627102	Flat Face, Retracs	14	8×16	6×13	35°	1	2	6.9
102	4	40624102	Flat Face, Std Skirt	14	8×14	6×12	35°	1	2	6.9
102	4	40618102	Flat Face, Std Skirt	13	8×16	5×13	35°	-	2	7
102	4	40645102	Flat Face, Std Skirt	11	6×18	5×13	35°	-	2	7.1
102	4	40646102	Flat Face, Retracs	14	8×14	6×12	35°	-	2	5
102	4	40650102	Special Face, Retracs	13	8×16	5×13	35°	-	4	7.1
102	4	40621102	Drop Center, Std Skirt	11	6×14,7	3×13, 2×13	35°	1	3	5.1
102	4	40628102	Drop Center, Retracs	14	8×13	4×13, 2×13	35°	1	4	7.2
102	4	40620102	Drop Center, Std Skirt	13	8×14,7	4×13, 1×13	35°	-	4	5.3
102	4	40625102	Drop Center, Retracs	13	8×14,7	4×13, 1×13	35°	-	4	7.2
115	4½	40632115	Flat Face, Std Skirt	17	9×14,7	8×13	35°	2	1	6.7
115	4½	40633115	Flat Face, Retracs	17	9×14,7	8×13	35°	2	1	9.8
115	4½	40630115	Flat Face, Std Skirt	14	8×16	6×14,7	35°	1	2	6.1
115	4½	40626115	Flat Face, Std Skirt	14	8×14,7	4×13, 2×13	35°	1	4	5.8
115	4½	40628115	Drop Center, Retracs	14	8×14,7	4×13, 2×13	35°	1	4	9.5
115	4½	40634115	Drop Center, Std Skirt	14	8×16	4×14,7, 2×14,7	35°	-	4	6
115	4½	40635115	Drop Center, Retracs	16	9×14,7	6×14,7, 1×14,7	35°	-	3	9.7
127	5	40636127	Flat Face, Std Skirt	22	12×13	10×13	35°	-	2	6.8
127	5	40637127	Flat Face, Std Skirt	20	10×14,7	10×13	35°	-	2	6.8
127	5	40638127	Flat Face, Std Skirt	16	8×16	8×14,7	35°	1	2	6.8
127	5	40639127	Drop Center, Std Skirt	16	8×14,7	4×14,7, 4×11	35°	1	4	6.8
127	5	40640127	Drop Center, Retracs	16	8×14,7	4×14,7, 4×11	35°	1	4	11.2
127	5	40634127	Drop Center, Std Skirt	14	8×16	4×16, 2×13	35°	-	4	7.7
127	5	40641127	Drop Center, Retracs	14	8×16	4×16, 2×13	35°	-	4	11

# T51 (2")

## Bench and production drilling

Diameter		Product No.	Product Details	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Ballistic buttons</b>										
89	3½	40679089	Flat Face, Std Skirt	14	8×12	6×12	35°	1	2	3.7
89	3½	40682089	Flat Face, Retraco	14	8×12	6×12	35°	1	2	5.3
89	3½	40671089	Flat Face, Retraco	12	8×13	4×12	40°	–	2	5
89	3½	40677089	Drop Center, Std Skirt	13	8×13	4×11, 1×11	35°	–	4	3.6
89	3½	40678089	Drop Center, Retraco	13	8×13	4×11, 1×11	35°	–	4	4.9
89	3½	40680089	Drop Center, Retraco	14	8×11	4×11, 2×9	35°	1	4	4.7
95	3 3/4	40687095	Flat Face, Retraco	13	8×13	5×13	35°	1	2	5.3
95	3 3/4	40676095	Drop Center, Retraco	13	8×13	5×13	35°	1	4	5.3
102	4	40671102	Flat Face, Retraco	12	8×14,7	4×14,7	40°	–	2	7
102	4	40682102	Flat Face, Retraco	14	8×16	6×13	35°	1	2	7
102	4	40683102	Drop Center, Std Skirt	11	6×14,7	3×13, 2×13	35°	1	3	5.2
102	4	40680102	Drop Center, Retraco	14	8×13	4×13, 2×13	35°	1	4	7.2
102	4	40677102	Drop Center, Std Skirt	13	8×14,7	4×13, 1×13	35°	–	4	5.2
102	4	40678102	Drop Center, Retraco	13	8×14,7	4×13, 1×13	35°	–	4	7.2
115	4½	40679115	Flat Face, Std Skirt	14	8×16	6×13	35°	1	2	6.1
115	4½	40684115	Drop Center, Std Skirt	14	8×14,7	4×13, 2×13	35°	1	4	5.8

## Extension rods

T51 (2") round rod

Surface hardened.

Length (L)		Product No.	Weight approx. kg
mm	foot		
3660	12	50606837	51.1
4270	14	50606843	59.5

## Speedrods

T51 (2") round Speedrod

D = 72 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot		
3660	12	50606537	55.4
4270	14	50606543	64.0
6095	20	50606561	89.5

## Couplings

Thread diameter		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
T51	2	72	2 <sup>27</sup> / <sub>32</sub>	235	9¼	60505720	4.1
T51	2	72	2 <sup>27</sup> / <sub>32</sub>	255	10	60505722	4.7
T51	2	77	3 <sup>1</sup> / <sub>32</sub>	235	9¼	60505770	5.2

# GT60 (2<sup>3/8</sup> ")

# Bench and production drilling

## Drill bits



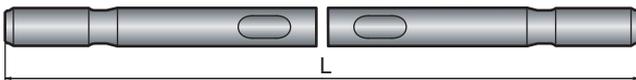
Diameter		Product No.	Product code	No. of buttons	Buttons × button		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
<b>BUTTON BIT - Spherical buttons</b>										
102	4	40739102	Drop Center, Std Skirt	16	8×13	4×14,7, 4×11	35°	-	2	8
102	4	40742102	Drop Center, Retrac (S)	13	8×14,7	4×13, 1×13	35°	-	4	7.4
115	4½	40739115	Drop Center, Std Skirt	16	8×14,7	4×14,7, 4×13	35°	-	2	9
115	4½	40743115	Drop Center, Retrac (S)	16	8×14,7	4×14,7, 4×11,0	35°	1	4	9.8
127	5	40739127	Drop Center, Std Skirt	16	8×16	4×16, 4×14,7	35°	-	2	8.6
127	5	40743127	Drop Center, Retrac (S)	16	8×14,7	4×14,7, 4×11,0	35°	1	4	11.9
140	5½	40739140	Drop Center, Std Skirt	16	8×16	5×16, 3×16	35°	-	2	10
140	5½	40743140	Drop Center, Retrac (S)	16	8×14,7	4×14,7, 4×13	35°	1	4	16
152	6	40739152	Drop Center, Std Skirt	16	8×18,0	7×16, 3×16	35°	-	2	13.5
152	6	40743152	Drop Center, Retrac (S)	16	8×16,0	4×16,0, 4×14,7	35°	-	4	17.5
<b>BUTTON BIT - Ballistic buttons</b>										
102	4	40785102	Drop Center, Retrac (S)	13	8×14,7	4×13, 1×13	35°	-	4	7.4
115	4½	40786115	Drop Center, Retrac (S)	16	8×14,7	4×13, 4×11	35°	1	4	10
127	5	40786127	Drop Center, Retrac (S)	16	8×14,7	4×14,7, 4×11	35°	1	4	11.7

## Extension rods

T60 (2<sup>3/8</sup>" ) round rod

Fully carburized.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3630	11'10 <sup>7/8</sup> "	50707537	67.7
4240	13'10 <sup>7/8</sup> "	50707543	79.2



## Speedrods

T60 (2<sup>3/8</sup>" ) round Speedrod

D = 85 mm.

Length (L)		Product No.	Weight approx. kg
mm	foot/inch		
3630	11'10 <sup>7/8</sup> "	50707637	73.4
4240	13'10 <sup>7/8</sup> "	50707643	85.0
5470	17'11 <sup>3/8</sup> "	50707655	108.5
6065	19'10 <sup>3/4</sup> "	50707661	120.0



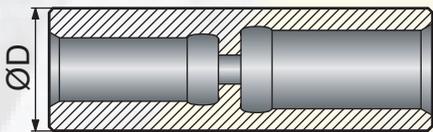
## Coupling

Thread		Diameter		Length		Product No.	Weight approx. kg
mm	inch	mm	inch	mm	inch		
T60	2 <sup>3/8</sup>	85	3 <sup>11/32</sup>	315	1 <sup>3/8</sup> "	60707850	7,5

# Cross Over Couplings & Cross Over Adapters

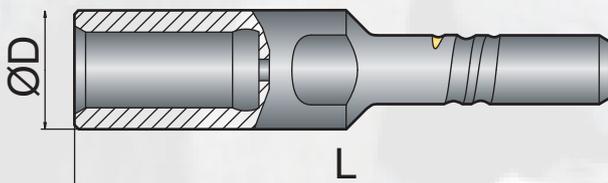
## Cross over couplings

Thread	Length		Diameter (D)		Product No.	Weight approx. kg
	mm	inch	mm	inch		
R25-R32	160	6 <sup>5</sup> / <sub>16</sub>	44	1 <sup>23</sup> / <sub>32</sub>	60002440	1.2
R28-R32	160	6 <sup>5</sup> / <sub>16</sub>	44	1 <sup>23</sup> / <sub>32</sub>	60102440	1.2
R32-R38	170	6 <sup>3</sup> / <sub>4</sub>	55	2 <sup>5</sup> / <sub>32</sub>	60203550	2
R32-T38	170	6 <sup>3</sup> / <sub>4</sub>	55	2 <sup>5</sup> / <sub>32</sub>	60204570	2
R38-T38	180	7 <sup>1</sup> / <sub>8</sub>	55	2 <sup>5</sup> / <sub>32</sub>	60304550	1.8
T38-T45	180	7 <sup>1</sup> / <sub>8</sub>	60	2 <sup>3</sup> / <sub>8</sub>	60405600	2.4
T45-T51	225	8 <sup>7</sup> / <sub>8</sub>	72	2 <sup>27</sup> / <sub>32</sub>	60506720	4.5



## Cross over adapters

Thread		Length (L)		Diameter (D)		Product No.	Weight approx. kg
Female	Male	mm	inch	mm	inch		
R25	R32	185	7 <sup>1</sup> / <sub>4</sub>	45	1 <sup>1</sup> / <sub>4</sub>	60002451	1.2
R32	R38	210	8 <sup>1</sup> / <sub>4</sub>	45	1 <sup>1</sup> / <sub>4</sub>	60203451	1.5
R32	T38	220	8 <sup>5</sup> / <sub>8</sub>	45	1 <sup>1</sup> / <sub>4</sub>	60204451	1.5
R38	R32	245	9 <sup>5</sup> / <sub>8</sub>	55	2 <sup>5</sup> / <sub>32</sub>	60302551	2.2
R38	T38	245	9 <sup>5</sup> / <sub>8</sub>	55	2 <sup>5</sup> / <sub>32</sub>	60304551	2.4
T38	R32	247	9 <sup>3</sup> / <sub>4</sub>	57	2 <sup>1</sup> / <sub>4</sub>	60402571	2.4
T38	R38	280	11	57	2 <sup>1</sup> / <sub>4</sub>	60403571	3.4
T38	T45	285	11 <sup>1</sup> / <sub>4</sub>	57	2 <sup>1</sup> / <sub>4</sub>	60405571	2.9
T45	T38	260	10 <sup>1</sup> / <sub>4</sub>	63	2 <sup>15</sup> / <sub>32</sub>	60504631	2.9
T45	T51	285	11 <sup>1</sup> / <sub>4</sub>	63	2 <sup>15</sup> / <sub>32</sub>	60506631	3.6
T51	T45	285	11 <sup>1</sup> / <sub>4</sub>	71	2 <sup>25</sup> / <sub>32</sub>	60605711	4

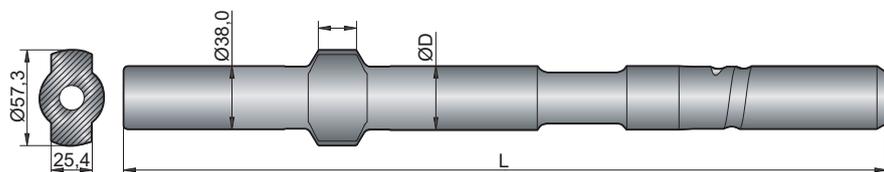


# Shank Adapters

- Epiroc
- Furukawa
- Sandvik/Tamrock



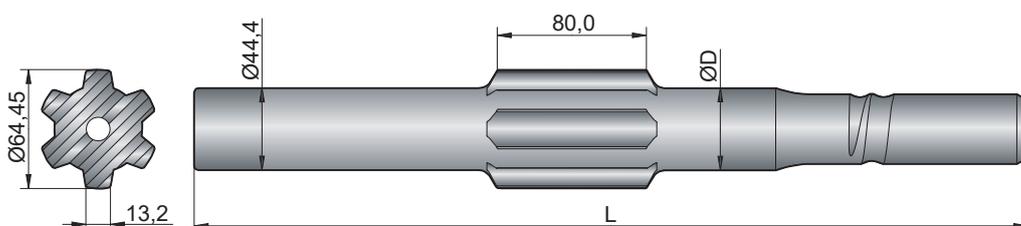
## Epiroc BBC 54, BBC 120



## Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	72038002	380	38	2,6	09-Nov
R38 (1½")	72039003	390	38	3,1	09-Nov
T38 (1½")	72039004	390	38	3,1	09-Nov

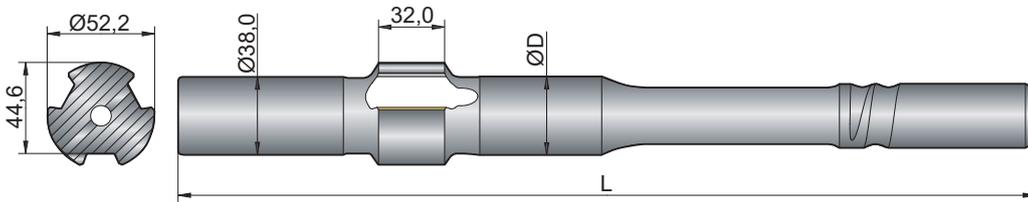
## Epiroc BBE 57



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	72144703	447	45	5	14.3
T38 (1½")	72154004	540	45	5.3	14.3
T45 (1¾")	72155005	550	45	5.9	14.3

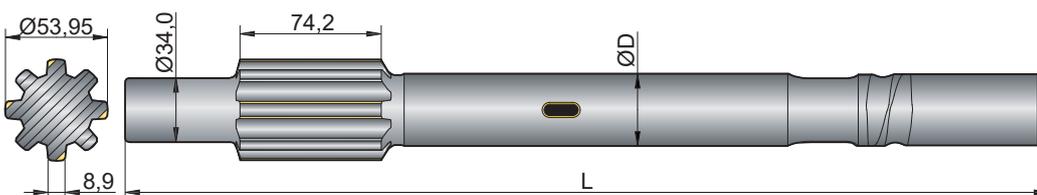
## Epiroc COP 125, COP 130, COP 131



## Drifting, bench drilling , production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	72338004	380	38	3,0	14,3
T45 (1¾")	72338005	380	38	3,0	14,3

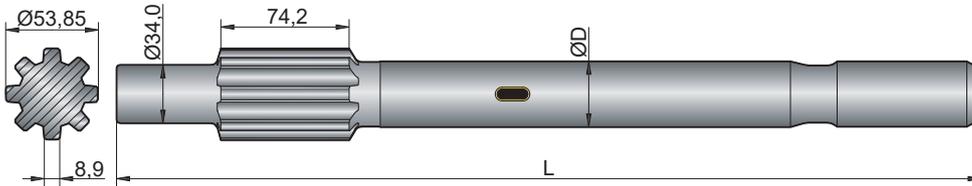
## Epiroc COP 1036, COP 1038, COP 1238



## Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	72448502	485	38	4	-
R38 (1½")	72448503	485	38	4.2	-
T38 (1½")	72448504	485	38	4.2	-

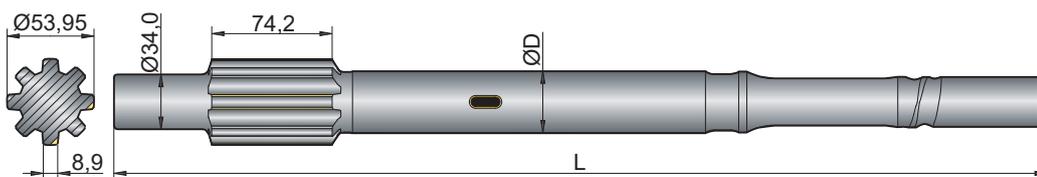
## Epiroc COP 1036, COP 1038, COP 1238



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1/4")	72450002	500	38	4	-
T38 (1/2")	72450004	500	38	4.4	-
T45 (3/4")	72450005	500	45	5	-

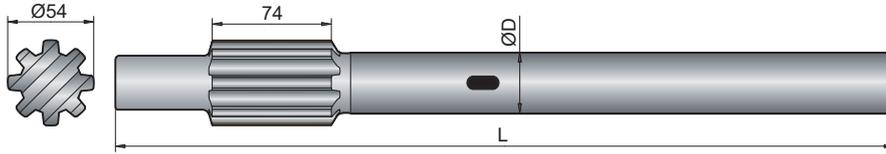
## Epiroc COP 1036, COP 1038, COP 1238



## Bench drilling, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1/4")	72457502	575	38	4.6	-
R38 (1/2")	72457503	575	38	4.7	-
T38 (1/2")	72457504	575	38	4.9	-
T45 (3/4")	72457505	575	45	5.8	-

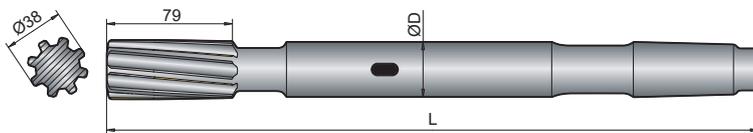
## Epiroc COP 1238



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R25 (1")	72548500	485	38	4.2	-

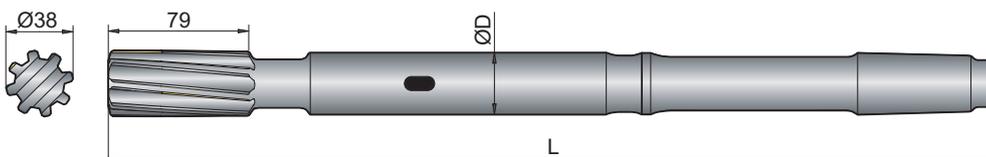
## Epiroc COP 1435



## Bolting, drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	72641002	410	35	2.6	-

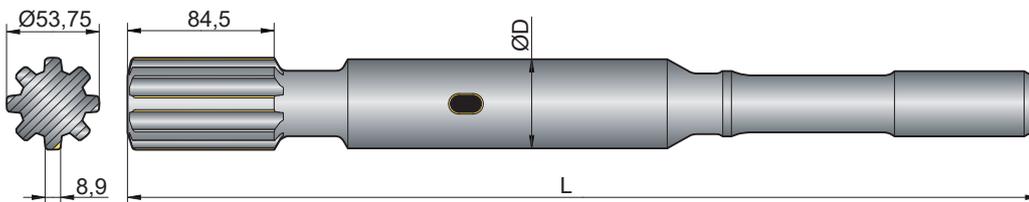
## Epiroc COP 1435



## Bolting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	72650002	500	35	3	-

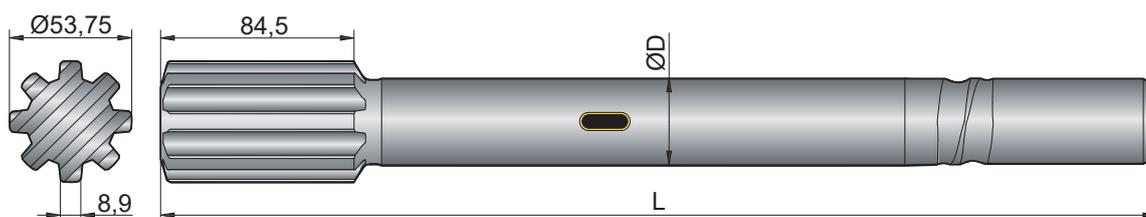
## Epiroc COP 1440, COP 1550, COP 1838



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1/4")	72752502	525	52	5.7	-
T38 (1/2")	72752504	525	52	5.9	-
T45 (1/4")	72752505	525	52	6.1	-
T51 (2")	72752506	525	52	6.5	-

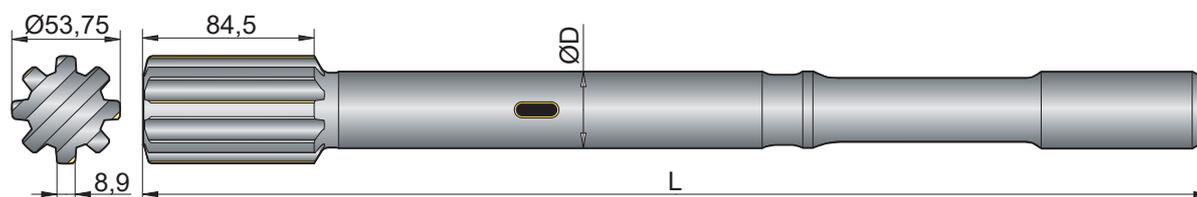
## Epiroc COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



## Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1/4")	72843502	435	38	3.6	-
R38 (1/2")	72843503	435	38	3.9	-
T38 (1/2")	72843504	435	38	3.8	-

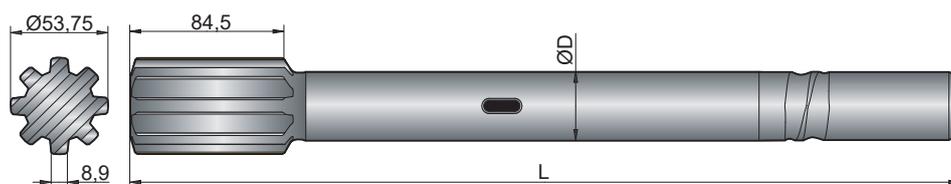
Epiroc COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1/4")	72852502	525	38	4,2	-
R38 (1/2")	72852503	525	38	4,3	-
T38 (1/2")	72852504	525	38	4,3	-

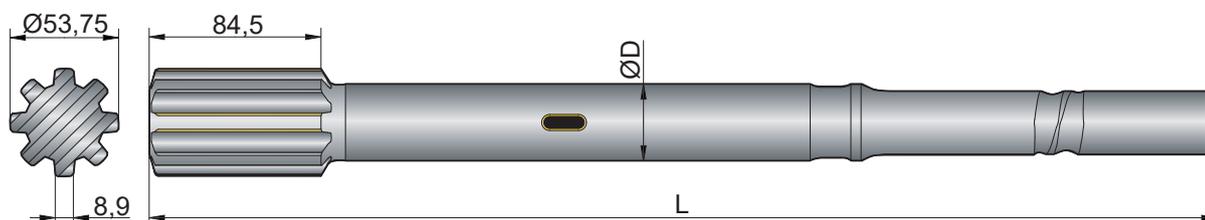
Epiroc COP 1638, COP 1838AW



## Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1/2")	72845503	455	38	4,1	-
T38 (1/2")	72845504	455	38	4,1	-

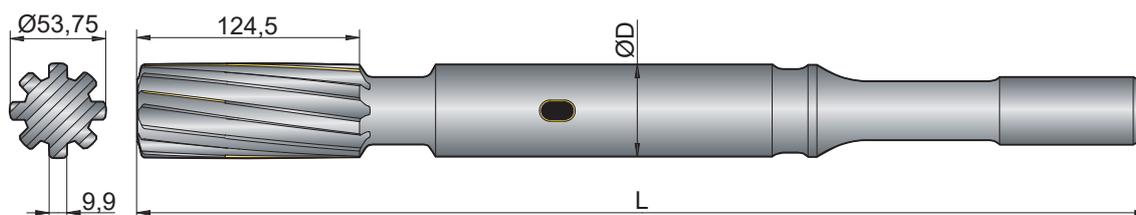
## Epiroc COP 1638, COP 1838AW



## Longhole drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	72852502	525	38	4.3	-
T38 (1½")	72852504	525	38	4.5	-

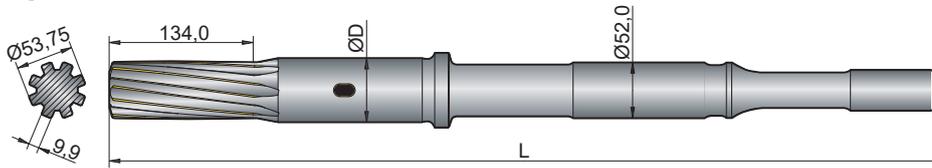
## Epiroc COP 1640



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	72956504	565	52	6.6	-

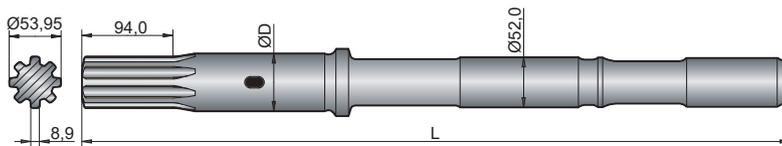
## Epiroc GOP 1640EX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	73077004	770	60	10.7	–

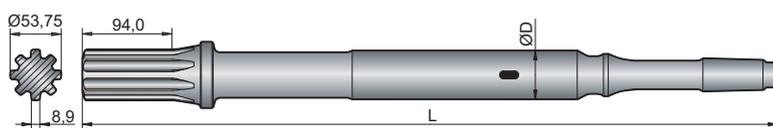
## Epiroc GOP 1838EX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	73173004	730	60	9.8	–
T45 (1¾")	73173005	730	60	10.2	–
T51 (2")	73173006	730	60	10.4	–

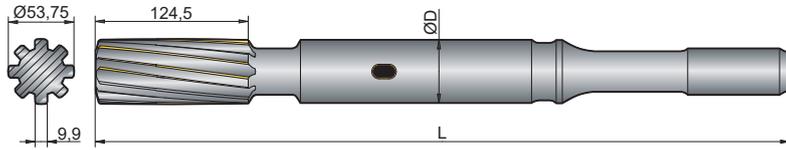
## Epiroc GOP 1838MUX/HUX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	73273004	730	52	9,9	–
T45 (1¾")	73273005	730	52	9,9	–

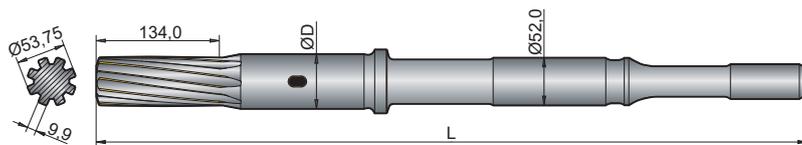
## Epiroc COP 1840



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1½")	73356505	565	52	6.8	-
T51 (2")	73356506	565	52	7.2	-

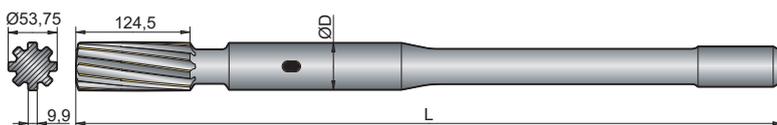
## Epiroc COP 1840EX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1½")	73477005	770	60	10,8	-
T51 (2")	73477006	770	60	10,9	-

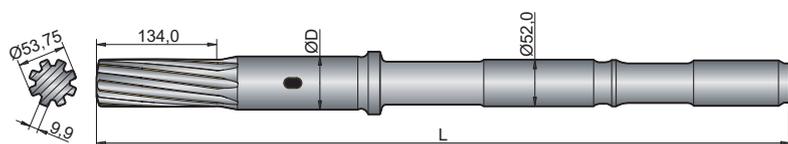
## Epiroc COP 2150



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1½")	73577005	770	52	8,5	-
T51 (2")	73577006	770	52	9,2	-

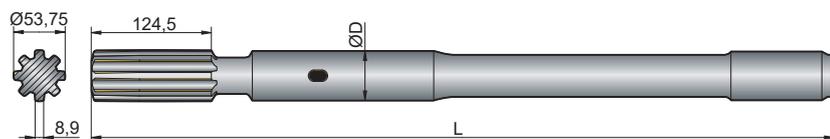
## Epiroc COP 2150EX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¼")	73677005	770	60	10,8	-
T51 (2")	73677006	770	60	10,9	-

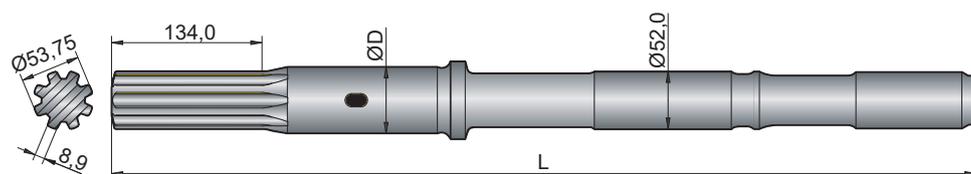
## Epiroc COP 2150, COP 2550



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	73777006	770	52	9,9	-

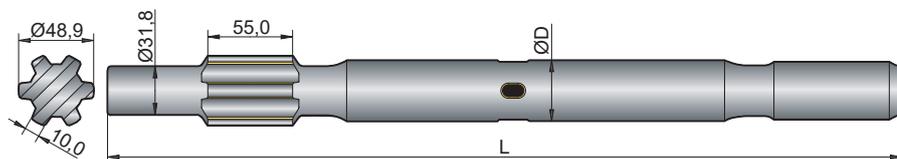
## Epiroc COP 2150EX, COP 2550EX



## Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	73877006	770	60	11,0	-

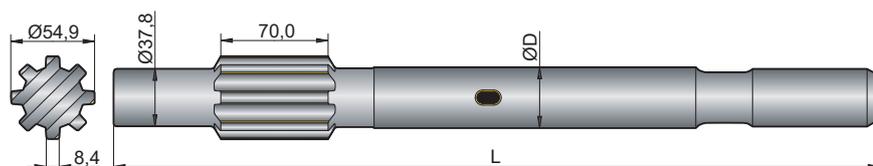
## Furukawa HD 90



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	75051503	515	40	4,3	–

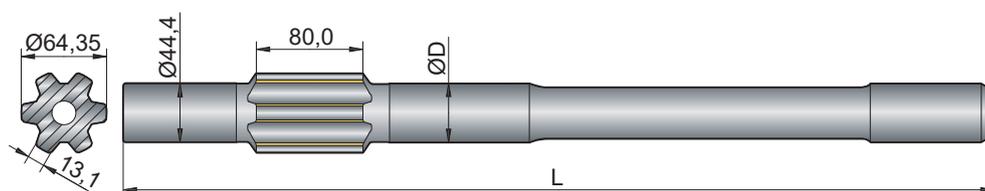
## Furukawa HD 190



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	75150003	500	40	4.5	–
T38 (1½")	75150004	500	40	4.5	–

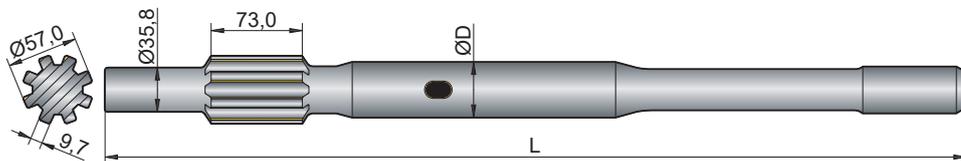
## Furukawa HD 300



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	75265404	654	45	6,0	16,0
T45 (1¾")	75265405	654	45	6,7	16,0

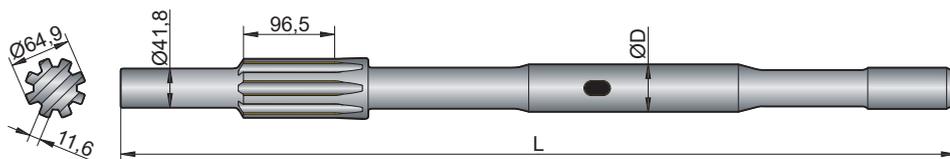
## Furukawa HD 609



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	75369004	690	45	6.3	–
T45 (1¾")	75369005	620	45	6.4	–

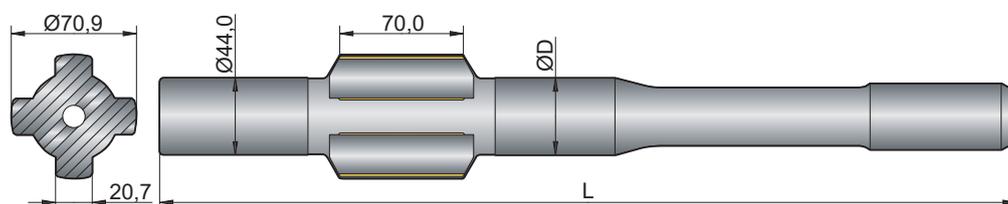
## Furukawa HD 612 RP



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	75488405	884	51	11.2	–

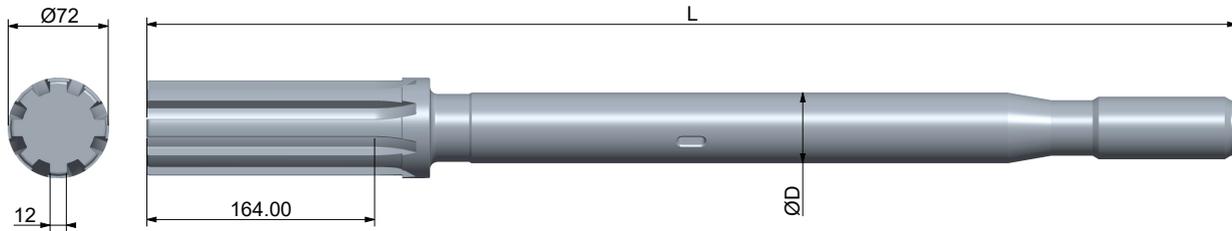
## Furukawa PD 200



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	75548504	485	44	5.0	14.3
T45 (1¾")	75548505	485	44	5.4	14.3

## Furukawa HD 712 RP

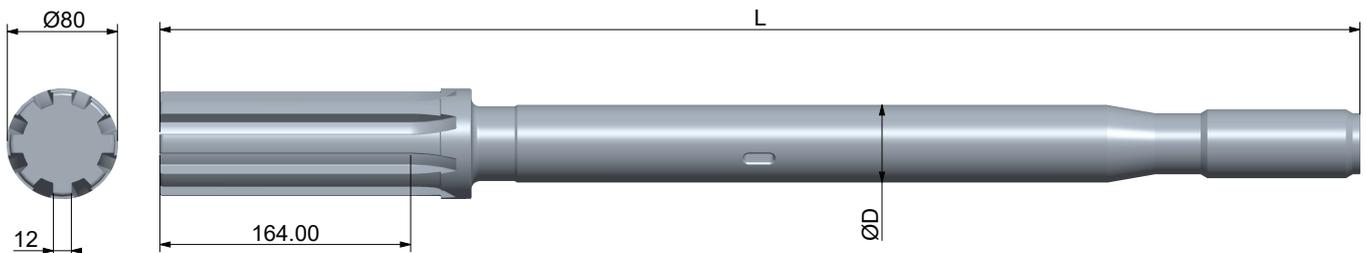


SCALE 0.300

## Bench

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1½")	75678505	785	51		
T51 (2")	75678506	785	51		

## Furukawa HD 712 RP

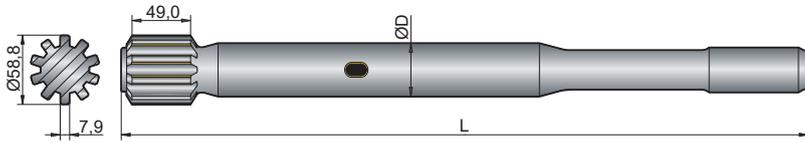


SCALE 0.300

## Bench

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1½")	75678505	785	51		
T51 (2")	75678506	785	51		

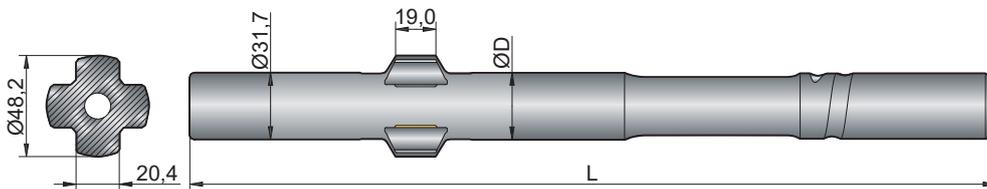
## Sandvik/Tamrock HLX 5, HFX 5



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	70350003	500	45	5.2	–
T38 (1½")	70350004	500	45	5.1	–
T45 (1¾")	70350005	500	45	5.5	–
T38 (1½")	70357504	575	45	5.7	–
T45 (1¾")	70357505	575	45	5.9	–

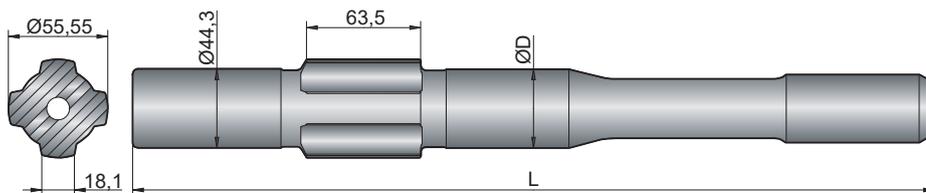
## Sandvik/Tamrock L 400, L 500



### Bolting, drifting, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	70438002	380	32	2,0	09-Nov

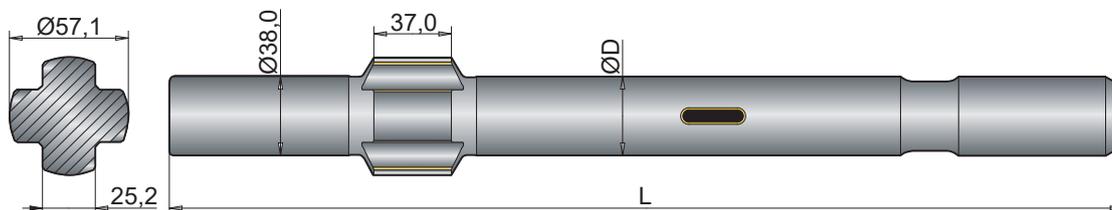
## Sandvik/Tamrock L 600, L 750



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	70544604	446	44	4,0	14.3

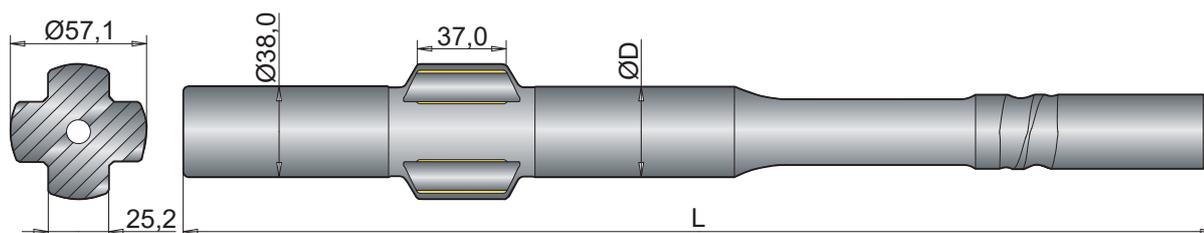
## Sandvik/Tamrock 438 LS, 438 TS, HL 538, HL 538 L, L 550 S



### Bench drilling, drifting, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	70645002	450	38	3,8	-
R38 (1½")	70645003	450	38	4,4	-
T38 (1½")	70645504	455	38	4,0	-

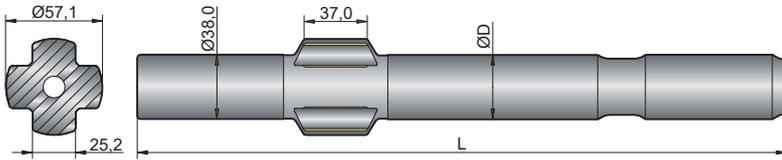
## Sandvik/Tamrock 438, 538



### Bench drilling, drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	70743002	430	38	3,0	12,7

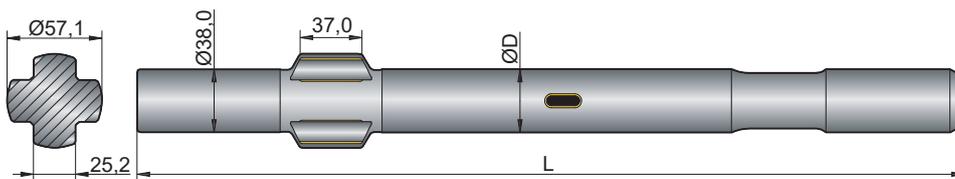
## Sandvik/Tamrock 438, 538



### Bolting, drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	70738004	380	38	3,0	12,7

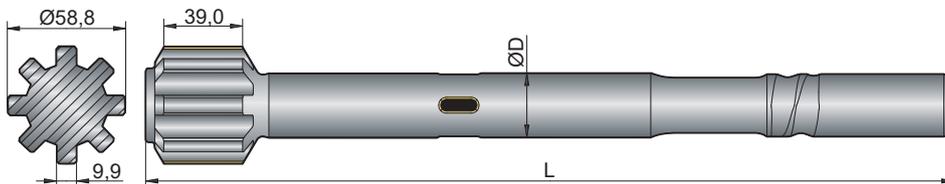
## Sandvik/Tamrock 438, 538



### Bench drilling, drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	70749504	495	38	4,2	-

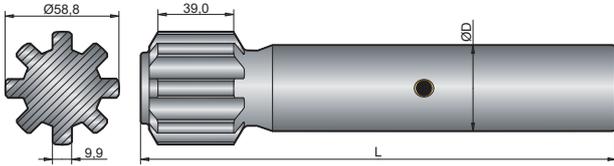
## Sandvik/Tamrock HL 300



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	70840002	400	32	2.6	-

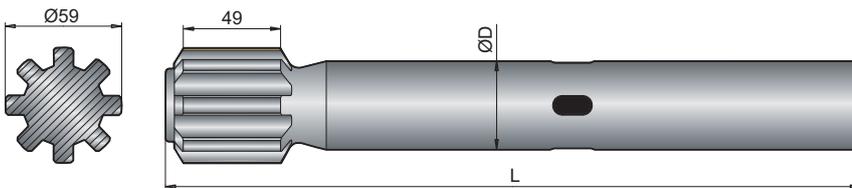
## Sandvik/Tamrock HL 300 S



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	70924502	245	45	2,6	-

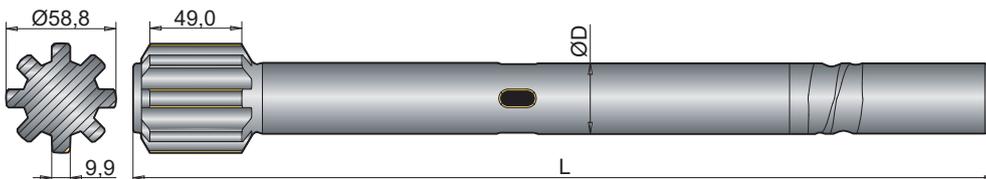
## Sandvik/Tamrock HL 500 F



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	71035002	350	45	3,9	-

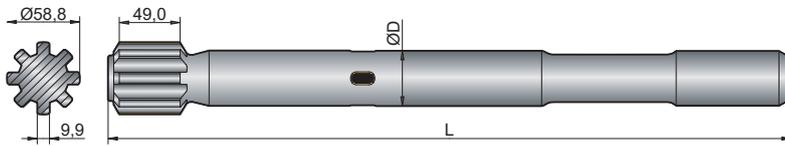
## Sandvik/Tamrock HL 500



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	71150003	500	38	3,7	-

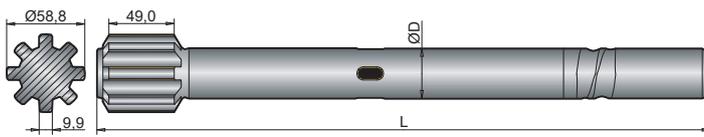
## Sandvik/Tamrock HL 500



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	71155004	550	45	5,3	–
T45 (1¾")	71555005	550	45	6,0	–

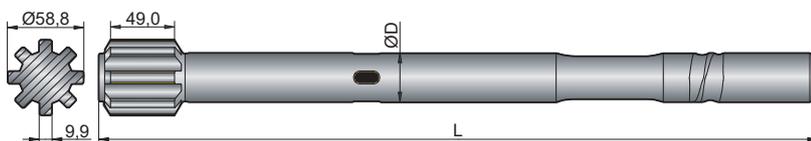
## Sandvik/Tamrock HL 500S



### Drifting, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	71246002	460	38	3,9	–
R38 (1½")	71246003	460	38	4,2	–
T38 (1½")	71246004	460	38	4,2	–

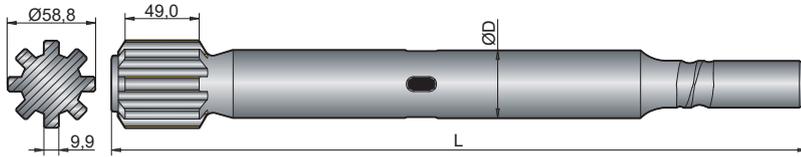
## Sandvik/Tamrock HL 500S



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	71255002	550	38	4,3	–
T38 (1½")	71255004	550	38	4,6	–

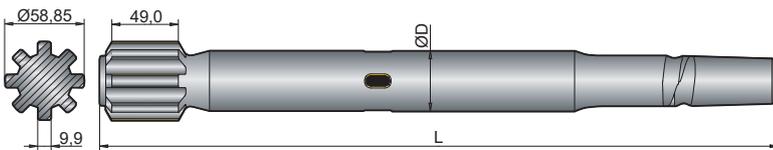
## Sandvik/Tamrock HL 500 S



### Drifting, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	71246002	460	45	4,9	–

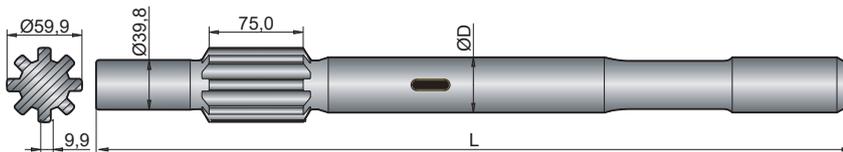
## Sandvik/Tamrock HL 500, HL 500 S, HL 550 S, HL 560 S



### Drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	71250003	500	45	5,3	–
T38 (1½")	71250004	500	45	5,3	–

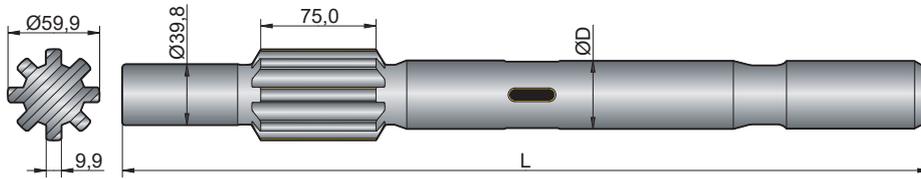
## Sandvik/Tamrock HL 600, HL 600 S



### Bench drilling, drifting

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	71360004	600	45	6,0	–
T45 (1¾")	71360005	600	45	6,4	–

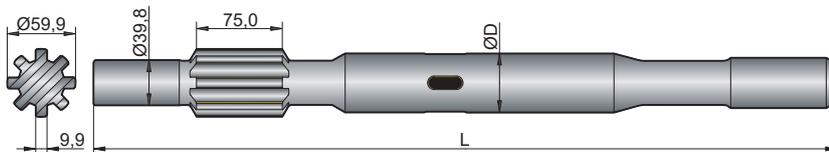
## Sandvik/Tamrock HL 600, HL 600 S



### Drifting, production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1/2")	71352504	525	45	5,6	-
T45 (1 3/4")	71352505	525	45	5,8	-

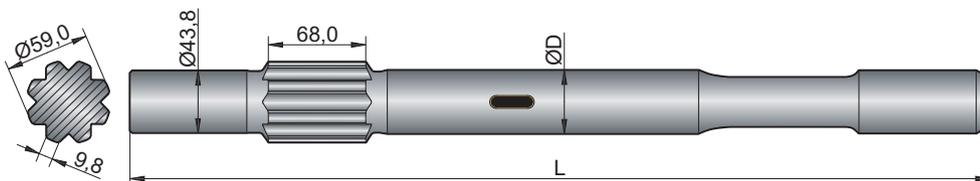
## Sandvik/Tamrock HL 600, HL 600 S



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	71365005	650	52	8,3	-

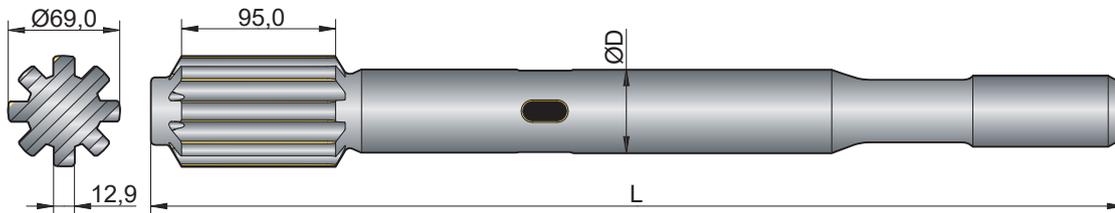
## Sandvik/Tamrock HL 645, HL 645 S



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	71460005	600	45	6,5	-

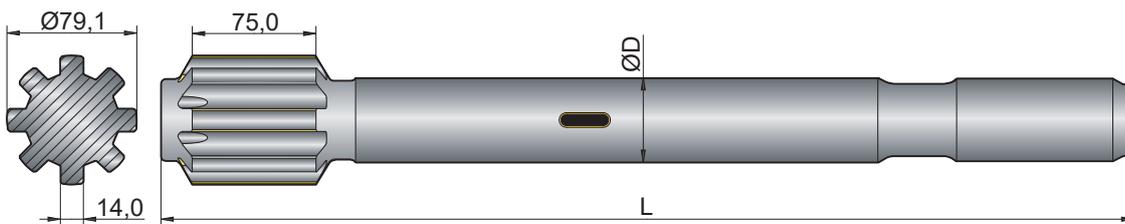
## Sandvik/Tamrock HL 700, HL 800



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	71560005	600	45	7,2	-
T38 (1½")	71560004	600	52	8,0	-
T45 (1¾")	71560005	600	52	8,5	-
T51 (2")	71560006	600	52	8,5	-

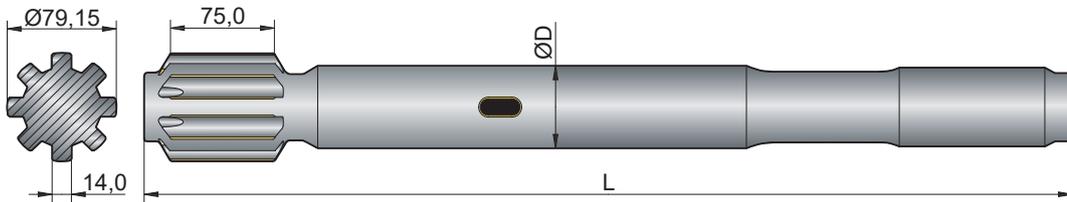
## Sandvik/Tamrock HL 1000



### Production drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	71659006	590	52	9,3	-

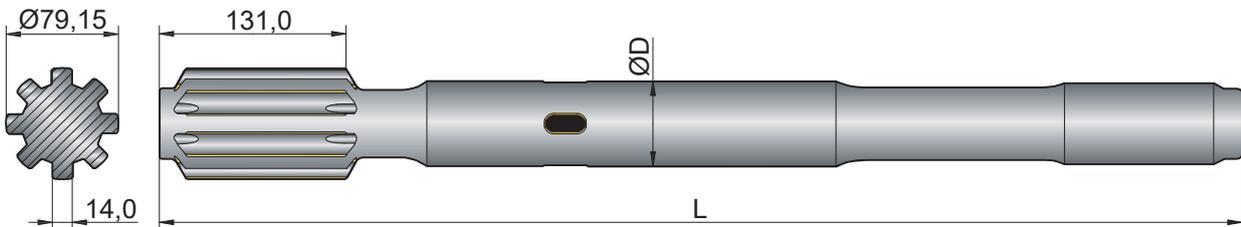
## Sandvik/Tamrock HL 1000



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	71667005	670	52	10,0	-
T51 (2")	71667006	670	52	10,0	-
T60 (2 3/8")	71667007	670	60	12,7	-

## Sandvik/Tamrock HL 1500



### Bench drilling

Thread	Product No.	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T60 (2 3/8")	71776007	760	60	14,3	-

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