

Secoroc Rock Drilling Tools

Product catalogue – Tophammer equipment

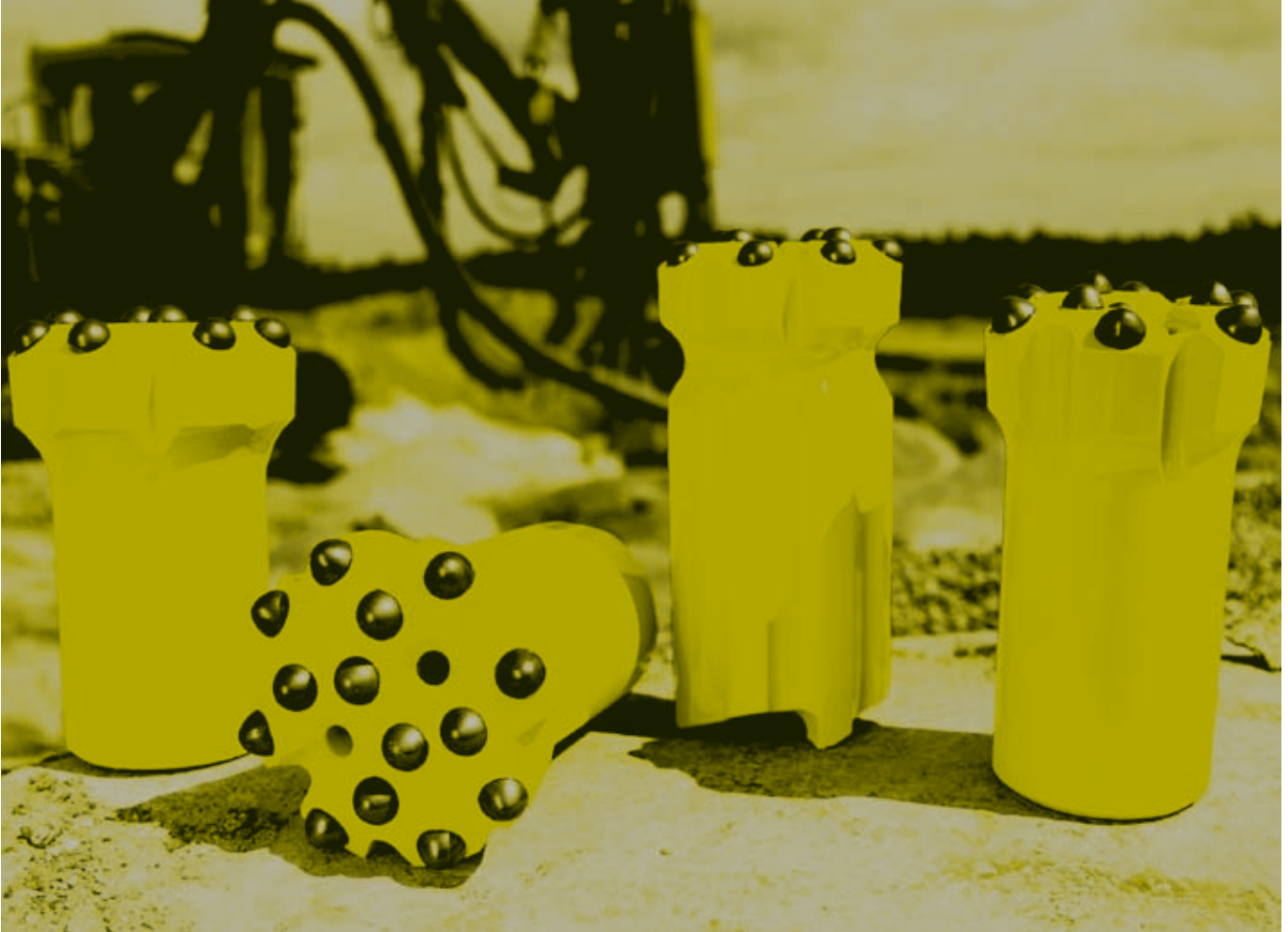


Atlas Copco



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Atlas Copco Secoroc

has the broadest range of Tophammer drillstrings, and related equipment of any supplier in the world. This means more choices for you. It means you can work with the strongest support network in the industry, regardless of your equipment needs. It means that you can look to one reliable and time-tested source for all your equipment needs.

Of course, you'd expect Atlas Copco Secoroc to have the most productive Tophammer consumables in the world. And we do. But maybe your situation calls for the utmost in reliability. Or perhaps your application requires technology that has been tested and proven through years of field use. Whatever your needs, check out our many choices before settling for less. Each of our Tophammer products is designed for optimum performance in Tophammer drilling applications on a price vs. performance basis. We offer high quality productive tools and services for all Tophammer drilling applications.

It's all right here. At Atlas Copco Secoroc.

Guide to product codes

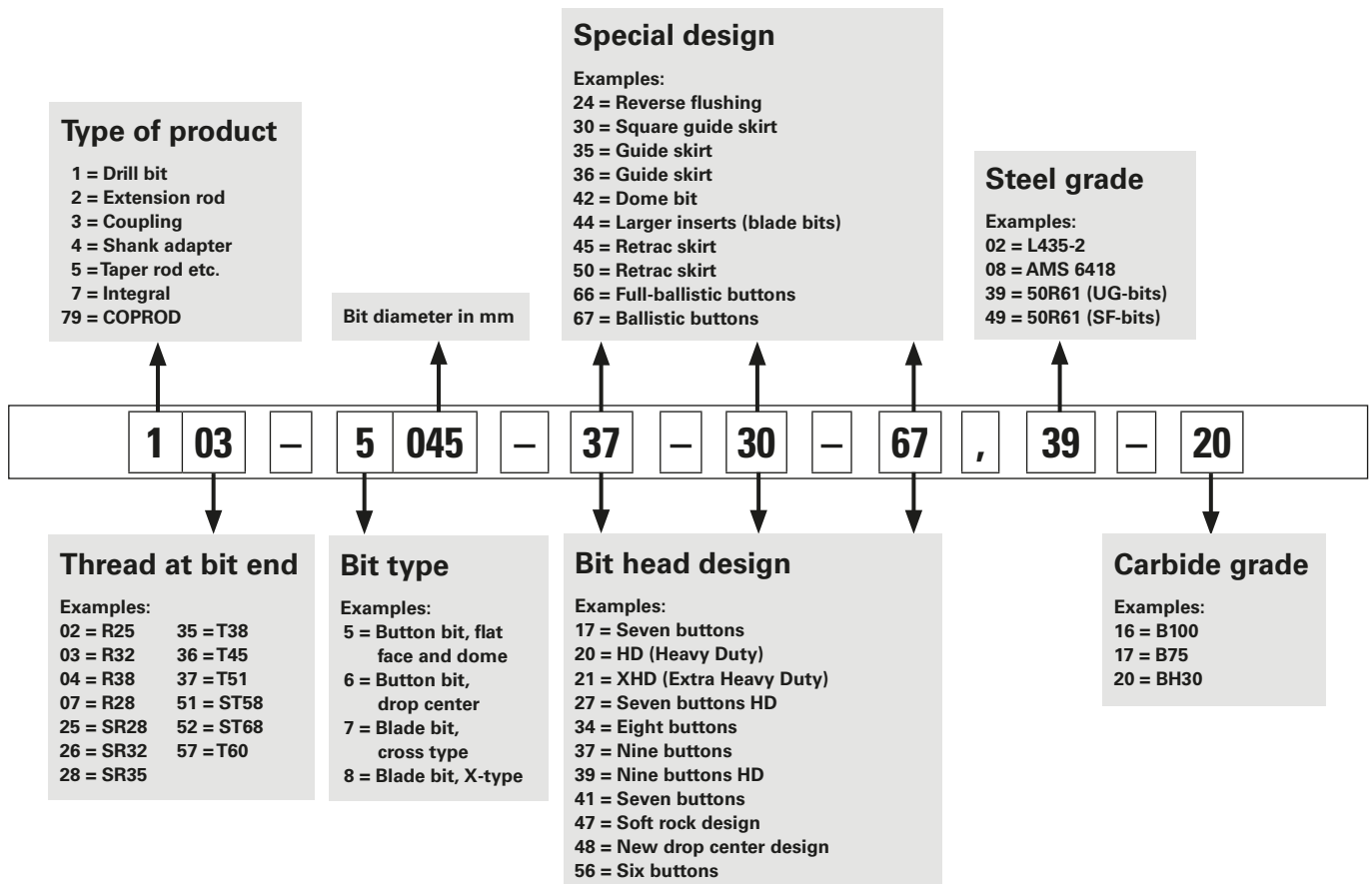
Product codes

Product codes are a valuable tool to describe and identify the product. In the code structure we have tried to describe the product features with a

numerical system which not always is 100% logical. With the attached key you will be able to find the product you are looking for or an alternative product.

Threaded bits

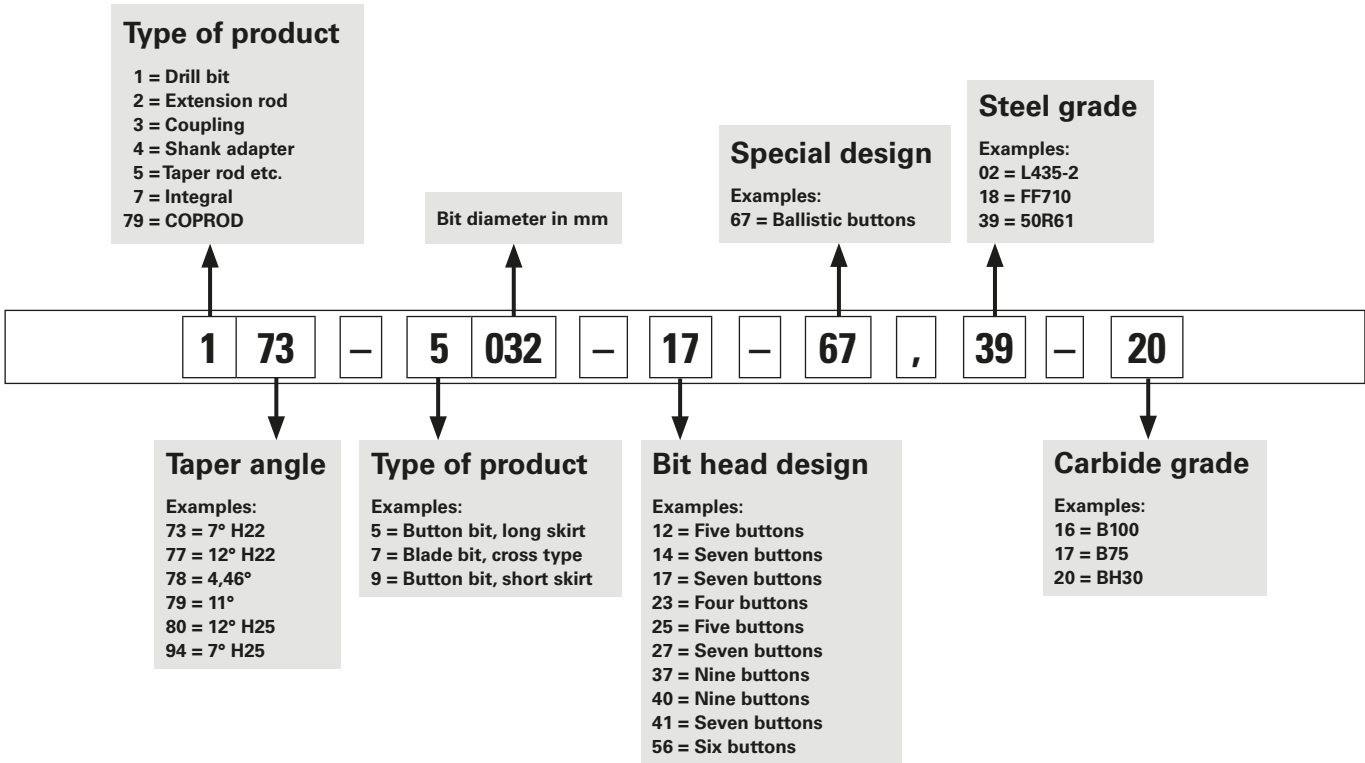
Example: 103-5045-37-30-67,39-20



Guide to product codes

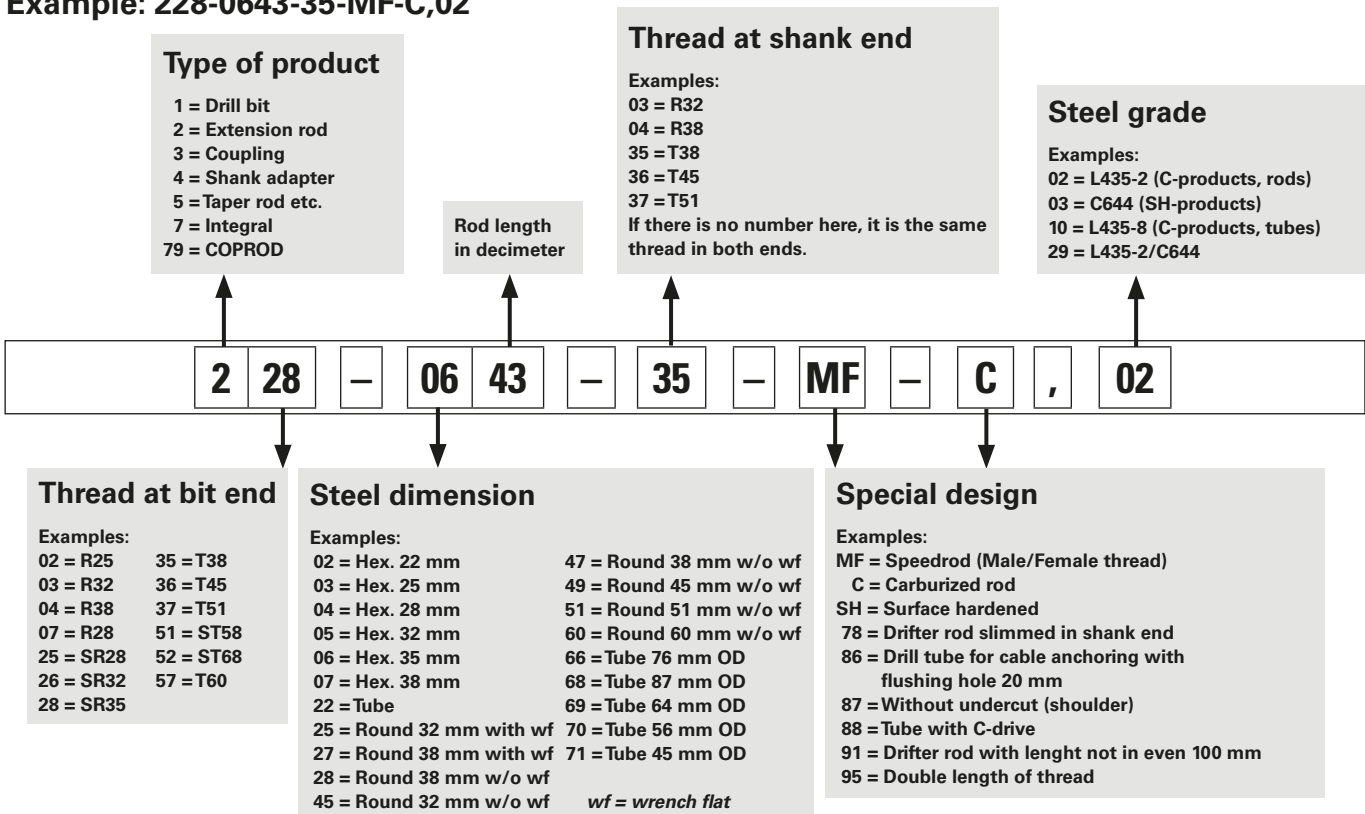
Tapered bits

Example: 173-5032-17-67,39-20



Rods and Tubes

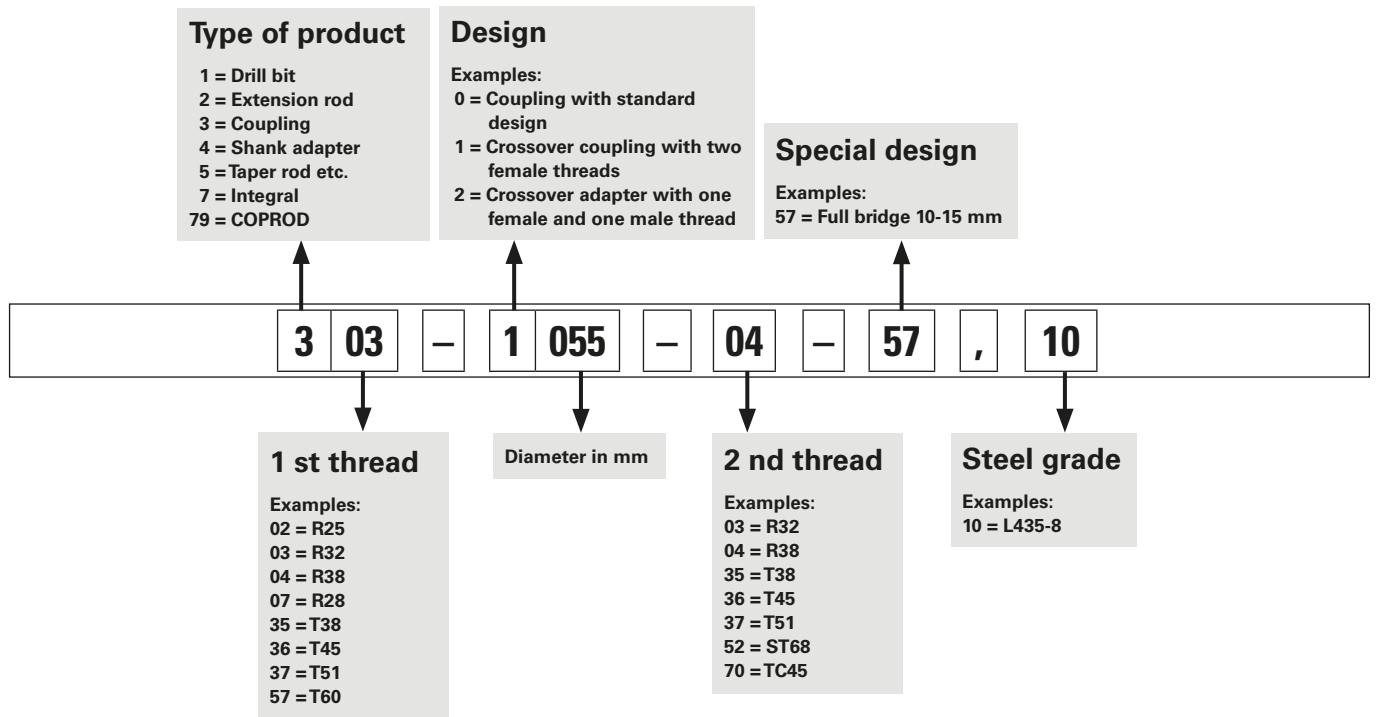
Example: 228-0643-35-MF-C,02



Guide to product codes

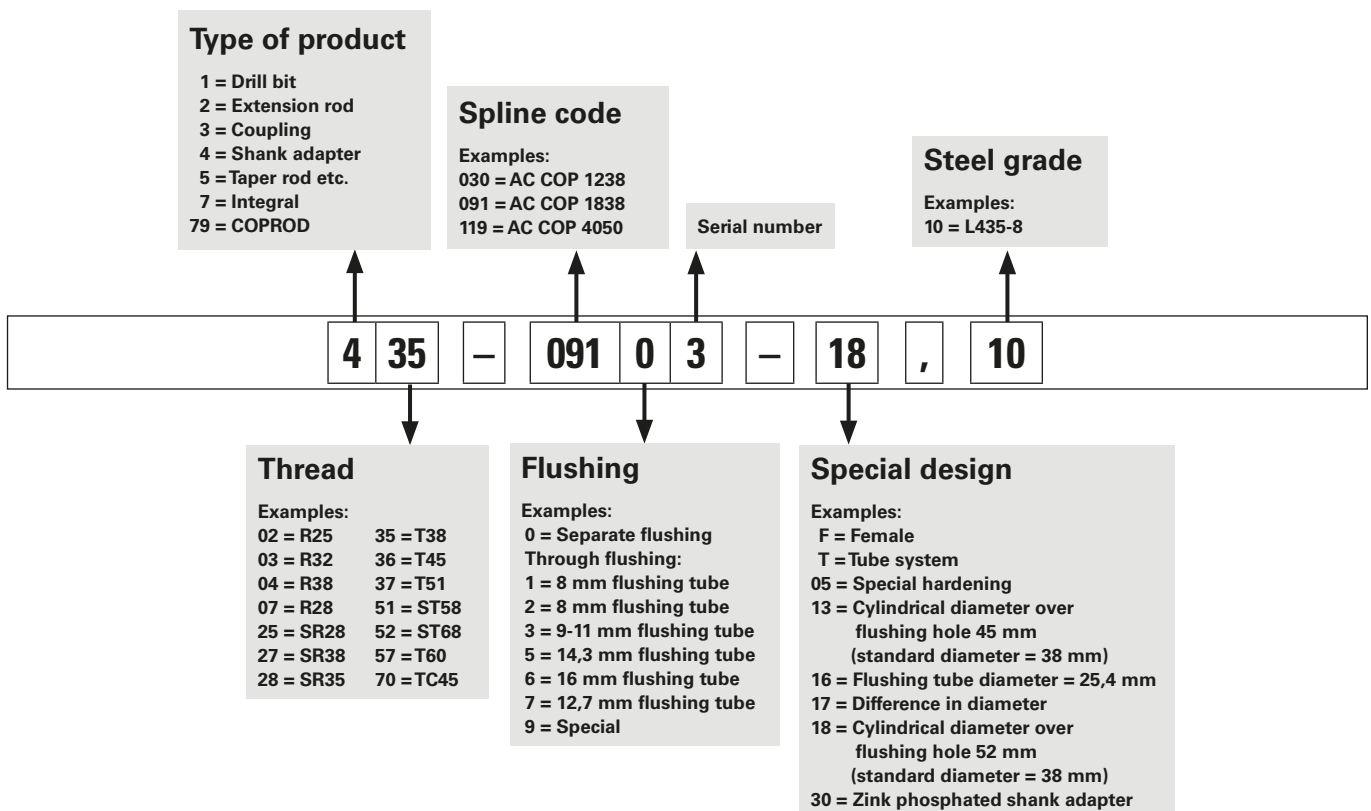
Couplings, Crossover- & Bit adapters

Example: 303-1055-04-57,10



Shank adapters

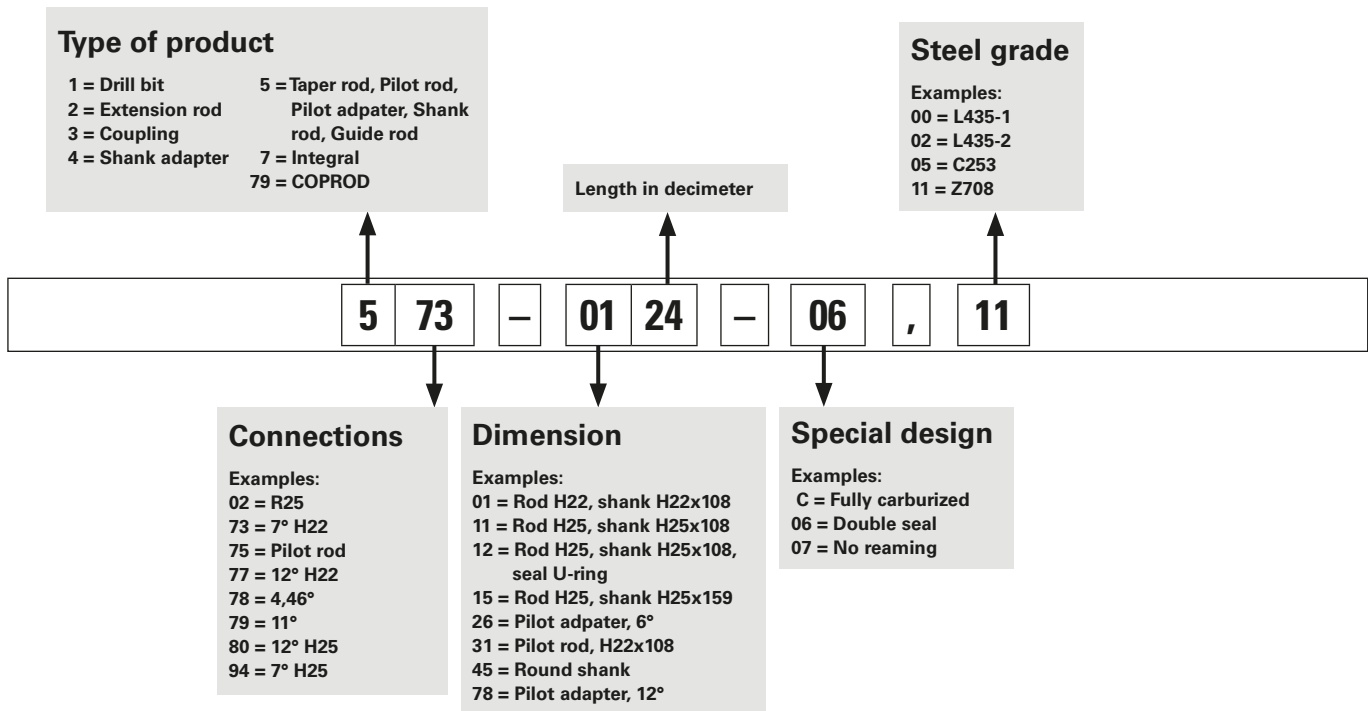
Example: 435-09103-18,10



Guide to product codes

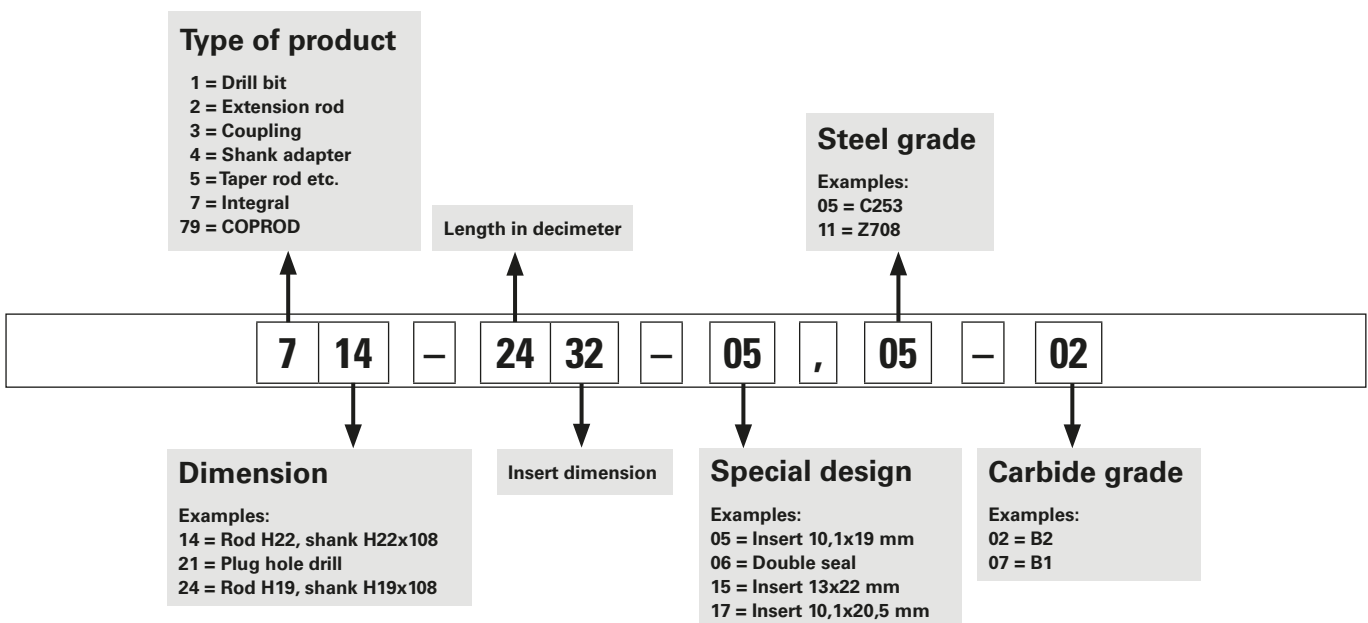
Tapered rods etc.

Example: 573-0124-06,11



Integrals

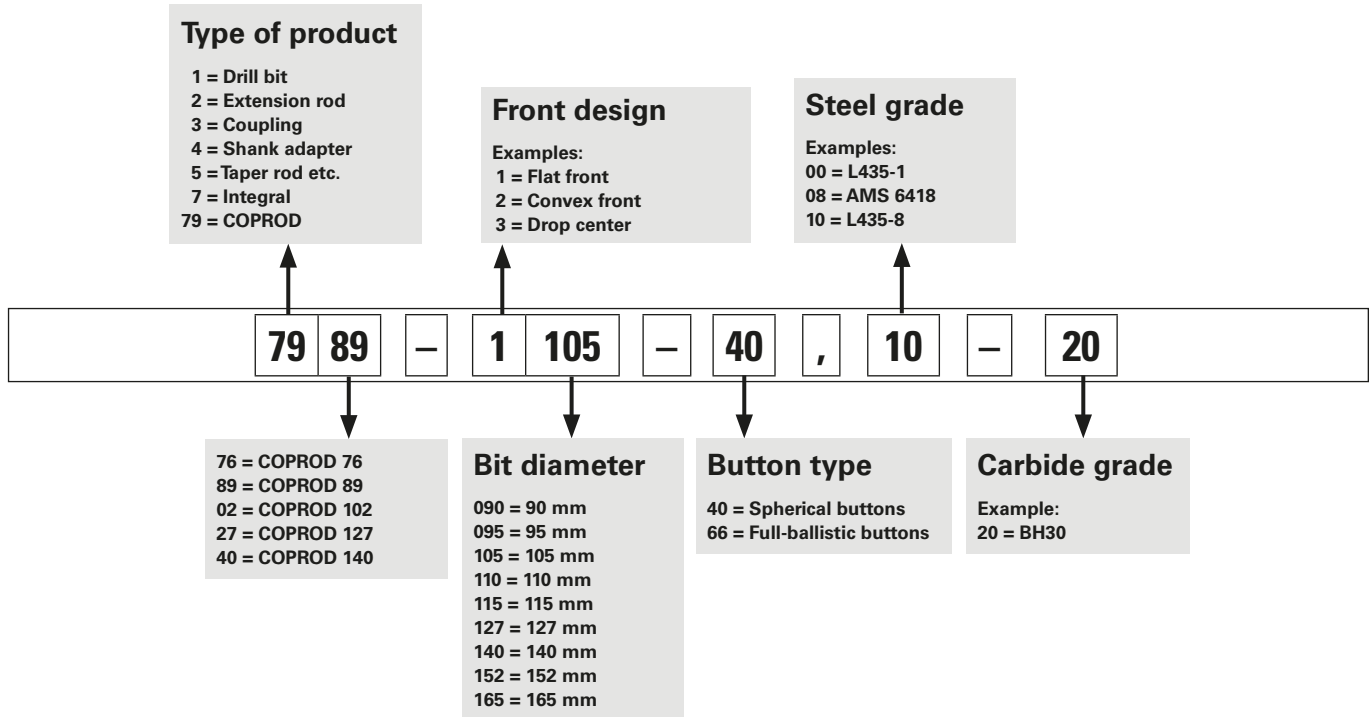
Example: 714-2432-05,05-02



Guide to product codes

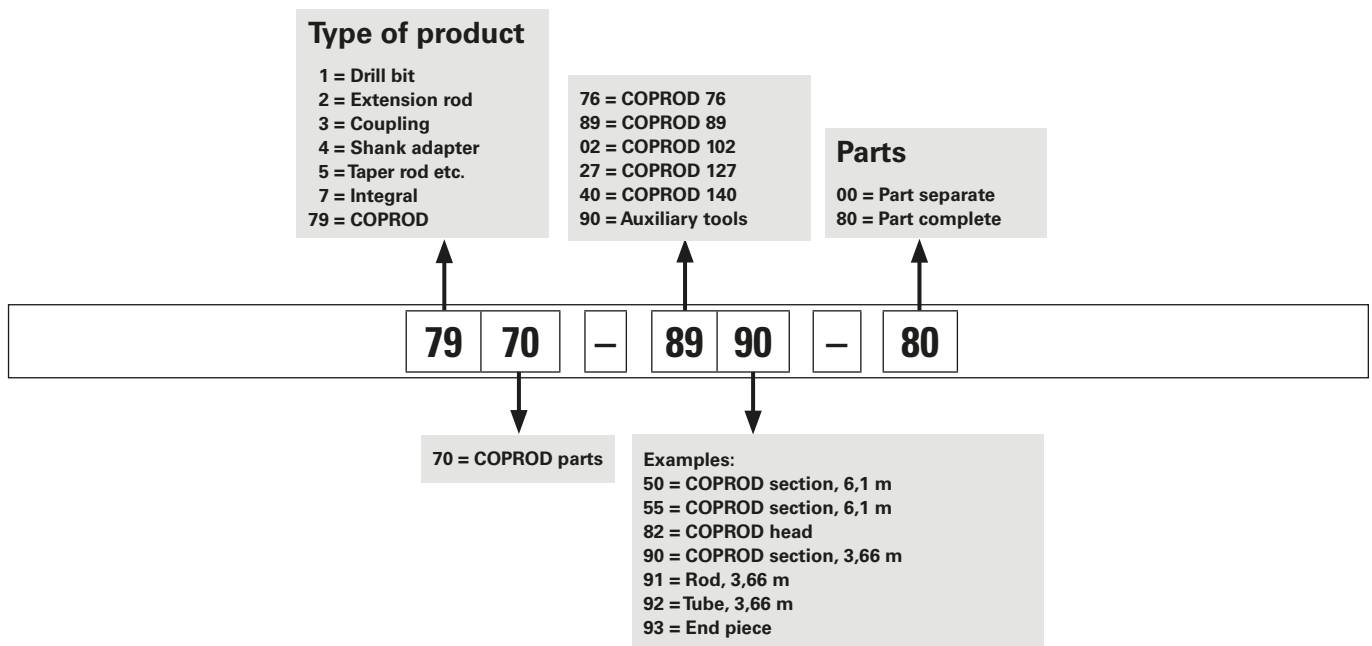
COPROD bits

Example: 7989-1105-40,10-20

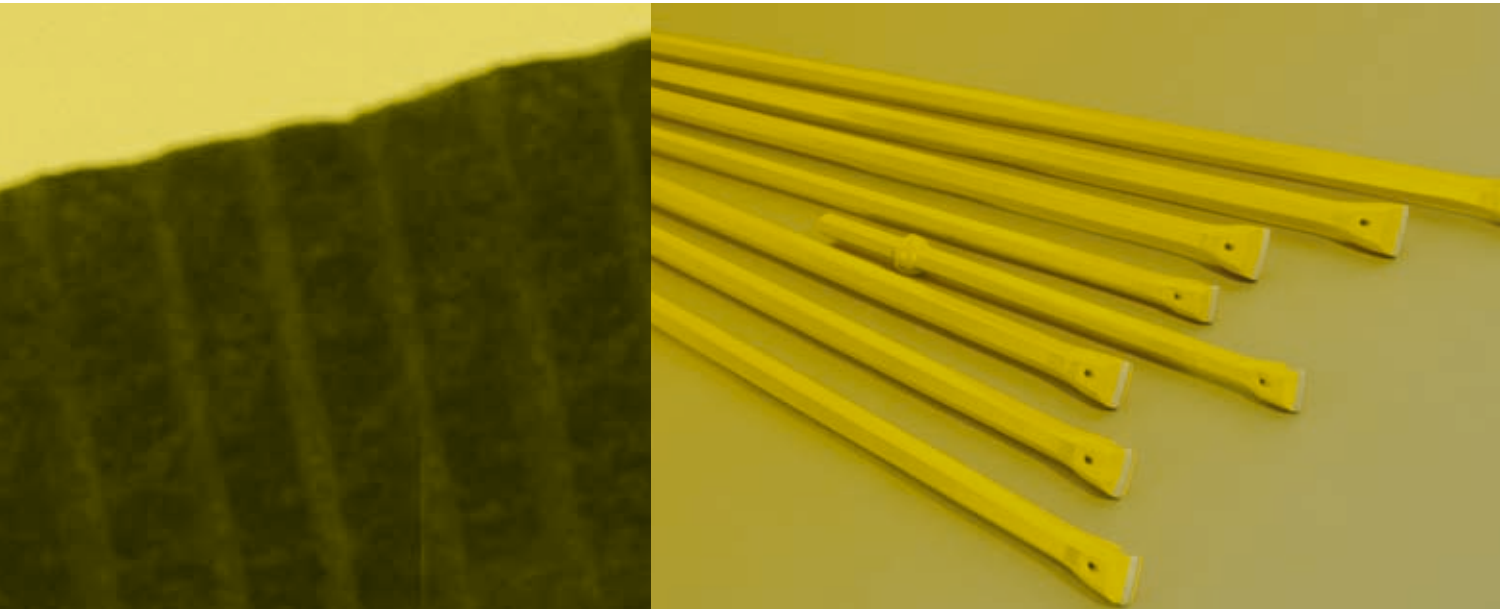


COPROD parts

Example: 7970-8990-80





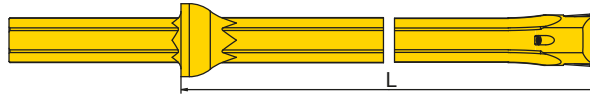


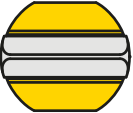
Integral equipment

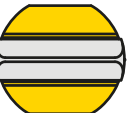
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Integral equipment

Drill rod

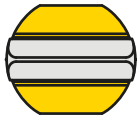


19 mm (3/4")	Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg	
				mm	foot/inch	mm	inch		
 <p>Chisel bit integral. Rod hex. 19 mm (3/4") Shank hex. 19 mm (3/4") x 108 mm (4 1/4").</p>	21	90504884	724-0429,06-02	400	1'3 3/4"	29	1 5/32	1,3	
		90509848	724-0529,06-02	500	1'7 5/8"	29	1 5/32	2,0	
		90504888	724-0828,06-02	800	2'7 1/2"	28	1 1/8	2,2	
		90505388	724-1028,06-02	1000	3'3 3/8"	28	1 1/8	2,6	
		90504981	724-1227,06-02	1200	3'11 1/4"	27	1 1/16	3,0	
		90504891	724-1627,06-02	1600	5'3"	27	1 1/16	4,0	
		90504897	724-2426,06-02	2400	7'10 1/2"	26	1 1/32	5,7	
		90504898	724-3225,06-02	3200	10'6"	25	1	7,5	
		90504899	724-4024,06-02	4000	13'1 1/2"	24	15/16	9,2	
	22	90504883	724-0424,06-02	400	1'3 3/4"	24	15/16	1,3	
		90504887	724-0823,06-02	800	2'7 1/2"	23	29/32	2,2	
	24	90504886	724-0627,06-02	600	1'11 5/8"	27	1 1/16	1,7	
		90504890	724-1226,06-02	1200	3'11 1/4"	26	1 1/32	3,1	
		90504797	724-2424,06-02	2400	7'10 1/2"	24	15/16	5,7	
	25	90504885	724-0435,06-02	400	1'3 3/4"	35	1 3/8	1,4	
		90504889	724-0834,06-02	800	2'7 1/2"	34	1 1/32	2,3	
	<p>Chisel bit integral. Rod hex. 19 mm (3/4"). Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). If needed: Seal Product No. 90002047 / Seal Product code 9159-06.</p>		90504900	728-0424,06-02	400	1'3 3/4"	24	15/16	1,4
			90508901	728-0429,06-02	400	1'3 3/4"	29	1 5/32	1,4
		90504902	728-0627,06-02	600	1'11 5/8"	27	1 1/16	1,8	
		90504903	728-0823,06-02	800	2'7 1/2"	23	29/32	2,3	
		90504904	728-0828,06-02	800	2'7 1/2"	28	1 1/8	2,3	
		90505405	728-1223,06-02	1200	3'11 1/4"	23	29/32	3,0	
		90504906	728-1627,06-02	1600	5'3"	27	1 1/16	4,0	
		90514284	728-2028,06-02	2000	6'6 3/4"	28	1 1/8	5,0	
		90504907	728-2426,06-02	2400	7'10 1/2"	26	1 1/32	5,8	

22 mm (7/8")	Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
				mm	foot/inch	mm	inch	
 <p>Chisel bit integral. Rod hex. 22 mm (7/8") Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). If needed: Seal Product No. 90002047 / Seal Product code 9159-06.</p>	11	90503753	714-0834,05-02	800	2'7 1/2"	34	1 1/32	3,0
		90503757	714-1633,05-02	1600	5'3"	33	1 5/16	5,4
		90503761	714-2432,05-02	2400	7'10 1/2"	32	1 1/4	7,9
		90503763	714-3231,05-02	3200	10'6"	31	1 1/32	10,3
		90503764	714-4030,05-02	4000	13'1 1/2"	30	1 3/16	12,6
		90503765	714-4829,05-02	4800	15'9"	29	1 5/32	15,1
		90503766	714-5628,05-02	5600	18'4 1/2"	28	1 1/8	17,6
		90503767	714-6427,05-02	6400	21'	27	1 1/16	19,9
		90504197	714-7226,05-02	7200	23'7 1/2"	26	1 1/32	22,3
	12	90503754	714-0840,05-02	800	2'7 1/2"	40	1 9/16	3,0
		90503758	714-1639,05-02	1600	5'3"	39	1 7/32	5,4
		90503762	714-2438,05-02	2400	7'10 1/2"	38	1 1/2	7,8
		90503801	714-3237,05-02	3200	10'6"	37	1 5/32	10,3
		90503798	714-4036,05-02	4000	13'1 1/2"	36	1 3/32	12,6
		90503866	714-4835,05-02	4800	15'9"	35	1 3/8	15,1
		90503867	714-5634,05-02	5600	18'4 1/2"	34	1 1/32	17,6
		90503868	714-6433,05-02	6400	21'	33	1 5/16	19,8
		90504222	714-7232,05-02	7200	23'7 1/2"	32	1 1/4	22,2
		90504223	714-8031,05-02	8000	26'3"	31	1 1/32	24,6

Integral equipment

22 mm (7/8")



Chisel bit integral.

Rod hex. 22 mm (7/8")

Shank hex. 22 mm (7/8") x 108 mm (4 1/4").

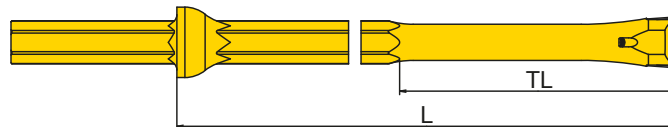
If needed:

Seal Product No. 90002047 /

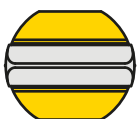
Seal Product code 9159-06.

Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
			mm	foot/inch	mm	inch	
13	90503769	714-0434,05-02	400	1'3 3/4"	34	1 1/32	1,7
	90504245	714-0833,05-02	800	2'7 1/2"	33	1 5/16	3,0
	90503755	714-1232,05-02	1200	3'11 1/4"	32	1 1/4	4,2
	90504164	714-1631,05-02	1600	5'3"	31	1 7/32	5,3
	90503759	714-2030,05-02	2000	6'6 3/4"	30	1 3/16	6,5
16	90503752	714-0635,05-02	600	1'11 5/8"	35	1 3/8	2,4
	90503756	714-1234,05-02	1200	3'11 1/4"	34	1 1/32	4,2
	90503855	714-1833,05-02	1800	5'10 7/8"	33	1 5/16	6,1
17	90503761	714-2432,05-02	2400	7'10 1/2"	32	1 1/4	7,9
	90504195	714-0641,05-02	600	1'11 5/8"	41	1 5/8	2,4
	90503852	714-1240,05-02	1200	3'11 1/4"	40	1 9/16	4,3
	90503851	714-1839,05-02	1800	5'10 7/8"	39	1 7/32	6,1
	90503762	714-2438,05-02	2400	7'10 1/2"	38	1 1/2	7,8
	90509881	714-0435,05-02	400	1'3 3/4"	35	1 3/8	1,7
	90505191	714-0441,05-02	400	1'3 3/4"	41	1 5/8	1,8
	90504161	714-0829,05-02	800	2'7 1/2"	29	1 5/32	3,0
	90514178	714-0838,05-02	800	2'7 1/2"	38	1 1/2	3,1
	90504821	714-1233,05-02	1200	3'11 1/4"	33	1 5/16	4,3
	90509651	714-1239,05-02	1200	3'11 1/4"	39	1 7/32	4,3
	90504420	714-1628,05-02	1600	5'3"	28	1 1/8	5,3
	90504758	714-1636,05-02	1600	5'3"	36	1 3/32	5,5
	90504759	714-1836,05-02	1800	5'10 7/8"	36	1 3/32	6,0
	90504226	714-2032,05-02	2000	6'6 3/4"	32	1 1/4	6,6
	90503760	714-2033,05-02	2000	6'6 3/4"	33	1 5/16	6,6
	90504170	714-2133,05-02	2100	6'10 5/8"	33	1 5/16	6,9
	90503641	714-2427,05-02	2400	7'10 1/2"	27	1 1/16	7,9
	90504413	714-3227,05-02	3200	10'6"	27	1 1/16	10,2
	90513873	714-3228,05-02	3200	10'6"	28	1 1/8	10,5
	90504227	714-3232,05-02	3200	10'6"	32	1 1/4	10,5
	90504228	714-6430,05-02	6400	21'	30	1 3/16	19,8
	90504198	714-8026,05-02	8000	26'3"	26	1 1/32	24,7
	90504798	714-9629,05-02	9600	31'6"	29	1 5/32	30,4

Plug hole rod



19 mm (3/4")



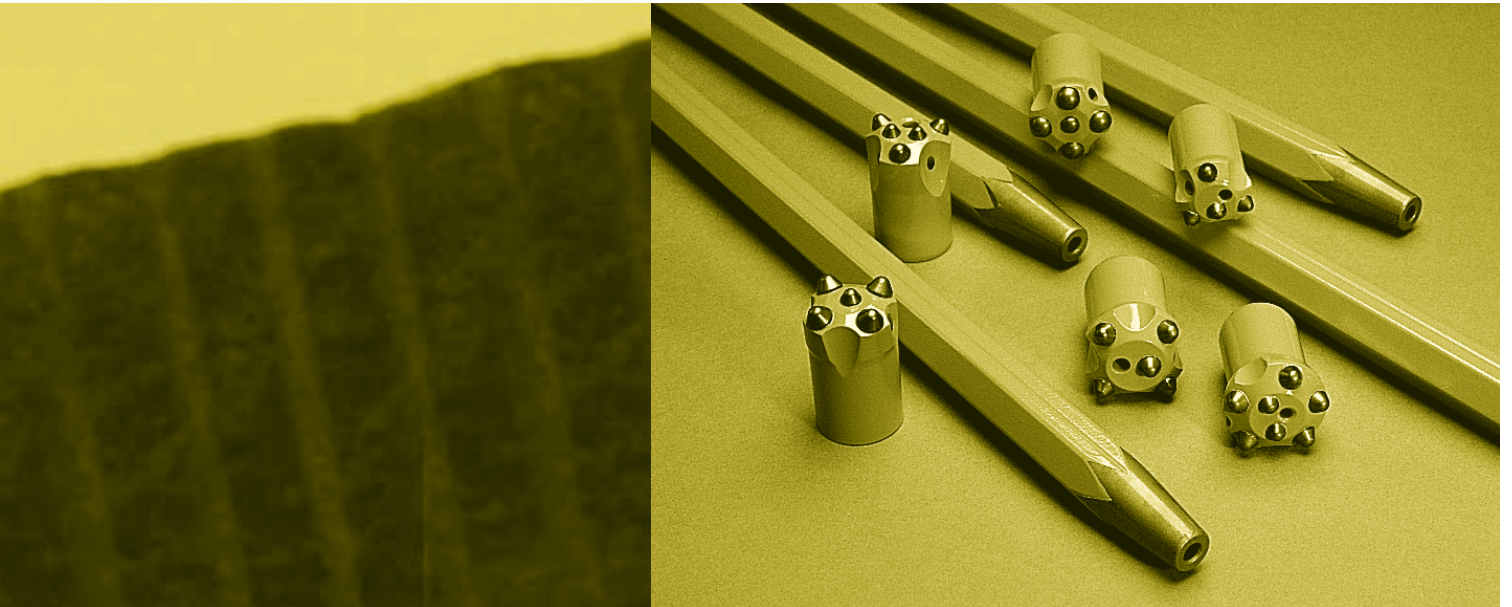
Chisel bit plug hole rod.

Shank hex. 19 mm (3/4") x 108 mm (4 1/4").

Shank hex. 19 mm (3/4") x 82 mm (3 1/8").

Product No.	Product code	Length (L)		Bit diameter		Turned length (TL)		Weight approx. kg
		mm	foot/inch	mm	inch	mm	inch	
90502158	721-2117-15,05-02	210	8 1/4"	17	2 1/32	150	5 7/8	0,6
90003106	721-2120-15,05-02	210	8 1/4"	20	25/32	150	5 7/8	0,7
90503789	721-2122-15,05-02	210	8 1/4"	22	7/8	150	5 7/8	0,7
90003071	721-2620-20,05-02	260	10 1/4"	20	25/32	200	7 7/8	0,8
90509624	721-2622-20,05-02	260	10 1/4"	22	7/8	200	7 7/8	0,8
90504653	721-3122-25,05-02	310	1 1/4"	22	7/8	250	9 7/8	0,8
90003105	721-3420-28,05-02	340	1'1 3/8"	20	25/32	280	11	0,9
90503793	722-2120-15,05-02	210	8 1/4"	20	25/32	150	5 7/8	0,7
90503794	722-2122-15,05-02	210	8 1/4"	22	7/8	150	5 7/8	0,7





Tapered equipment

Drill bit design	16
Drill rod	19
Directional indicator drill rod	20
Directional indicator drill bit	20

Tapered equipment

Drill bit design



Model -12

For soft to medium-hard rock formations. One front and two side flushing holes.



Model -14

For soft to medium-hard rock. Two front and one side flushing hole.



Model -17

All-round drill bit for soft to medium-hard rock. Front and side flushing. Diametres up to 34 mm.



Model -23

For soft and abrasive rock. Front and side flushing.



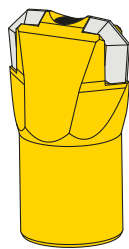
Model -25

For soft to medium-hard rock. Flushing concentrated to the sides of the bit.



Model -27

All-round drill bit for medium-hard to hard rock formations. Front and side flushing. Diametres from 35 mm.



Model -31 Directional bit

Special designed bit for block splitting in dimensional stone industry (DSI). Front flushing.



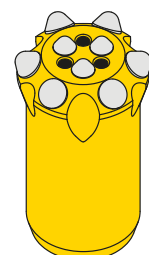
Model -33

All-round bit with six gauge buttons for medium-hard to hard rock formations. Front and side flushing. Inclined front buttons.



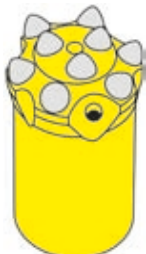
Model -34

All-round bit for soft to hard rock formations. Two front flushing holes for optimal speed and less hole deviation. Inclined front buttons.



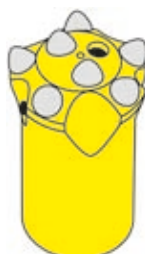
Model -37

All-round drill bit for soft, medium and hard rock with excellent flushing capacity. Front and side flushing.



Model -40

All-round bit for medium-hard to hard rock. Side flushing only. Inclined front buttons.



Model -41, short skirt

All-round bit for medium-hard to hard rock. Front and side flushing. Inclined front buttons.



Model -56

All-round drill bit for medium-hard to hard rock formations. Front and side flushing.



Cross-type bit

For hard and abrasive rock. Front and side flushing.

Please observe that all button bits are manufactured over-sized 0,5–1,0 mm, meaning that for example a 36,0 mm bit is at least 36,5 mm as new. This is done because of the fast initial wear on button bits.

When it is of importance, also consider that the hole is always 1,0–3,0 mm bigger than the bit dimension depending on rock formation.

Tapered equipment

Drill bit

Diameter		Product No.	Product code	Length		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Front buttons angle°	Flushing hole		Weight approx. kg
mm	inch			mm	inch		Gauge	Centre			Side	Centre	
BUTTON BIT - For 22 mm (7/8") hex. rod. 4°46' taper angle. Short skirt.													
36	1 ¹³ / ₃₂	90510678	178-9036-14-67,39-20	50	1 ³¹ / ₃₂	7	5×7	2×7	35°	–	1	2	0,3
38	1 ¹ / ₂	90512880	178-9038-14-67,39-20	50	1 ³¹ / ₃₂	7	5×7	2×7	35°	–	1	2	0,3
BUTTON BIT - For 22 mm (7/8") hex. rod. 11° taper angle. Short skirt.													
32	1 ¹ / ₄	90510100	179-9032-12-67,50-20	50	1 ³¹ / ₃₂	5	3×8	2×7	35°	–	2	1	0,3
32	1 ¹ / ₄	90512816	179-9032-33-67,39-20	55	2 ⁵ / ₃₂	8	6×7	2×7	39°	15°	1	1	0,3
32	1 ¹ / ₄	90510189	179-9032-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	35°	–	1	1	0,3
33	1 ⁵ / ₁₆	90512712	179-9033-40-67,52-20	50	1 ³¹ / ₃₂	9	6×7	3×7	40°	20°	2	–	0,3
33	1 ⁵ / ₁₆	90512801	179-9033-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	40°	–	1	1	0,2
34	1 ¹¹ / ₃₂	90512881	179-9034-40-67,39-20	50	1 ³¹ / ₃₂	9	6×7	3×7	40°	20°	2	–	0,3
35	1 ³ / ₈	90512818	179-9035-41-67-L,39-20*	55	2 ⁵ / ₃₂	7	5×8	2×7	40°	15°	1	1	0,3
36	1 ¹³ / ₃₂	90509963	179-9036-12-67,39-20	50	1 ³¹ / ₃₂	5	3×8	2×8	40°	–	2	1	0,3
36	1 ¹³ / ₃₂	90510127	179-9036-23-67,50-20	50	1 ³¹ / ₃₂	4	3×9	1×8	35°	–	1	1	0,4
36	1 ¹³ / ₃₂	90509968	179-9036-27-67,39-20	50	1 ³¹ / ₃₂	7	5×8	2×7	35°	–	1	1	0,3
36	1 ¹³ / ₃₂	90510192	179-9036-56-67,50-20	50	1 ³¹ / ₃₂	6	4×7	2×7	40°	–	1	1	0,4
38	1 ¹ / ₂	90510669	179-9038-23-67,39-20	50	1 ³¹ / ₃₂	4	3×9	1×9	40°	–	2	1	0,3
38	1 ¹ / ₂	90509966	179-9038-27-67,39-20	50	1 ³¹ / ₃₂	7	5×9	2×7	35°	–	1	1	0,3
40	1 ⁹ / ₁₆	90512668	179-9040-23-67,39-20	50	1 ³¹ / ₃₂	4	3×9	1×9	40°	–	1	1	0,4
41	1 ⁵ / ₈	90509962	179-9041-27-67,39-20	50	1 ³¹ / ₃₂	7	5×9	2×7	35°	–	2	1	0,3
BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Short skirt.													
27	1 ¹ / ₁₆	90512895	177-9027-56-67,51-20	50	1 ³¹ / ₃₂	6	4×6	2×6	40°	15°	1	1	0,2
28	1 ¹ / ₈	90510695	177-9028-23-67,39-20	50	1 ³¹ / ₃₂	4	3×7	1×7	20°	–	1	1	0,1
30	1 ³ / ₁₆	90509862	177-9030-23-67,39-20	50	1 ³¹ / ₃₂	4	3×7	1×7	40°	–	1	1	0,2
30	1 ³ / ₁₆	90510181	177-9030-56-67,51-20	50	1 ³¹ / ₃₂	6	4×7	2×7	30°	–	1	1	0,2
32	1 ¹ / ₄	90509650	177-9032-14-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	–	1	2	0,3
32	1 ¹ / ₄	90509841	177-9032-17-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	–	1	1	0,2
32	1 ¹ / ₄	90512817	177-9032-34-67,39-20	55	2 ⁵ / ₃₂	8	6×7	2×7	39°	15°	1	2	0,3
33	1 ⁵ / ₁₆	90512648	177-9033-14-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	–	1	2	0,2
33	1 ⁵ / ₁₆	90509842	177-9033-17-67,39-20	55	2 ⁵ / ₃₂	7	5×7	2×7	35°	–	1	1	0,2
33	1 ⁵ / ₁₆	90513909	177-9033-41-67,39-20	55	2 ⁵ / ₃₂	7	5×8	2×7	40°	15°	1	1	0,2
33	1 ⁵ / ₁₆	90510183	177-9033-56-67,50-20	55	2 ⁵ / ₃₂	6	4×7	2×7	35°	–	1	1	0,2
34	1 ¹¹ / ₃₂	90509956	177-9034-27-67,39-20	55	2 ⁵ / ₃₂	7	5×8	2×7	35°	–	1	1	0,2
35	1 ³ / ₈	90509535	177-9035-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,2
35	1 ³ / ₈	90510184	177-9035-56-67,50-20	55	2 ⁵ / ₃₂	6	4×7	2×7	35°	–	1	1	0,2
36	1 ¹³ / ₃₂	90512721	177-9036-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,3
37	1 ¹⁵ / ₃₂	90512710	177-9037-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	40°	–	1	1	0,3
38	1 ¹ / ₂	90512232	177-9038-12-67,39-20	55	2 ⁵ / ₃₂	5	3×9	2×8	40°	–	1	1	0,2
38	1 ¹ / ₂	90512658	177-9038-17-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	40°	–	1	1	0,3
38	1 ¹ / ₂	90510676	177-9038-23-67,39-20	55	2 ⁵ / ₃₂	4	3×9	1×9	40°	–	1	1	0,2
38	1 ¹ / ₂	90509554	177-9038-27,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,2
38	1 ¹ / ₂	90512669	177-9038-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,2
41	1 ⁵ / ₈	90512318	177-9041-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,3
45	1 ³ / ₄	90512230	177-9045-12-67,39-20	55	2 ⁵ / ₃₂	5	3×9	2×9	40°	–	1	1	0,2
45	1 ³ / ₄	90512619	177-9045-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,3

-67 = Ballistic buttons.

Cont. next page

* Long bit head.

Tapered equipment

Diameter		Product No.	Product code	Length		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Front buttons angle°	Flushing hole		Weight approx. kg
mm	inch			mm	inch		Gauge	Centre			Side	Centre	
BUTTON BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt.													
30	1 1/16	90512883	173-5030-17-67,39-20	80	3 5/32	7	5×6	2×7	35°	–	2	1	0,2
32	1/4	90512799	173-5032-17-67,39-20	80	3 5/32	7	5×7	2×7	35°	–	1	1	0,3
33	1 5/16	90512800	173-5033-17-67,39-20	80	3 5/32	7	5×7	2×7	35°	–	1	1	0,3
33	1 5/16	90515546	173-5033-34-67,39-20	80	3 5/32	8	6×7	2×7	40°	–	1	2	0,3
33	1 5/16	90515547	173-5033-40-67,39-20	80	3 5/32	9	6×7	3×7	40°	20°	3	–	0,4
35	1 3/8	90512663	173-5035-27,39-20	80	3 5/32	7	5×8	2×7	35°	–	1	1	0,4
35	1 3/8	90513908	173-5035-41,39-20	80	3 5/32	7	5×9	2×7	25°	15°	1	1	0,4
35	1 3/8	90512922	173-5035-41-67,39-20	80	3 5/32	7	5×8	2×7	35°	10°	1	1	0,4
37	1 15/32	90515584	173-5037-41-67,39-20	80	3 5/32	7	5×9	2×7	40°	15°	1	1	0,4
41	1 5/8	90514506	173-5041-41-67,39-20	80	3 5/32	7	5×9	2×8	40°	15°	1	1	0,4
BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Long skirt.													
32	1/4	90510640	177-5032-17-67,39-20	71	2 25/32	7	5×7	2×7	35°	–	1	1	0,3
33	1 5/16	90512847	177-5033-14-67,39-20	71	2 25/32	7	5×7	2×7	35°	–	1	2	0,3
33	1 5/16	90512297	177-5033-17-67,39-20	71	2 25/32	7	5×7	2×7	35°	–	1	1	0,3
33	1 5/16	90512825	177-5033-34-67,39-20	71	2 25/32	8	6×7	2×7	40°	15°	1	2	0,3
33	1 5/16	90512707	177-5033-40-67,39-20	71	2 25/32	9	6×7	3×7	40°	20°	3	–	0,3
34	1 11/32	90512955	177-5034-17-67,39-20	71	2 25/32	7	5×7	2×7	35°	–	1	1	0,3
35	1 3/8	90512826	177-5035-34-67,39-20	71	2 25/32	8	6×8	2×7	45°	15°	1	2	0,3
36	1 13/32	90512846	177-5036-34-67,39-20	71	2 25/32	8	6×8	2×7	40°	15°	1	2	0,3
37	1 15/32	90515843	177-5037-27-67,39-20	71	2 25/32	7	5×9	2×7	40°	–	1	2	0,3
38	1 1/2	90502644	177-5038-27,25-20	71	2 25/32	7	5×9	2×7	35°	–	1	1	0,4
39	1 17/32	90510647	177-5039-27,39-20	71	2 25/32	7	5×9	2×7	35°	–	1	1	0,4
41	1 5/8	90514693	177-5041-34-67,39-20	71	2 25/32	8	6×7	2×7	35°	–	1	2	0,4
BUTTON BIT - For 25 mm (1") hex. rod. 7° taper angle. Long skirt.													
41	1 5/8	90512830	194-5041-27,39-20	71	2 25/32	7	5×9	2×8	40°	–	1	1	0,4
41	1 5/8	90512831	194-5041-27-67,39-20	71	2 25/32	7	5×9	2×8	40°	–	1	1	0,4
41	1 5/8	90512984	194-5041-37-67,39-20	71	2 25/32	9	6×9	3×7	40°	–	1	3	0,4
43	1 11/16	90512985	194-5043-37-67,39-20	71	2 25/32	9	6×9	3×7	40°	–	1	3	0,5
BUTTON BIT - For 25 mm (1") hex. rod. 12° taper. Long skirt.													
38	1 1/2	90512064	180-5038-27-67,39-20	71	2 25/32	7	5×9	2×7	40°	–	1	1	0,4
41	1 5/8	90512486	180-5041-27-67,39-20	71	2 25/32	7	5×9	2×7	40°	–	1	1	0,4
CROSS-TYPE BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt.													
30	1 1/16	90504779	173-7030,01-17	71	2 25/32	–	–	–	–	–	2	1	0,2
32	1/4	90509839	173-7032,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
32	1/4	90514526	173-7032-10,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
35	1 3/8	90509643	173-7035-28,01-17	71	2 25/32	–	–	–	–	–	2	–	0,3
CROSS-TYPE BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Long skirt.													
29	1 5/32	90503889	177-7029,01-17	71	2 25/32	–	–	–	–	–	2	1	0,2
30	1 3/16	90510816	177-7030-10,01-17	71	2 25/32	–	–	–	–	–	2	1	0,2
32	1/4	90503024	177-7032,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
32	1/4	90512643	177-7032-10,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
33	1 5/16	90509505	177-7033,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
35	1 3/8	90500739	177-7035,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
38	1 1/2	90500740	177-7038,01-17	71	2 25/32	–	–	–	–	–	2	1	0,4
41	1 5/8	90503890	177-7041,01-17	71	2 25/32	–	–	–	–	–	2	1	0,5
45	1 3/4	90503069	177-7045,01-17	71	2 25/32	–	–	–	–	–	2	1	0,6

-67 = Ballistic buttons.

Tapered equipment

Drill rod



Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). Rod hex. 22 mm (7/8").

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4°46' taper				
800	2'7 1/2"	90510626	578-0108,11	2,9
1600	5'3"	90510627	578-0116,11	5,4
2000	6'6 3/4"	90510628	578-0120,11	6,6
2200	7'2 5/8"	90505240	578-0122,11	7,2
2400	7'10 1/2"	90510629	578-0124,11	7,8
3200	10'6"	90510630	578-0132,11	10,2
3500	11'5 3/4"	90513835	578-0135,11	11,1
4000	13'1 1/2"	90510631	578-0140,11	12,7
4800	15'9"	90515489	578-0148,11	15,1
5600	18'4 1/2"	90515425	578-0156,11	17,7
6400	21'	90515490	578-0164,11	20,1
7° taper				
400	1'3 3/4"	90513772	573-0104,11	1,7
800	2'7 1/2"	90505067	573-0108,11	2,7
1830	6'	90504827	573-0118,11	6,0
2000	6'6 3/4"	90504756	573-0120,11	6,7
2435	8'	90504828	573-0124,11	7,7
3050	10'	90504829	573-0131,11	9,8
3200	10'6"	90504831	573-0132,11	10,1
3660	12'	90514346	573-0136,11	11,4
4000	13'1 1/2"	90513773	573-0140,11	12,7
4800	15'9"	90515495	573-0148,11	15,1
5600	18'4 1/2"	90514493	573-0156,11	17,1
6400	21'	90514494	573-0164,11	19,5
7200	23'7 1/2"	90514495	573-0172,11	22,0
8000	26'3"	90514496	573-0180,11	24,2
11° taper				
610	2'	90510204	579-0106,11	2,4
1220	4'	90504865	579-0112,11	4,2
1525	5'	90504867	579-0115,11	5,3
1830	6'	90504868	579-0118,11	5,9
2000	6'6 3/4"	90504869	579-0120,11	6,6
2435	8'	90504871	579-0124,11	7,7
2600	8'6 3/8"	90504872	579-0126,11	8,2
3200	10'6"	90510202	579-0132,11	10,3
3655	11'11 7/8"	90510203	579-0137,11	11,7
4000	13'1 1/2"	90510245	579-0140,11	12,8
4800	15'9"	90510817	579-0148,11	15,2
5600	18'4 1/2"	90510894	579-0156,11	17,6
6400	21'	90510895	579-0164,11	20,0
7200	23'7 1/2"	90510896	579-0172,11	22,4
8000	26'3"	90510897	579-0180,11	24,9

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
12° taper				
610	2'	90504832	577-0106,11	2,2
1220	4'	90504835	577-0112,11	4,2
1525	5'	90504837	577-0115,11	4,9
1830	6'	90001398	577-0118,11	6,1
2000	6'6 3/4"	90504839	577-0120,11	6,8
2435	8'	90504841	577-0124,11	7,6
2435	8'	90505436	577-0124-C,02	7,8
3050	10'	90504843	577-0131,11	9,9
3200	10'6"	90504844	577-0132,11	9,9
3655	11'11 7/8"	90504845	577-0137,11	11,3
3655	11'11 7/8"	90505438	577-0137-C,02	11,7
3965	13'	90504846	577-0140,11	12,2
4800	15'9"	90504847	577-0148,11	14,7
5600	18'4 1/2"	90504848	577-0156,11	17,1
6400	21'	90504849	577-0164,11	19,5
7200	23'7 1/2"	90504850	577-0172,11	22,0
8000	26'3"	90504851	577-0180,11	24,2

Shank hex. 25 mm (1") x 108 mm (4 1/4").
Rod hex. 25 mm (1").

Seal Product No. 90000378 / Seal Product code 9150-08.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
7° taper				
1500	4'11"	90514427	594-1115,11	6,5
1600	5'3"	90515264	594-1116,11	6,9
1800	5'10 7/8"	90509502	594-1118,11	8,0
2200	7'2 5/8"	90514319	594-1122,11	9,3
2400	7'10 1/2"	90514718	594-1124,11	10,1
2600	8'6 3/8"	90514756	594-1126,11	10,9
3900	12'9 1/2"	90515304	594-1139,11	16,1
12° taper				
3660	12'	90515426	580-1137,11	15,3

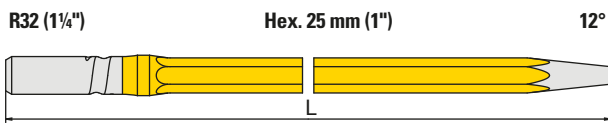
Shank hex. 25 mm (1") x 159 mm (6 1/4").
Rod hex. 25 mm (1").

Seal Product No. 90000378 / Seal Product code 9150-08.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
12° taper				
2400	7'10 1/2"	90510520	580-1524,11	10,4
3965	13'	90504876	580-1540,11	15,3

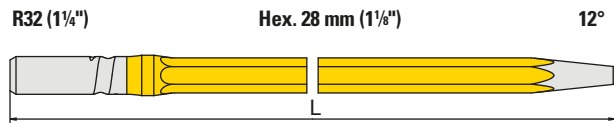
Tapered equipment


Drill rod with threaded shank end



Fully carburized. Rod section 28,5 mm. 

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2780	9'1 1/2"	90505274	277-0328-03-91-C,02	10,7



Fully carburized. Rod section 32 mm. 

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2600	8'6 3/8"	90510248	280-0426-03-C,02	13,5

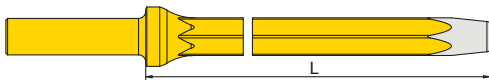
Directional drilling for dimension stone splitting

Directional indicator drill rod

22 mm (7/8") hex. rod.

108 mm (4 1/4") round shank. No rotation.

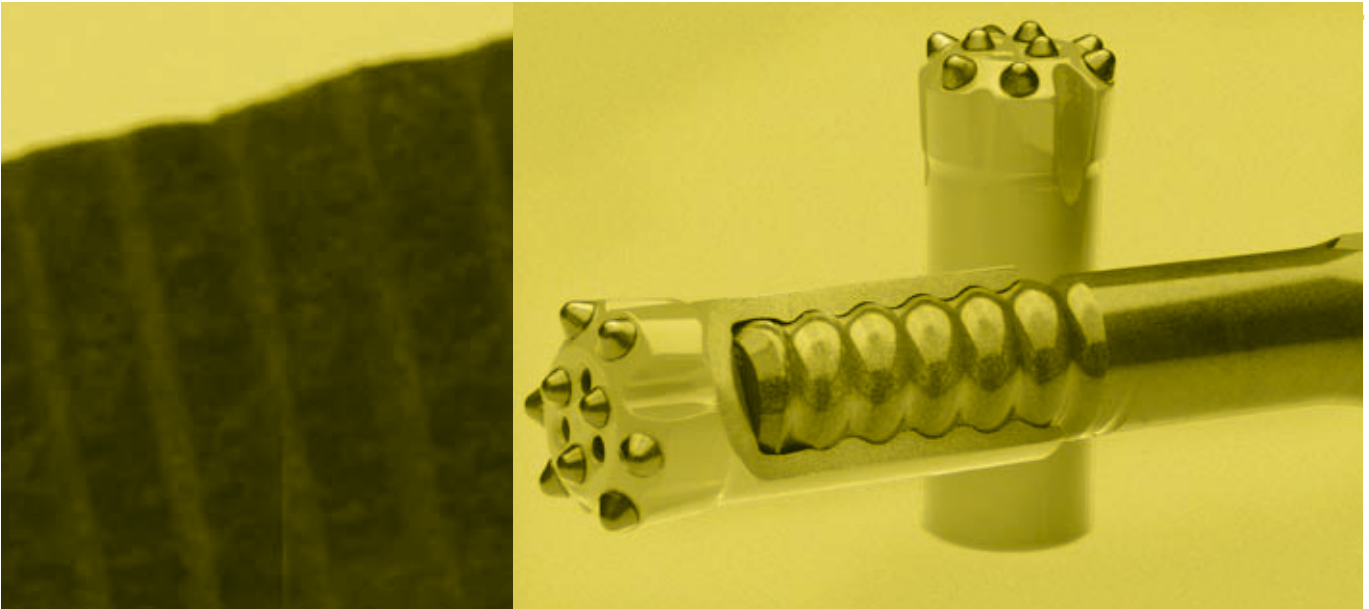
No reaming for flushing tube.



Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
11° taper				
800	2'7 1/2"	90514184	579-4508-07,11	2,9
1600	5'3"	90514188	579-4516-07,11	5,3
2435	8'	90514190	579-4524-07,11	7,8
3200	10'6"	90514191	579-4532-07,11	10,1
4000	13'1 1/2"	90514192	579-4540-07,11	12,7
5600	18'4 1/2"	90514194	579-4556-07,11	17,5
6400	21'	90514195	579-4564-07,11	19,9
8000	26'3"	90514197	579-4580-07,11	24,7

Directional indicator drill bit

Diameter		Product No.	Product code	Length		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Front buttons angle°	Flushing hole		Weight approx. kg
mm	inch			mm	inch		Gauge	Centre			Side	Centre	
DIRECTIONAL BIT - For 22 mm (7/8") hex. rod. 11° taper angle. Short skirt.													
38	1 1/2	90512917	179-9038-31,22-03	70	2 3/4	Pilot hole Ø 32 mm				-	1	0,2	
40	1 5/16	90512918	179-9040-31,22-03	70	2 3/4	Pilot hole Ø 33/34 mm				-	1	0,2	

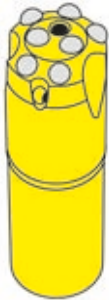


Drifting and tunnelling

Drill bit design	22
R25 (1")	23
Magnum SR28 (1¹/₈")	26
R28 (1¹/₈")	28
Magnum SR32 (1¹/₄")	30
R32 (1¹/₄")	32
Magnum SR35 (1³/₈")	37
Dome bits for reaming	40
Reaming equipment	41

Drifting and tunnelling

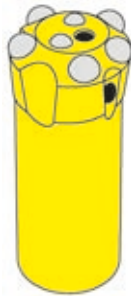
Drill bit design



Model -17

2+3 gauge buttons, 2 front buttons.

One front and two side flushing holes.



Model -27

2+3 gauge buttons, 2 front buttons.

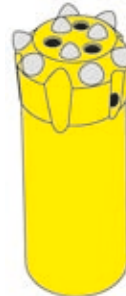
With its large gauge buttons, model -27 is ideal for medium-hard to hard abrasive rock. Available with spherical or ballistic (-67) buttons.



Model -34

3+3 gauge buttons, 2 front buttons.

Model -34 offers very good penetration. Ideal for most rock formations including hard rock. Available with spherical or ballistic (-67) buttons.



Model -37

2+2+2 gauge buttons, 3 front buttons.

With 9 buttons and superb flushing, model -37 bits offer very good penetration. Ideal for most rock formations including hard rock with heavy frontal wear on the bit. Available with spherical or ballistic (-67) buttons.



Model -27-30, -37-30

Guide bit. Square skirt.

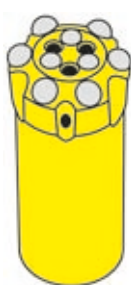
Ideal where hole deviation is a problem. Longer service life, better penetration rate and longer grinding intervals compared to a cross-type bit, which is normally used to avoid hole deviations. Suitable for most rock formations including hard rock. Available with spherical or ballistic (-67) buttons.



Model -37-66

2+2+2 gauge buttons, 3 front buttons.

With 9 full-ballistic buttons and excellent flushing with extra flushing grooves, model -37-66 offers extremely good penetration rate in soft rock.



Model -39

2+2+2 gauge buttons, 3 smaller front buttons.

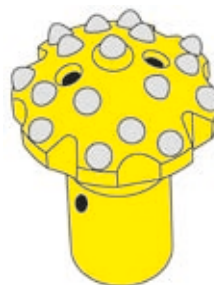
With its larger gauge buttons, model -39 is ideal for abrasive rock. Available with spherical buttons.



Model -41

2+3 gauge buttons, 2 front buttons.

For medium-hard to hard rock formations. Available with spherical or ballistic buttons. Inclined front.



Model -42

Reaming bit. Dome-shaped front.

Model -42 is an alternative to traditional reaming equipment. Use in a pre-drilled pilot hole. Tried and tested with excellent results.



Model -56

2+2 gauge buttons, 2 smaller front buttons.

Traditionally used in hard rock formations, model -56 delivers excellent penetration rate. Available only with spherical buttons.



Cross-type bit

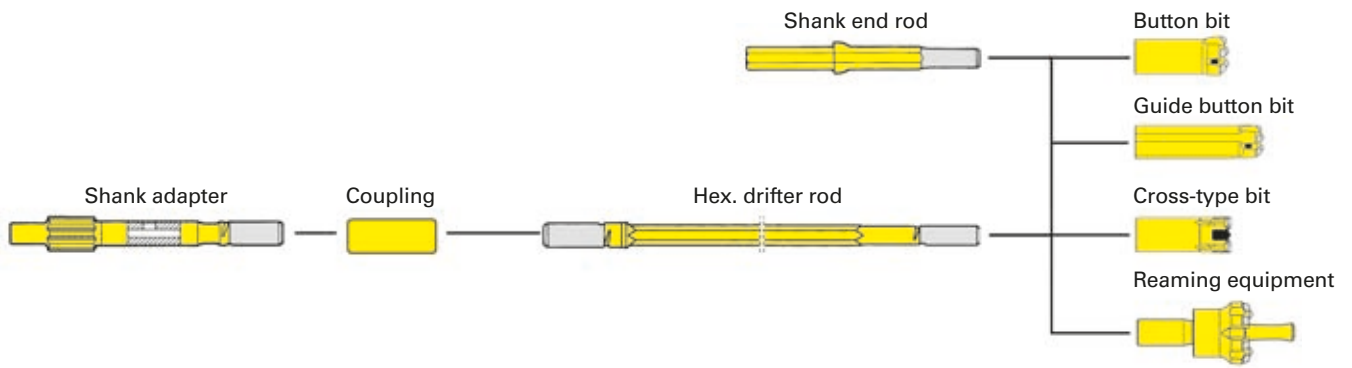
4 chisel inserts in cross formation.

Traditional insert bit for extremely abrasive rock formations. Ideal for soft formations that cause "snake-skin" problems for carbide. Produces straight holes but has lower penetration than button bits.

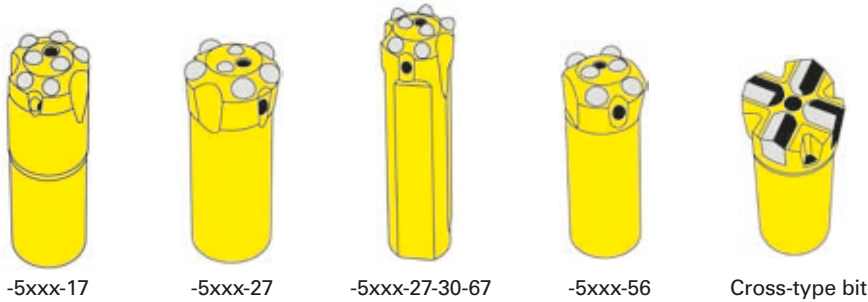
- 5 XXX Flat face button bit	- 6 XXX Drop centre button bit	
-XXXX- 67 Ballistic buttons	-XXXX- 66 Full-ballistic buttons	-XXXX- 45 Retrac skirt

Please observe that all button bits are manufactured over-sized 0,5–1,0 mm, meaning that for example a 36 mm bit is at least 36,5 mm as new. This is done because of the fast initial wear on button bits.

When it is of importance, also consider that the hole is always 1,0–3,0 mm bigger than the bit dimension depending on rock formation.



Drill bit design



Please note text on page 22 re. finished hole size.

Drill bit

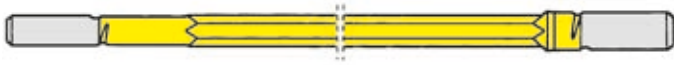
Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Buttons angle°		Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre	Gauge	Centre	Side	Centre	
BUTTON BIT - Spherical buttons											
33	1 ⁵ / ₁₆	90510448	102-5033-17,39-20	7	5×7	2×7	35°	–	1	1	0,4
35	1 ³ / ₈	90505181	102-5035-27,39-20	7	5×9	2×7	25°	10°	1	1	0,5
37	1 ⁵ / ₃₂	90505295	102-5037-27,39-20	7	5×9	2×7	30°	–	1	1	0,6
38	1 ¹ / ₂	90505179	102-5038-27,39-20	7	5×9	2×7	30°	–	1	1	0,6
38	1 ¹ / ₂	90510206	102-5038-56,39-20	6	4×9	2×8	30°	–	2	1	0,5
41	1 ⁵ / ₈	90505175	102-5041-27,39-20	7	5×9	2×8	35°	–	1	1	0,6
41	1 ⁵ / ₈	90510207	102-5041-56,39-20	6	4×9	2×9	35°	–	2	1	0,6
45	1 ³ / ₄	90505145	102-5045-27,39-20	7	5×11	2×8	30°	–	2	1	0,7
45	1 ³ / ₄	90510208	102-5045-56,39-20	6	4×11	2×9	35°	–	2	1	0,6
BUTTON BIT - Ballistic buttons											
33	1 ⁵ / ₁₆	90510274	102-5033-17-67,39-20	7	5×7	2×7	35°	–	1	1	0,4
35	1 ³ / ₈	90509723	102-5035-27-67,39-20	7	5×9	2×7	25°	–	1	1	0,5
38	1 ¹ / ₂	90505180	102-5038-27-67,39-20	7	5×9	2×7	40°	–	1	1	0,6
41	1 ⁵ / ₈	90505176	102-5041-27-67,39-20	7	5×9	2×8	40°	–	1	1	0,6
41	1 ⁵ / ₈	90510662	102-5041-27-30-67,39-20	7	5×9	2×8	40°	–	1	1	1,0
CROSS-TYPE BIT				Insert							
				Width (mm)		Height (mm)					
35	1 ³ / ₈	90514221	102-7035-44,20-17	10,3		19,5		2		1	
38	1 ¹ / ₂	90514222	102-7038-44,20-17	10,3		19,5		4		1	
41	1 ⁵ / ₈	90514231	102-7041-44,20-17	11,1		20,0		4		1	
45	1 ³ / ₄	90510687	102-7045-44,20-17	11,1		20,0		2		1	

Drifter rod

R25 (1")

Hex. 25 mm (1")

R32 (1¼")



Fully carburized. Rod section 28,5 mm. 

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 ⁵ / ₈ "	90503413	202-0321-03-C,02	8,6
2200	7'2 ⁵ / ₈ "	90580096	202-0322-03-C,02	9,0
2400	7'10 ¹ / ₂ "	90503115	202-0324-03-C,02	9,3
2600	8'6 ³ / ₈ "	90504963	202-0326-03-C,02	10,0
2675	8'9 ³ / ₈ "	90505259	202-0327-03-91-C,02	10,4
2800	9'2 ¹ / ₄ "	90505346	202-0328-03-C,02	10,8
3090	10'1 ⁵ / ₈ "	90539158	202-0331-03-C,02	12,0
3700	12'1 ⁵ / ₈ "	90002721	202-0337-03-C,02	14,6

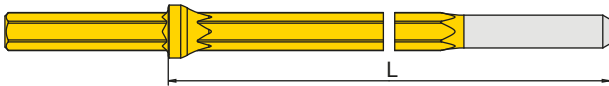
Coupling



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
32	1¼	44	1 ²³ / ₃₂	155	6 ¹ / ₈	90515731	303-0044,10	1,0
32	1¼	44	1 ²³ / ₃₂	160	6 ⁵ / ₁₆	90515732	303-0044-57,10	1,2

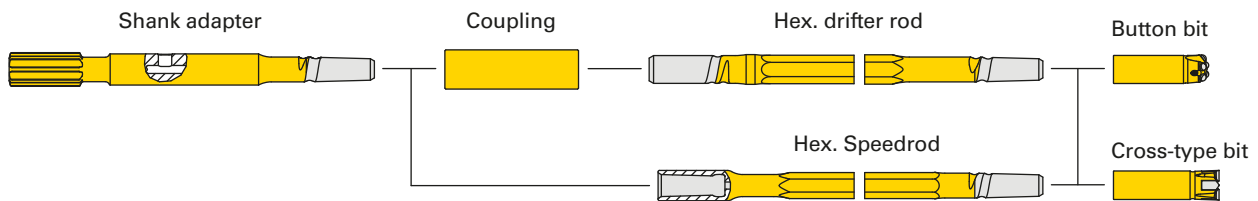
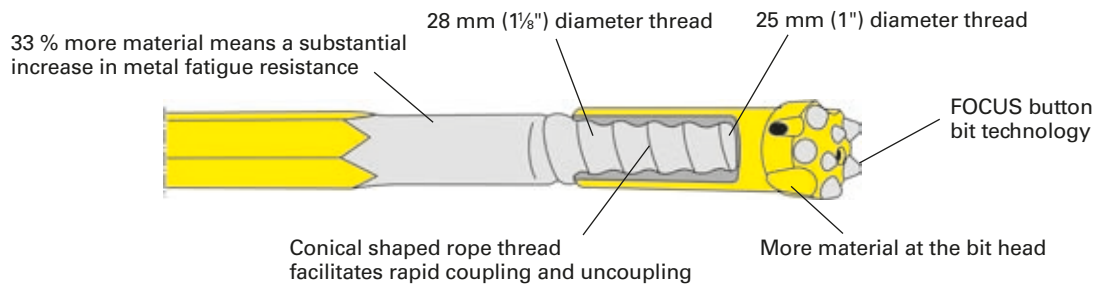
Shank end rod



Fully carburized.

Length (L)		Product No.	Product code	Seal Product No.	Seal Product code	Weight approx. kg
mm	foot/inch					
Shank hex. 22 mm (7/8") × 108 mm (4 1/4"). 25 mm (1") thread.						
265	10 3/8"	90000237	502-0103-06-C,02	90002182	9232	1,2
610	2'	90570115	502-0106-06-C,02	90002182	9232	2,3
760	2' 5 7/8"	90510004	502-0108-06-C,02	90002182	9232	2,9
1000	3' 3 3/8"	90531258	502-0110-06-C,02	90002182	9232	3,4
1200	3' 11 1/4"	90580089	502-0112-06-C,02	90002182	9232	4,5
1830	6'	90500017	502-0118-06-C,02	90002182	9232	6,2
2435	8'	90510009	502-0124-06-C,02	90002182	9232	8,0
3200	10'6"	90500012	502-0132-06-C,02	90002182	9232	10,4
3600	11'9 3/4"	90510785	502-0136-C,02	-	-	11,8
Shank hex. 25 mm (1") × 108 mm (4 1/4"). 25 mm (1") thread.						
255	10"	90000240	502-1203-C,02	90000378	9150-08	1,5
610	2'	90505425	502-1206-C,02	90000378	9150-08	3,1
1200	3' 11 1/4"	90505424	502-1212-C,02	90000378	9150-08	5,1
1830	6'	90505423	502-1218-C,02	90000378	9150-08	7,7
2435	8'	90500568	502-1224-C,02	90000378	9150-08	9,5
Shank hex. 25 mm (1") × 159 mm (6 1/4"). 25 mm (1") thread.						
255	10"	90000247	502-1503-C,02	90000378	9150-08	1,7
610	2'	90510516	502-1506-C,02	90000378	9150-08	3,1
800	2'7 1/2"	90513915	502-1508-C,02	90000378	9150-08	4,1
3200	10'6"	90000986	502-1532-C,02	90000378	9150-08	13,2
Shank hex. 28 mm (1 1/8") × 159 mm (6 1/4"). 25 mm (1") thread.						
2700	8' 10 1/4"	90510068	502-2127-C,02	90000378	9150-08	11,3

Magnum SR28 thread system



Drill bit design



Please note text on page 22 re. finished hole size.

Drill bit

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Buttons angle°		Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre	Gauge	Centre	Side	Centre	
BUTTON BIT - Spherical buttons											
33	1 5/16	90514200	125-5033-17,39-20	7	5×7	2×7	35°	–	1	1	0,5
33	1 5/16	90514117	125-5033-41,39-20	7	5×8	2×7	40°	15°	1	1	0,4
35	1 3/8	90514322	125-5035-27,39-20	7	5×9	2×7	25°	10°	1	1	0,5
37	1 5/32	90514167	125-5037-99,39-20	7	5×9	2×7	35°	15°	1	1	0,5
38	1 1/2	90514282	125-5038-27,39-20	7	5×9	2×7	30°	–	1	1	0,6
41	1 5/8	90515379	125-5041-27,39-20	7	5×9	2×8	40°	–	1	1	0,7
45	1 3/4	90514507	125-5045-27,39-20	7	5×11	2×8	30°	–	2	1	0,8
BUTTON BIT - Ballistic buttons											
33	1 5/16	90514137	125-5033-41-67,39-20	7	5×8	2×7	40°	15°	1	1	0,4
35	1 3/8	90514102	125-5035-27-67,39-20	7	5×9	2×7	25°	10°	1	1	0,4
38	1 1/2	90516334	125-5038-41-67,39-20	7	5×9	2×8	40°	20°	1	1	0,5
41	1 5/8	90516383	125-5041-37-67,39-20	9	6×9	3×7	40°	–	–	3	0,5
45	1 3/4	90516422	125-5045-37-67,39-20	9	6×9	3×8	40°	–	–	3	0,7
CROSS-TYPE BIT				Insert							
				Width (mm)		Height (mm)					
33	1 5/16	90514429	125-7033-44,20-17	10,3		19,5		2	1	0,5	

Drifter rod

SR28 (1 1/8")

Hex. 28 mm (1 1/8")

R32 (1 1/4")



Fully carburized. Rod section 32 mm.



Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 5/8"	90514162	225-0421-03-C,02	10,4
2300	7'6 7/8"	90514163	225-0423-03-C,02	11,4
2400	7'10 1/2"	90514370	225-0424-03-C,02	12,2
2600	8'6 3/8"	90514153	225-0426-03-C,02	12,9
2675	8'9 3/8"	90514103	225-0427-03-91-C,02	13,3
2800	9'2 1/4"	90514164	225-0428-03-C,02	14,3
2950	9'8 1/8"	90514371	225-0430-03-91-C,02	14,9
3090	10'1 5/8"	90514168	225-0431-03-C,02	15,8

SR28 (1 1/8")

Hex. 25 mm (1")

SR28 (1 1/8")

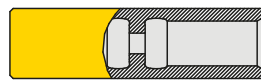


Speedrod, fully carburized. D = 34 mm. Rod section 28,5 mm.



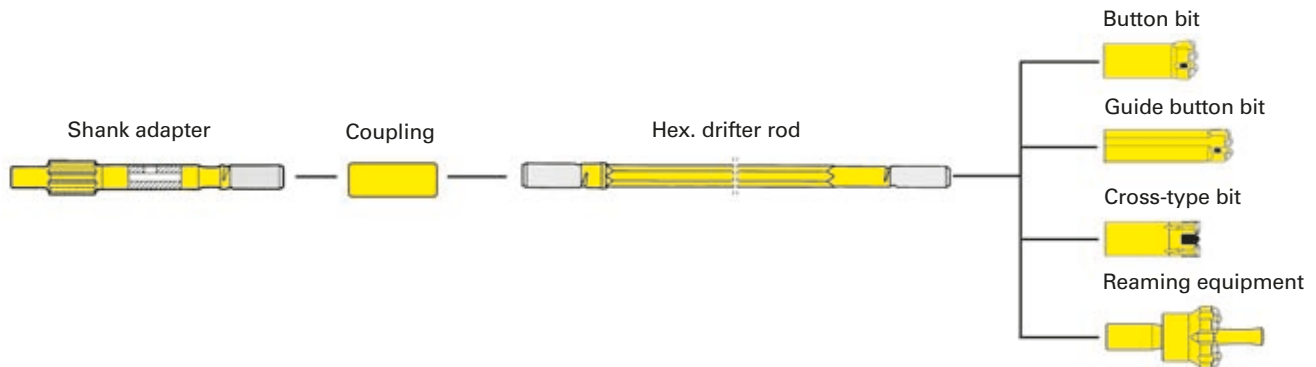
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3050	10	90516350	225-0331-69-MF-C,02	12,1

Coupling

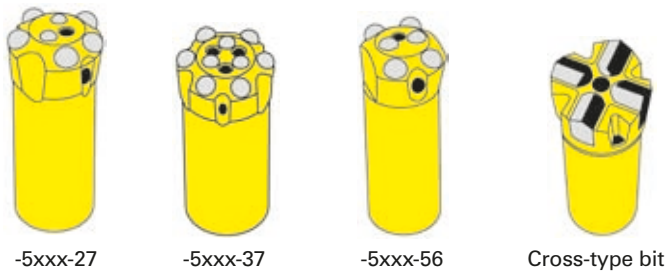


Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
32	1 1/4	44	1 23/32	155	6 1/8	90515731	303-0044,10	1,0
32	1 1/4	44	1 23/32	160	6 5/16	90515732	303-0044-57,10	1,2



Drill bit design



Please note text on page 22 re. finished hole size.

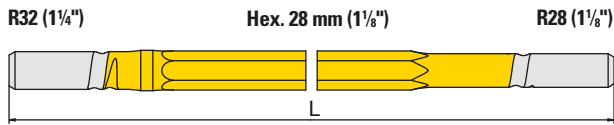
Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
37	1 5/32	90505296	107-5037-27,39-20	7	5×9	2×7	30°	1	1	0,5
38	1 1/2	90505177	107-5038-27,39-20	7	5×9	2×7	30°	1	1	0,6
38	1 1/2	90510216	107-5038-56,39-20	6	4×9	2×8	30°	2	1	0,6
41	1 5/8	90505173	107-5041-27,39-20	7	5×9	2×8	35°	1	1	0,7
43	1 11/16	90505169	107-5043-27,39-20	7	5×9	2×9	35°	2	1	0,7
45	1 3/4	90509467	107-5045-37,39-20	9	6×9	3×8	35°	1	3	0,8
BUTTON BIT- Ballistic buttons										
38	1 1/2	90505178	107-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,6
41	1 5/8	90505174	107-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,7
CROSS-TYPE BIT				Insert						
				Width (mm)	Height (mm)					
38	1 1/2	90514249	107-7038-44,20-17	10,3	19,5		1	1	0,6	
41	1 5/8	90514234	107-7041-44,20-17	11,1	20,0		4	1	0,8	
45	1 3/4	90514252	107-7045-44,20-17	11,1	20,0		4	1	0,9	

R28 (1 1/8")

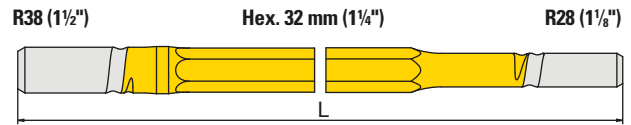
Drifting and tunnelling

Drifter rod



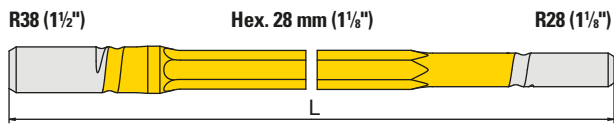
Fully carburized. Rod section 32 mm.

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2400	7'10 1/2"	90500951	207-0424-03-C,02	11,9
2600	8'6 3/8"	90502257	207-0426-03-C,02	13,6
2750	9'1/4"	90509861	207-0428-03-91-C,02	14,4
3700	12'1 5/8"	90500410	207-0437-03-C,02	18,5
4000	13'1 1/2"	90002713	207-0440-03-C,02	20,5
4310	14'1 5/8"	90500445	207-0443-03-C,02	21,5



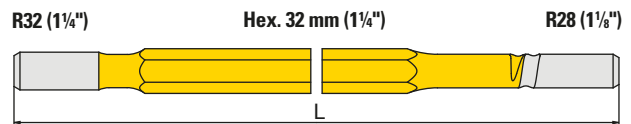
Fully carburized. Rod section 35,8 mm.

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3700	12'1 5/8"	90503041	207-0537-04-C,02	23,5
4310	14'1 5/8"	90502357	207-0543-04-C,02	27,3



Fully carburized. Rod section 32 mm.

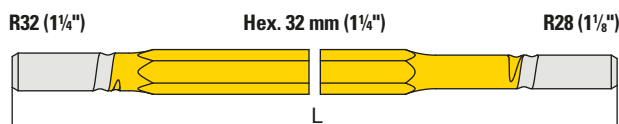
Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2475	8'1 1/2"	90505270	207-0424-04-91-C,02	13,0
4310	14'1 5/8"	90570055	207-0443-04-C,02	22,0



With slimmed shank end for female shank adapters.

Fully carburized. Rod section 35,8 mm.

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4000	13'1 1/2"	90503345	207-0540-03-78-C,02	25,6
4310	14'1 5/8"	90503346	207-0543-03-78-C,02	27,5



Fully carburized. Rod section 35,8 mm.

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3090	10'1 5/8"	90502740	207-0531-03-C,02	19,7

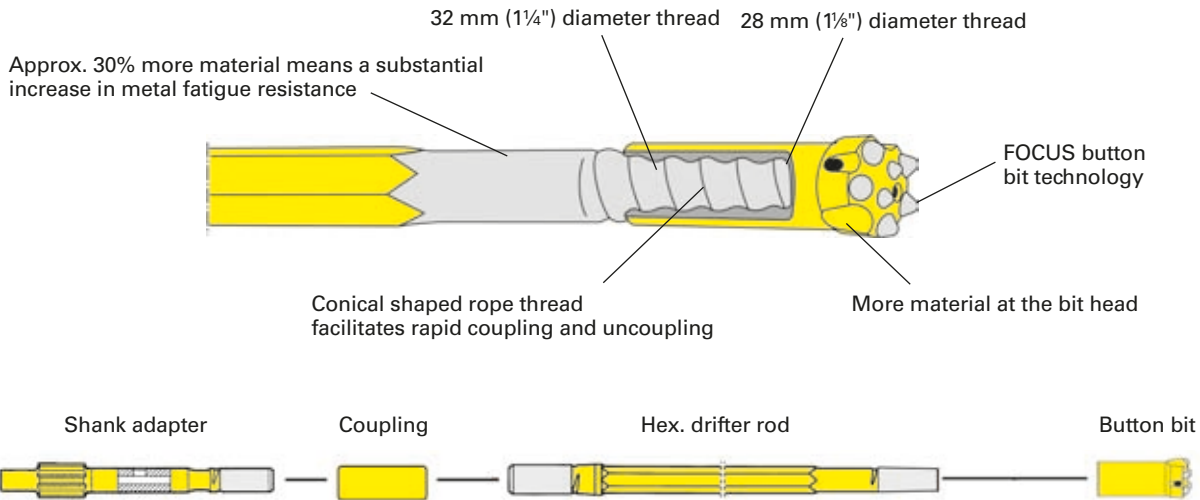
Coupling



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
32	1 1/4	44	1 23/32	155	6 1/8	90515731	303-0044,10	1,0
32	1 1/4	44	1 23/32	160	6 5/16	90515732	303-0044-57,10	1,2
38	1 1/2	55	2 5/32	170	6 3/4	90515733	304-0055,10	1,7
38	1 1/2	55	2 5/32	180	7 1/8	90515734	304-0055-57,10	1,9

Magnum SR32 thread system



Drill bit design

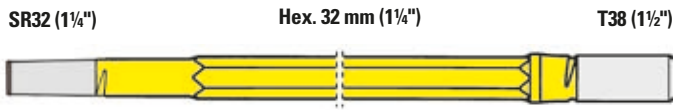


Please note text on page 22 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
43	1 1/16	90514754	126-5043-27,39-20	7	5×9	2×9	35°	2	1	0,7
45	1 3/4	90514795	126-5045-27,39-20	7	5×11	2×8	30°	2	1	0,6
51	2	90514503	126-6051,49-20	9	6×10	3×9	35°	-	3	0,9
BUTTON BIT - Ballistic buttons										
38	1 1/2	90514501	126-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,5
41	1 5/8	90514728	126-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,7
45	1 3/4	90514953	126-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,7

Drifter rod



Fully carburized. Rod section 35,8 mm. 

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3100	10'2"	90514504	226-0531-35-C,02	19,7
3700	12'1½"	90514727	226-0537-35-C,02	23,6
4300	14'1¼"	90514505	226-0543-35-C,02	27,5

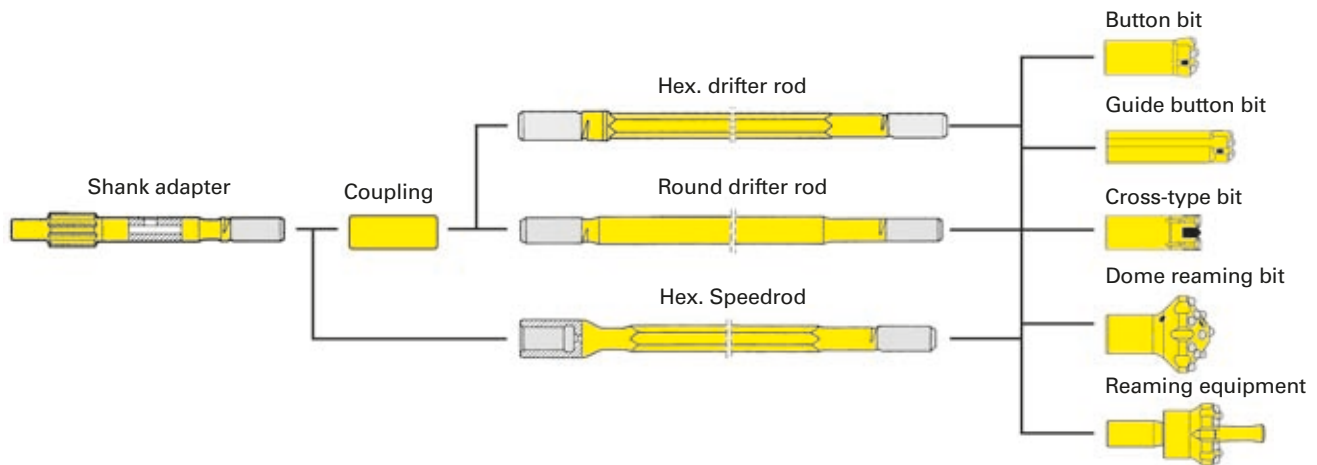
Coupling



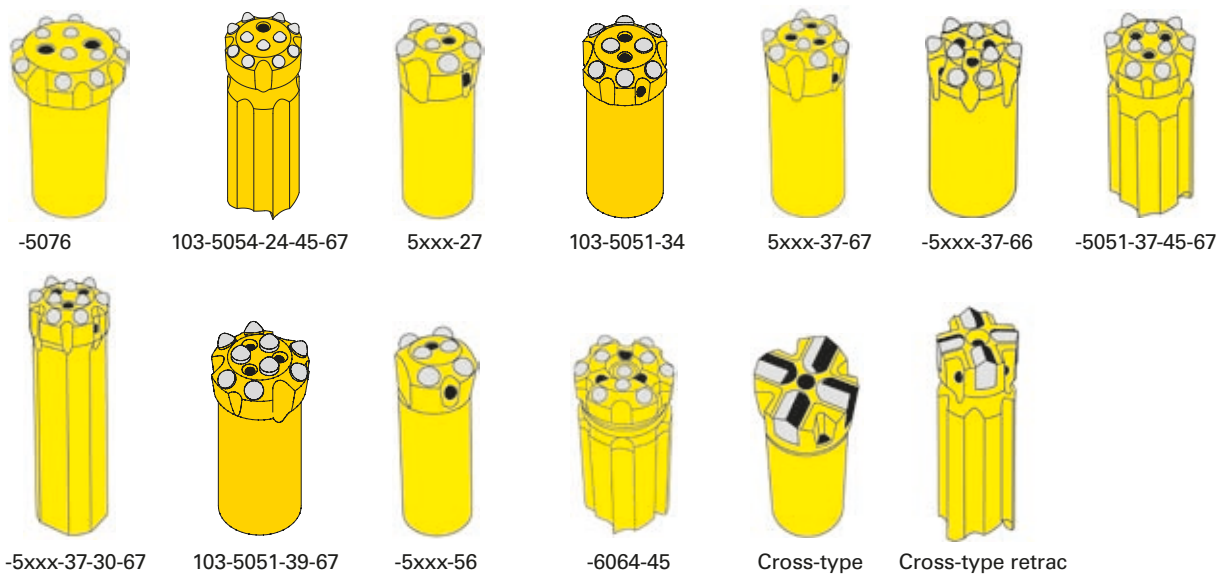
Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		Rope thread	T thread	
32	1¼	44	1 ²³ / ₃₂	150	5 ⁷ / ₈	90515731	303-0044,10		1,0
32	1¼	44	1 ²³ / ₃₂	160	6 ⁵ / ₁₆	90515732	303-0044-57,10		1,0
38	1½	52	2 ¹ / ₁₆	170	6¾	90515736		335-0052,10*	1,5
38	1½	55	2 ⁵ / ₃₂	170	6¾	90515733	304-0055,10		1,7
38	1½	55	2 ⁵ / ₃₂	170	6¾	90515737		335-0055,10	1,9
38	1½	55	2 ⁵ / ₃₂	180	7 ¹ / ₈	90515734	304-0055-57,10		1,9
38	1½	55	2 ⁵ / ₃₂	180	7 ¹ / ₈	90515738		335-0055-57,10	1,9

* Recommended for high frequency drifters.



Drill bit design



Please note text on page 22 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
41	1 5/8	90505171	103-5041-27,39-20	7	5×9	2×8	35°	1	1	0,8
41	1 5/8	90510209	103-5041-56,39-20	6	4×9	2×9	35°	2	1	0,6
43	1 11/16	90505164	103-5043-27,39-20	7	5×9	2×9	35°	2	1	0,7
43	1 11/16	90514717	103-5043-37,39-20	9	6×9	3×8	40°	1	3	0,8
45	1 3/4	90504373	103-5045-27,39-20	7	5×11	2×8	30°	2	1	0,8
45	1 3/4	90509457	103-5045-37,39-20	9	6×9	3×8	35°	1	3	0,8
45	1 3/4	90504401	103-5045-39,39-20	9	6×10	3×8	30°	1	3	0,8
48	1 7/8	90504374	103-5048-27,39-20	7	5×11	2×9	35°	2	1	1,0
48	1 7/8	90509461	103-5048-37,39-20	9	6×10	3×8	40°	1	3	0,9
51	2	90504566	103-5051-27,39-20	7	5×11	2×10	35°	2	1	1,0
51	2	90510451	103-5051-34,39-20	8	6×10	2×10	40°	2	2	1,0
51	2	90509465	103-5051-37,39-20	9	6×10	3×9	40°	1	3	1,0
51	2	90510302	103-6051,49-20	9	6×10	3×9	30°	-	3	1,0

Cont. next page

Diameter		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	
BUTTON BIT - Spherical buttons										
51	2	90510308	103-6051-45,49-20	9	6×10	3×9	30°	–	3	1,2
57	2¼	90510453	103-5057-20,39-20	9	6×11	3×9	35°	–	3	1,1
64	2½	90510303	103-5064,49-20	12	8×10	4 ×10	40°	–	2	1,5
64	2½	90510381	103-5064-45,49-20	12	8×10	4 ×10	40°	–	2	2,2
64	2½	90510328	103-6064,49-20	10	6×11	3×10, 1×10	35°	–	3	1,5
64	2½	90510364	103-6064-45,49-20	10	6×11	3×10, 1×10	35°	–	3	2,2
76	3	90510353	103-5076,49-20	12	8×11	4×11	40°	–	2	1,8
76	3	90510504	103-6076-45,49-20	13	8×11	4×11, 1×11	35°	1	4	3,5
BUTTON BIT - Ballistic buttons										
41	1⅝	90505172	103-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,7
43	1⅞	90505168	103-5043-27-67,39-20	7	5×9	2×9	40°	2	1	0,7
43	1⅞	90510769	103-5043-37-67,39-20	9	6×8	3×8	40°	1	3	0,7
45	1¾	90512011	103-5045-27-67,39-20	7	5×11	2×8	30°	2	1	0,8
45	1¾	90510275	103-5045-34-67,39-20	8	6×9	2×9	40°	2	2	0,8
45	1¾	90509460	103-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,8
48	1⅞	90509464	103-5048-37-67,39-20	9	6×10	3×9	40°	1	3	0,9
48	1⅞	90509463	103-5048-37-30-67,39-20	9	6×10	3×8	25°	1	3	1,2
51	2	90509466	103-5051-37-67,39-20	9	6×10	3×9	40°	1	3	1,0
51	2	90510836	103-5051-37-45-67,39-20	9	6×10	3×9	40°	1	3	1,1
51	2	90514764	103-5051-39-67,39-20	9	6×10	3×10	35°	–	3	1,0
51	2	90514633	103-6051-45-67,49-20	9	6×10	3×9	35°	–	3	1,2
54	2⅞	90510795	103-5054-24-45-67,39-20	11	8×9	3×9	35°	2	1	1,4
54	2⅞	90509481	103-5054-37-67,39-20	9	6×10	3×9	40°	1	3	1,0
64	2½	90510327	103-5064-67,49-20	12	8×10	4×10	40°	–	2	1,6
BUTTON BIT - Full-ballistic buttons (Soft rock bit)										
45	1¾	90514771	103-5045-34-66,39-20	8	6×9	2×9	40°	2	–	0,8
45	1¾	90514111	103-5045-37-66,39-20	9	6×9	3×8	40°	1	3	0,8
48	1⅞	90514714	103-5048-34-66,39-20	8	6×9	2×9	40°	2	–	0,8
48	1⅞	90514135	103-5048-37-66,39-20	9	6×9	3×9	40°	1	3	0,8
51	2	90514715	103-5051-34-66,39-20	8	6×10	2×10	40°	–	2	0,9
51	2	90514136	103-5051-37-66,39-20	9	6×10	3×9	40°	1	3	0,8
57	2¼	90514440	103-5057-37-66,39-20	9	6×10	3×10	40°	1	3	1,1
CROSS-TYPE BIT					Insert					
					Width (mm)	Height (mm)				
43	1⅞	90514246	103-7043-44,20-17		11,1	20,0		2	1	0,8
45	1¾	90514235	103-7045-44,20-17		11,1	20,0		4	1	0,9
48	1⅞	90510658	103-7048-38,02-17		14,0	22,0		4	1	0,9
51	2	90514248	103-7051-38,02-17		14,0	22,0		4	1	1,2
51	2	90510551	103-7051-38-45,02-17		14,0	22,0		4	1	1,7
57	2¼	90514239	103-7057,02-17		10,3	19,5		4	1	1,3
64	2½	90001719	103-7064,08-17		10,3	19,5		4	1	1,4

Drifter rod

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




Fully carburized. Rod section 35,8 mm. 

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
2400	7'10½"	90590025	203-0524-04-C,02		15,3
2700	8'10¼"	90509478	203-0527-04-C,02		17,2
3090	10'1⅝"	90003070	203-0531-04-C,02		19,8
3090	10'1⅝"	90500107		203-0531-35-C,02	19,8
3400	11'1⅞"	90505189		203-0534-35-C,02	22,0
3700	12'1⅝"	90002720	203-0537-04-C,02		23,6
3700	12'1⅝"	90590043		203-0537-35-C,02	23,6
4000	13'1½"	90531063	203-0540-04-C,02		26,0
4310	14'1⅝"	90002693	203-0543-04-C,02		27,5
4310	14'1⅝"	90500213		203-0543-35-C,02	27,5
4920	16'1¾"	90002694	203-0549-04-C,02		31,4
4920	16'1¾"	90500046		203-0549-35-C,02	31,3
5530	18'1¾"	90002695	203-0555-04-C,02		34,8

R32 (1¼") Hex. 32 mm (1¼") R38 (1½")



Double thread, fully carburized. Rod section 35,8 mm. 

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
4310	14'1⅝"	90002718	203-0543-04-95-C,02		27,5

R32 (1¼")

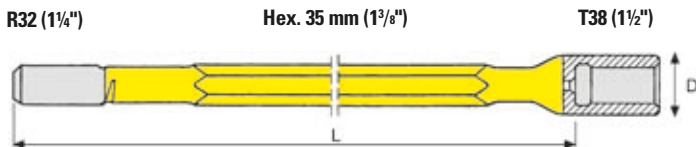
Drifting and tunnelling

R32 (1¼") Hex. 35 mm (1⅜") R/T38 (1½")



Fully carburized. Rod section 39,3 mm.

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
3090	10'1⅝"	90502129	203-0631-04-C,02		24,0
3090	10'1⅝"	90504392		203-0631-35-C,02	24,0
3600	11'9¾"	90510484		203-0636-35-C,02	28,3
3700	12'1⅝"	90501015	203-0637-04-C,02		28,7
3700	12'1⅝"	90502308		203-0637-35-C,02	28,7
4000	13'1½"	90502995	203-0640-04-C,02		31,2
4310	14'1⅝"	90002966	203-0643-04-C,02		33,7
4310	14'1⅝"	90500862		203-0643-35-C,02	33,6
4500	14'9⅞"	90504182	203-0645-04-C,02		34,9
4500	14'9⅞"	90504966		203-0645-35-C,02	34,9
4920	16'1¾"	90002964	203-0649-04-C,02		38,2
4920	16'1¾"	90502235		203-0649-35-C,02	38,3
5530	18'1¾"	90002965	203-0655-04-C,02		43,1
5530	18'1¾"	90502616		203-0655-35-C,02	43,2
6100	20'1⅞"	90509664	203-0661-04-C,02		47,6
6100	20'1⅞"	90503854		203-0661-35-C,02	47,7



Speedrod, fully carburized. D = 57 mm. Rod section 39,3 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
4310	14'1⅝"	90503663		203-0643-35-MF-C,02	34,7
4920	16'1¾"	90503563		203-0649-35-MF-C,02	39,6
5530	18'1¾"	90503940		203-0655-35-MF-C,02	43,0
6400	21'	90504708		203-0664-35-MF-C,02	51,0

Coupling

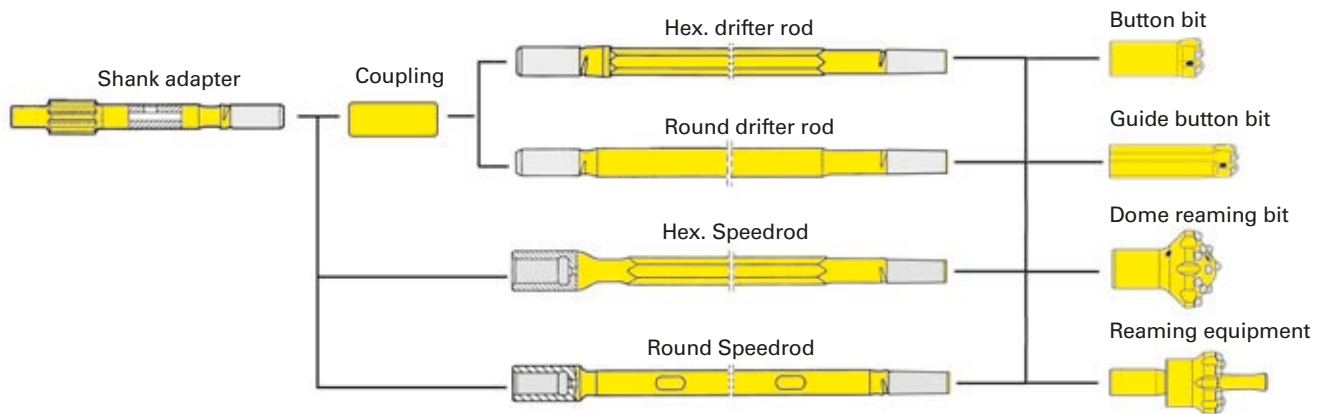
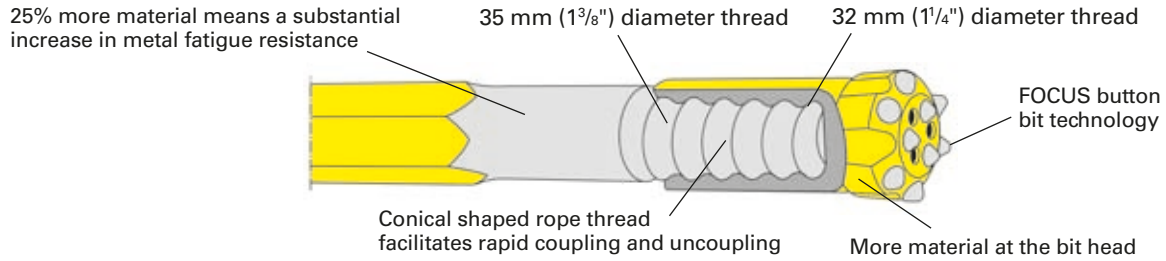


Full bridge -57.

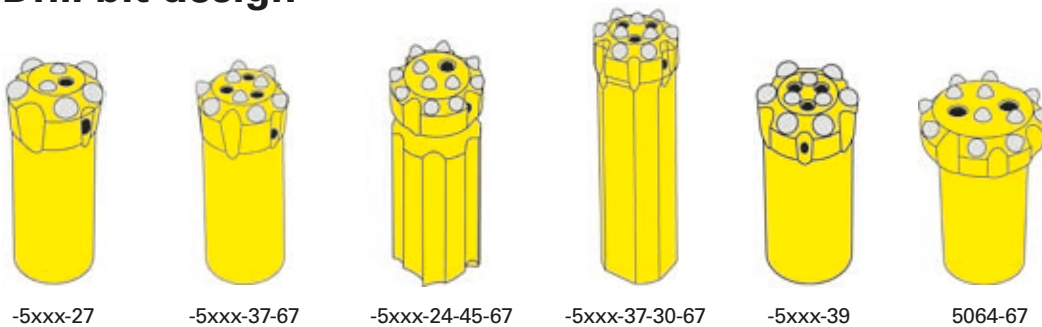
Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		Rope thread	T thread	
38	1½	52	2¼ ₁₆	170	6¾	90515736		335-0052,10*	1,5
38	1½	55	2 ⁵ / ₃₂	170	6¾	90515733	304-0055,10		1,9
38	1½	55	2 ⁵ / ₃₂	170	6¾	90515737		335-0055,10	1,9
38	1½	55	2 ⁵ / ₃₂	180	7⅛	90515734	304-0055-57,10		1,9
38	1½	55	2 ⁵ / ₃₂	180	7⅛	90515738		335-0055-57,10	1,9

* Recommended for high frequency drifters.

Magnum SR35 thread system



Drill bit design



Please note text on page 22 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
43	1 ¹¹ / ₁₆	90513844	128-5043-27,39-20	7	5×9	2×9	35°	2	2	0,7
45	1 ³ / ₄	90513841	128-5045-39,39-20	9	6×10	3×8	30°	1	3	0,8
48	1 ⁷ / ₈	90514150	128-5048-39,39-20	9	6×11	3×8	35°	1	3	0,9
BUTTON BIT - Ballistic buttons										
45	1 ³ / ₄	90513839	128-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,7
45	1 ³ / ₄	90513846	128-5045-37-30-67,39-20	9	6×9	3×8	40°	1	3	1,0
45	1 ³ / ₄	90514720	128-5045-39-67,39-20	9	6×10	3×8	35°	1	3	0,8
48	1 ⁷ / ₈	90513843	128-5048-37-67,39-20	9	6×10	3×9	40°	1	3	0,8
48	1 ⁷ / ₈	90514029	128-5048-37-30-67,39-20	9	6×10	3×8	40°	1	3	1,1
51	2	90513842	128-5051-37-67,39-20	9	6×10	3×9	40°	1	3	0,9
54	2 ¹ / ₈	90514220	128-5054-24-45-67,39-20*	11	8×9	3×9	35°	2	1	1,8
54	2 ¹ / ₈	90513871	128-5054-37-67,39-20	9	6×10	3×9	40°	1	3	1,0
64	2 ¹ / ₂	90513870	128-5064-67,49-20	12	8×10	4×10	40°	–	2	1,6

* Reversed flushing.

Drifter rod

SR35 (1³/₈"

Hex. 35 mm (1³/₈"

RT38 (1¹/₂"

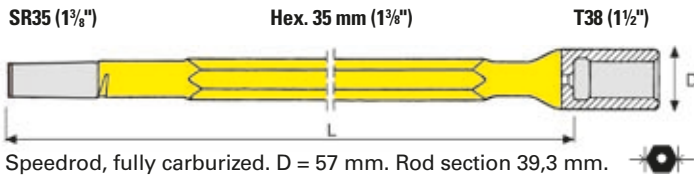


Fully carburized. Rod section 39,3 mm. 

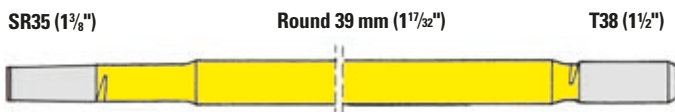
Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
2670	8'9 ¹ / ₈ "	90514159		228-0627-35-91-C,02	21,0
3090	10'1 ⁵ / ₈ "	90513854	228-0631-04-C,02		24,0
3150	10'4"	90514160		228-0632-35-91-C,02	24,5
3700	12'1 ⁵ / ₈ "	90513855	228-0637-04-C,02		29,1
3700	12'1 ⁵ / ₈ "	90513856		228-0637-35-C,02	28,8
4310	14'1 ⁵ / ₈ "	90513857	228-0643-04-C,02		33,6
4310	14'1 ⁵ / ₈ "	90513858		228-0643-35-C,02	33,7
4920	16'1 ³ / ₄ "	90513859	228-0649-04-C,02		38,4
4920	16'1 ³ / ₄ "	90513860		228-0649-35-C,02	38,4
5530	18'1 ³ / ₄ "	90513861		228-0655-35-C,02	42,4
6400	21'	90514140		228-0664-35-C,02	49,7

SR35 (1 3/8")

Drifting and tunnelling

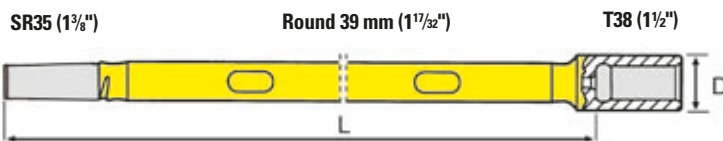


Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
3700	12' 1 5/8"	90514641		228-0637-35-MF-C,02	28,9
4310	14' 1 5/8"	90514124		228-0643-35-MF-C,02	34,1
4920	16' 1 3/4"	90514280		228-0649-35-MF-C,02	38,8



Fully carburized.

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
5530	18' 1 3/4"	90513864		228-2855-35-C,02	47,6
6100	20' 1/8"	90514637		228-2861-35-C,02	52,1



Speedrod, fully carburized. D = 57 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		Rope thread	T thread	
5530	18' 1 3/4"	90513853		228-2855-35-MF-C,02	46,9

Coupling



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		Rope thread	T thread	
38	1 1/2	52	2 1/16	170	6 3/4	90515736		335-0052,10*	1,5
38	1 1/2	55	2 5/32	170	6 3/4	90515733	304-0055,10		1,9
38	1 1/2	55	2 5/32	170	6 3/4	90515737		335-0055,10	1,9
38	1 1/2	55	2 5/32	180	7 1/8	90515734	304-0055-57,10		1,9
38	1 1/2	55	2 5/32	180	7 1/8	90515738		335-0055-57,10	1,9

* Recommended for high frequency drifters.

Drifting and tunnelling

SR28 (1¹/₈"), SR32 (1¹/₄"), R32 (1¹/₄"), SR35 (1³/₈")

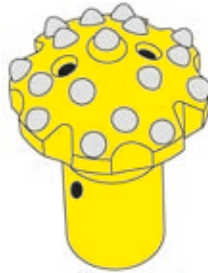
Dome bits for reaming



-5076-42-24-67



-5089-42-24



-5102-42-24-67



-5127-42-24

Please note text on page 22 re. finished hole size.

Thread		Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle	Flushing hole		Weight approx. kg
mm	inch	mm	inch				Gauge	Centre		Side	Centre	
DOME BIT - Spherical buttons												
SR28	1 ¹ / ₈	76	3	90515258	125-5076-42-24,49-20	10	9×12,7	1×12,7	35°	–	3	2,1
SR32	1 ¹ / ₄	102	4	90515257	126-5102-42-24,49-20	17	16×12,7	1×12,7	35°	2	2	3,2
R32	1 ¹ / ₄	76	3	90514373	103-5076-42-24,49-20	10	9×12,7	1×12,7	35°	1	3	2,0
R32	1 ¹ / ₄	89	3 ¹ / ₂	90510843	103-5089-42-24,49-20	15	14×12,7	1×12,7	35°	2	2	2,5
R32	1 ¹ / ₄	127	5	90513779	103-5127-42-24,49-20	19	18×12,7	1×12,7	35°	1	3	4,8
SR35	1 ³ / ₈	89	3 ¹ / ₂	90513848	128-5089-42-24,49-20	15	14×12,7	1×12,7	35°	2	2	2,5
SR35	1 ³ / ₈	102	4	90513850	128-5102-42-24,49-20	17	16×12,7	1×12,7	35°	2	2	3,1
SR35	1 ³ / ₈	127	5	90514219	128-5127-42-24,49-20	19	18×12,7	1×12,7	35°	1	3	4,8
DOME BIT - Ballistic buttons												
SR32	1 ¹ / ₄	76	3	90514502	126-5076-42-24-67,49-20	10	9×12,7	1×12,7	35°	1	3	2,0
R32	1 ¹ / ₄	76	3	90510821	103-5076-42-24-67,49-20	10	9×12,7	1×12,7	35°	1	3	2,0
R32	1 ¹ / ₄	89	3 ¹ / ₂	90510820	103-5089-42-24-67,49-20	15	14×12,7	1×12,7	35°	2	2	2,5
R32	1 ¹ / ₄	102	4	90510781	103-5102-42-24-67,49-20	17	16×12,7	1×12,7	35°	2	2	3,2
SR35	1 ³ / ₈	89	3 ¹ / ₂	90513849	128-5089-42-24-67,49-20	15	14×12,7	1×12,7	35°	2	2	2,5
SR35	1 ³ / ₈	102	4	90513851	128-5102-42-24-67,49-20	17	16×12,7	1×12,7	35°	2	2	3,1

**Hex. 22 mm (7/8"), R25 (1"), R28 (1 1/8"), SR32 (1 1/4"),
R32 (1 1/4"), SR35 (1 3/8")**

Reaming equipment

Drill bit, 6° taper



Reaming button bit for
22 mm (7/8") pilot rod and
25 mm (1"), 28 mm (1 1/8"),
32 mm (1 1/4") pilot adapter.

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Weight approx. kg
mm	inch				Gauge	Centre		
64	2 1/2	90510459	175-5064,39-20	10	8×10	2×9	35°	0,8
76	3	90510460	175-5076,39-20	10	8×11	2×11	35°	1,2
89	3 1/2	90510461	175-5089,39-20	12	8×11	4×11	35°	1,7

Pilot rod, 6° taper



22 mm (7/8") hex. Shank length 108 mm (4 1/4").

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
800	2'7 1/2"	90000296	575-3108,11-17	3,3
1200	3'11 1/4"	90000297	575-3112,11-17	4,5
1600	5'3"	90000298	575-3116,11-17	5,6
2000	6'6 3/4"	90000300	575-3120,11-17	7,0
2400	7'10 1/2"	90000301	575-3124,11-17	8,2

Pilot adapter, 6° taper



For 64, 76 and 89 mm reaming button bits.

Thread		Diameter		Pilot hole mm	Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch				
25	1	26	1 1/32	36	90550018	502-2303,00-17	1,3
28	1 1/8	26	1 1/32	36	90002958	507-2503,00-17	1,5
32	1 1/4	26	1 1/32	36	90000392	503-2603,00-17	1,5
SR32	1 1/4	26	1 1/32	36	90514500	526-2603,00-17	1,4

Drifting and tunnelling

Hex. 22 mm (7/8"), R25 (1"), R28 (1 1/8"), SR32 (1 1/4"),
R32 (1 1/4"), SR35 (1 3/8")

Reaming equipment

Drill bit, 12° taper



Reaming button bit for
28 mm (1 1/8"),
32 mm (1 1/4") and
35 mm (1 3/8") pilot adapter.

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Weight approx. kg
mm	inch				Gauge	Centre		
89	3 1/2	90510174	187-5089-20,39-20	12	8×12,7	4×10	35°	1,8
102	4	90510468	187-5102,39-20	12	8×11	4×11	35°	2,0
102	4	90510469	187-5102-20,39-20	12	8×12,7	4×12,7	35°	2,1
127	5	90510470	187-5127,39-20	20	12×12,7	8×12,7	35°	4,0

Pilot adapter, 12° taper (with insert)



For 89, 102 and 127 mm reaming button bits.

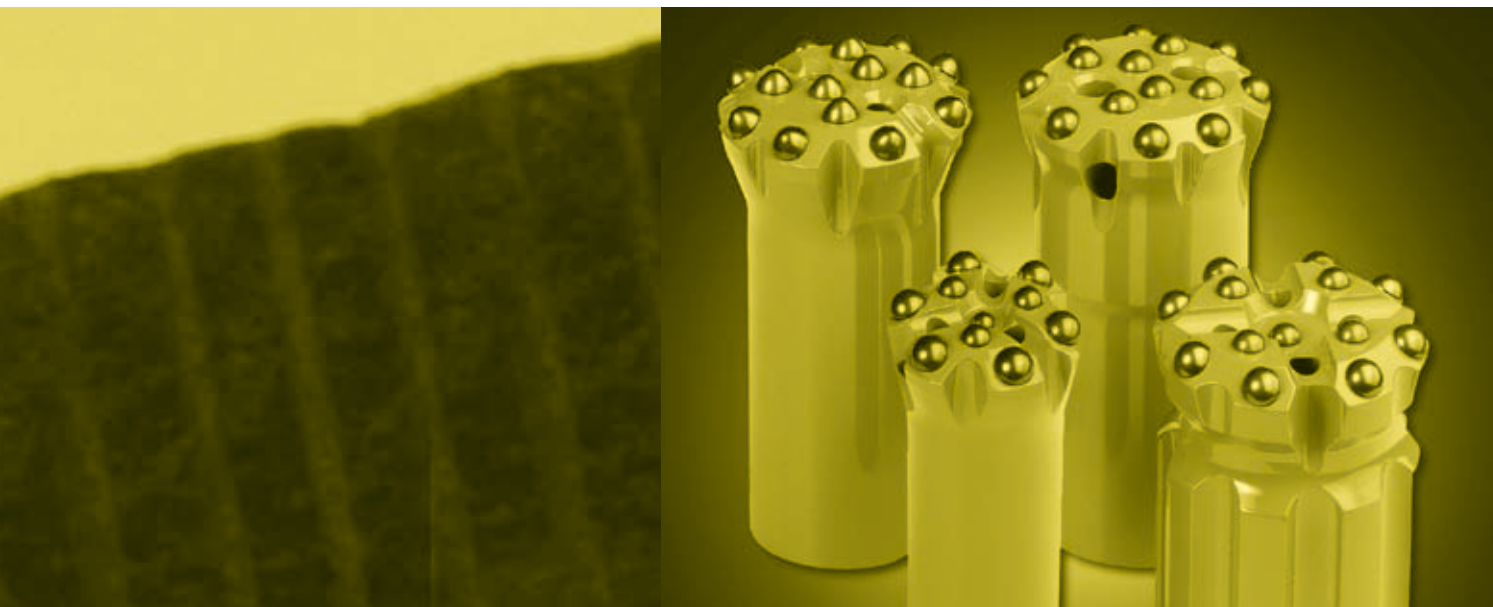
Thread		Diameter		Pilot hole mm	Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch				
28	1 1/8	36	1 13/32	38-48	90516254	507-7802,02-17	2,2
32	1 1/4	40	1 1/16	41-48	90002333	503-7802,00-17	2,2
SR35	1 3/8	40	1 1/16	45-51	90516262	528-7802,02-17	2,3

Pilot adapter, 12° taper



For 89, 102 and 127 mm reaming button bits.

Thread		Diameter		Pilot hole mm	Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch				
32	1 1/4	-	-	41-48	90503472	503-7902,00	2,1

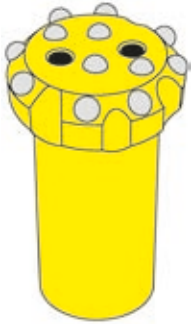


Bench and production drilling

Drill bit design	44
R25 (1"	46
Magnum SR28 (1¹/₈"	49
R28 (1¹/₈"	51
R32 (1¹/₄"	53
R/T38 (1¹/₂"	57
T45 (1³/₄"	62
T51 (2"	66
T60 (2³/₈"	69
Tube drilling system (TDS)	71

Bench and production drilling

Drill bit design



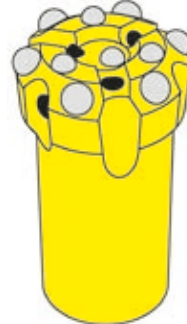
-5076

Flat front bit with spherical buttons. Standard skirt.
Ideal for medium-hard rock when the rock formation causes heavy gauge wear on the bit. Can also be used in very hard and abrasive rock formations.



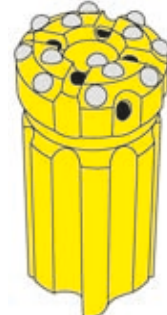
-5076-45

Flat front bit with spherical buttons. Retractable skirt.
To be used in the same applications as -5076 when you have rock formations that also create hole deviations.



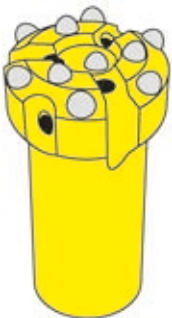
-6076

Drop centre bit with spherical buttons. Standard skirt.
Perfect in slightly more abrasive formations where there is accelerated button wear or in medium to hard rock when ballistic buttons have a tendency to break.



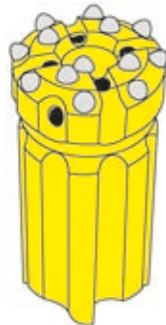
-6076-45

Drop centre bit with spherical buttons. Retractable skirt.
Use in the same applications as -6076 when you have rock formations that also create hole deviations.



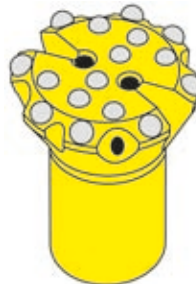
-6076-67

Drop centre bit with ballistic buttons. Standard skirt.
Designed for medium-hard rock. Bits with ballistic buttons perform especially well in non-abrasive or medium abrasive rock formations.



-6076-45-67

Drop centre bit with ballistic buttons. Retractable skirt.
To be used in the same applications as -6076-67 when you have rock formations that also create hole deviations.

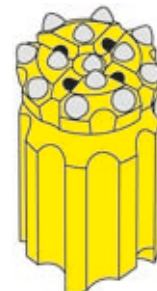


-5127-21

Model -21, a heavy duty bit with larger gauge buttons. Flat or drop centre front. Retractable or standard skirt. Ballistic or spherical buttons.
A new bit design for hard to very hard abrasive rock. The asymmetrical button pattern gives excellent rock crushing. A shorter head and larger clearing angle allow for better flushing of cuttings.
Model -20 is used for the same applications.



-6089-21-67



-6076-21-45-67

- **5** XXX
Flat face button bit

- **6** XXX
Drop centre button bit

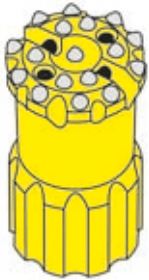
-XXXX- **67**
Ballistic buttons

-XXXX- **66**
Full-ballistic buttons

-XXXX- **45**
Retrac skirt

Please observe that all button bits are manufactured oversized 1,0–1,5 mm, meaning that for example a 45,0 mm bit is at least 46,0 mm as new and a 89,0 mm bit 90,0 mm. This is done because of the fast initial wear on button bits.
When it is of importance, also consider that the hole is always 1,0–3,0 mm bigger than the bit dimension depending on rock formation.

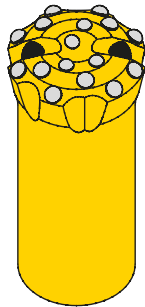
Bench and production drilling



-6089-35-67

**Model -35
Guide bit for the TDS tube
drilling system.**

Model -35 guide bit should be used in rock formations that create hole deviations.



-6102-41

**Model -41
Standard bit for T60 system.**

This new bit design for T60 system with spherical buttons is created for drilling in very hard and abrasive rock formations. The flushing is concentrated to the front of the bit to get maximal flushing capacity.



Soft rock bit -66

Full-ballistic button bit.

The two types of full-ballistic button bits, model 5xxx-47-66 and model 6xxx-21-66 are developed specially for drilling in soft formations.

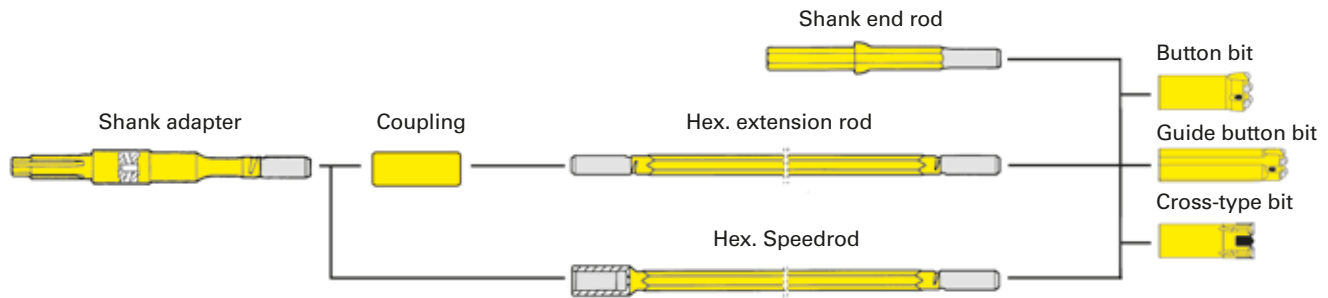
The penetration rate is very fast due to the high button protrusion. Excellent flushing concentrated to the front.



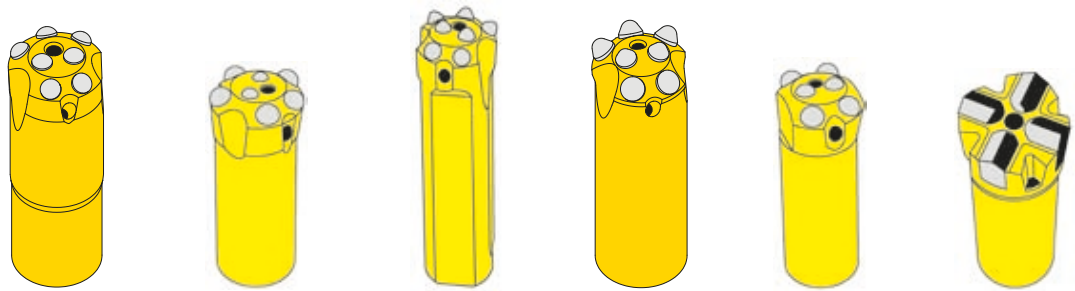
Insert bits

Cross- and X-type bits.

Traditional chisel bits in cross- and X-type formations for extremely abrasive rock. Ideal for soft formations that cause snakeskin problems for carbide. Produce straight holes. X-type bits are used for larger hole dimensions.



Drill bit design



102-5033-17

-5xxx-27

-5xxx-27-30-67

102-5033-41-67

-5xxx-56

Cross-type bit

Please note text on page 44 re. finished hole size.

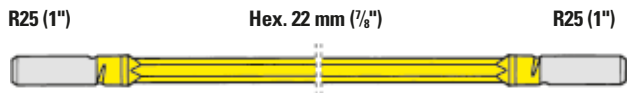
Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
33	1 ⁵ / ₁₆	90510448	102-5033-17,39-20	7	5×7	2×7	35°	1	1	0,4
35	1 ³ / ₈	90505181	102-5035-27,39-20	7	5×9	2×7	25°	1	1	0,5
37	1 ⁵ / ₃₂	90505295	102-5037-27,39-20	7	5×9	2×7	30°	1	1	0,6
38	1 ¹ / ₂	90505179	102-5038-27,39-20	7	5×9	2×7	30°	1	1	0,6
41	1 ⁵ / ₈	90505175	102-5041-27,39-20	7	5×9	2×8	35°	1	1	0,6
41	1 ⁵ / ₈	90510207	102-5041-56,39-20	6	4×9	2×9	35°	2	1	0,6
45	1 ³ / ₄	90505145	102-5045-27,39-20	7	5×11	2×8	30°	2	1	0,7
45	1 ³ / ₄	90510208	102-5045-56,39-20	6	4×11	2×9	35°	2	1	0,6
51	2	90505353	102-5051-27,39-20	7	5×11	2×10	35°	2	1	1,0
BUTTON BIT - Ballistic buttons										
33	1 ⁵ / ₁₆	90510274	102-5033-17-67,39-20	7	5×7	2×7	35°	1	1	0,4
33	1 ⁵ / ₁₆	90514118	102-5033-41-67,39-20	7	5×8	2×7	40°	1	1	0,4
35	1 ³ / ₈	90509723	102-5035-27-67,39-20	7	5×9	2×7	25°	1	1	0,5
38	1 ¹ / ₂	90505180	102-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,6
41	1 ⁵ / ₈	90505176	102-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,6
41	1 ⁵ / ₈	90510662	102-5041-27-30-67,39-20	7	5×9	2×8	40°	1	1	1,0
CROSS-TYPE BIT				Insert						
				Width (mm)	Height (mm)					
38	1 ¹ / ₂	90514222	102-7038-44,20-17	10,3	19,5	4	1	0,7		
41	1 ⁵ / ₈	90514231	102-7041-44,20-17	11,1	20,0	4	1	0,8		
45	1 ³ / ₄	90510687	102-7045-44,20-17	11,1	20,0	2	1	0,8		
48	1 ⁷ / ₈	90510652	102-7048-38,02-17	14,0	22,0	4	1	1,0		
51	2	90510653	102-7051-38,02-17	14,0	22,0	4	1	1,1		

R25 (1")

Bench and production drilling

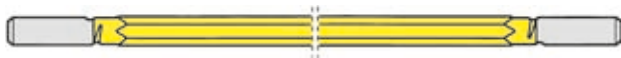
Extension rod




Light equipment, fully carburized. Rod section 24,8 mm. 

Length		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
610	2	90548008	202-0206-C,02		2,0
1220	4	90000524	202-0212-C,02		3,7

R25 (1") hex. rod




Fully carburized (C) / Surface hardened (SH). Rod section 28,5 mm. 

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Fully carburized	Surface hardened	
915	3'	90548035	202-0309-C,02		3,3
1000	3'3 ³ / ₈ "	90509525	202-0310-C,02		3,9
1220	4'	90000131	202-0312-C,02		4,5
1525	5'	90000535	202-0315-C,02		5,7
1830	6'	90000132	202-0318-C,02		6,9
2435	8'	90548093	202-0324-C,02		9,2
3050	10'	90000981	202-0331-C,02		11,9
3050	10'	90002576		202-0331-SH,03	11,9

R25 (1") hex. Speedrod



Fully carburized. D = 35 mm. Rod section 28,5 mm. 

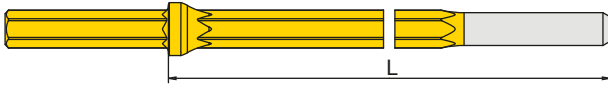
Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
610	2	90505035	202-0306-MF-C,02		2,6
1220	4	90505036	202-0312-MF-C,02		5,0
3050	10	90515578	202-0331-MF-C,02		12,0

Coupling



Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
25	1	33	1 ¹ / ₁₆	150	5 ⁷ / ₈	90503145	302-0033,00	0,5
25	1	35	1 ³ / ₈	150	5 ⁷ / ₈	90000163	302-0035,00	0,7

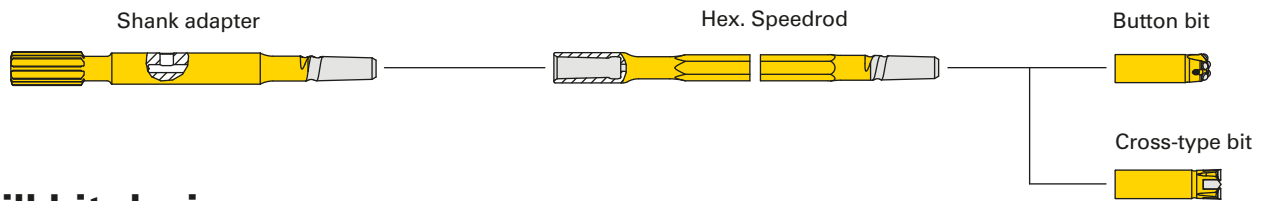
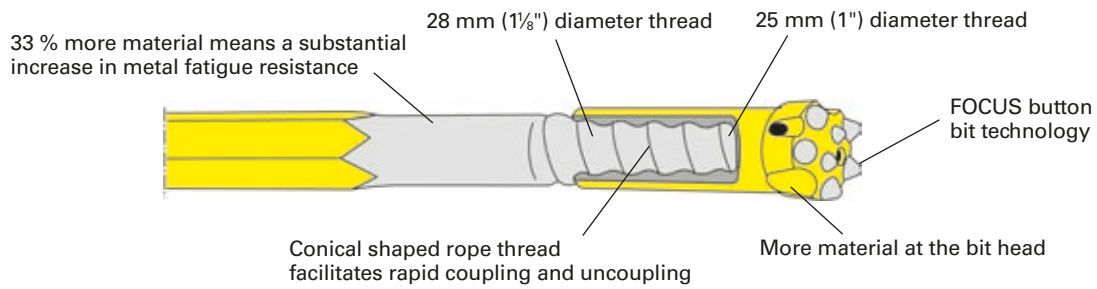
Shank end rod



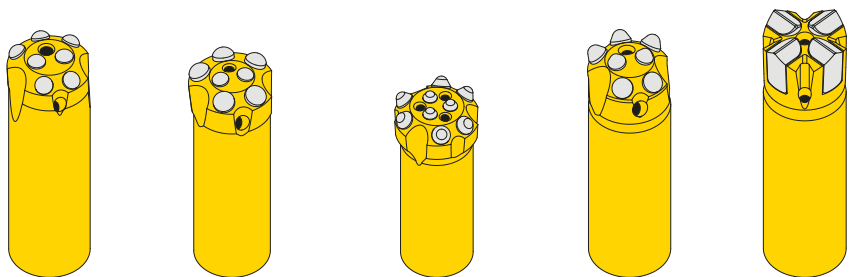
Fully carburized.

Length (L)		Product No.	Product code	Seal Product No.	Seal Product code	Weight approx. kg
mm	foot/inch					
Shank hex. 22 mm (7/8") × 108 mm (4 1/4"). 25 mm (1") thread.						
265	10 3/8"	90000237	502-0103-06-C,02	90002182	9232	1,2
610	2'	90570115	502-0106-06-C,02	90002182	9232	2,3
760	2'5 7/8"	90510004	502-0108-06-C,02	90002182	9232	2,9
1000	3'3 3/8"	90531258	502-0110-06-C,02	90002182	9232	3,4
1200	3'11 1/4"	90580089	502-0112-06-C,02	90002182	9232	4,5
1600	5'3"	90514336	502-0116-06-C,02	90002182	9232	5,7
1830	6'	90500017	502-0118-06-C,02	90002182	9232	6,1
2435	8'	90510009	502-0124-06-C,02	90002182	9232	8,0
3200	10'6"	90500012	502-0132-06-C,02	90002182	9232	10,4
3700	12'1 5/8"	90510715	502-0137-06-C,02	90002182	9232	12,0
4000	13'1 1/2"	90502700	502-0140-06-C,02	90002182	9232	13,0
265	10 3/8"	90505427	502-0103-C,02	-	-	1,2
455	1'5 7/8"	90513914	502-0104-C,02	-	-	1,5
610	2'	90516356	502-0106-C,02	-	-	2,3
760	2'5 7/8"	90516357	502-0108-C,02	-	-	2,9
1600	5'3"	90516358	502-0116-C,02	-	-	5,7
1830	6'	90516360	502-0118-C,02	-	-	6,1
2400	7'10 1/2"	90513918	502-0124-C,02	-	-	7,9
3200	10'6"	90513919	502-0132-C,02	-	-	10,4
3600	11'9 3/4"	90510785	502-0136-C,02	-	-	11,8
4000	13'1 1/2"	90514359	502-0140-C,02	-	-	12,2
Shank hex. 25 mm (1") × 108 mm (4 1/4"). 25 mm (1") thread.						
255	10"	90000240	502-1203-C,02	90000378	9150-08	1,4
Shank hex. 25 mm (1") × 159 mm (6 1/4"). 25 mm (1") thread.						
255	10"	90000247	502-1503-C,02	90000378	9150-08	1,6
610	2'	90510516	502-1506-C,02	90000378	9150-08	3,1
3200	10'6"	90000986	502-1532-C,02	90000378	9150-08	13,2
Shank hex. 28 mm (1 1/8") × 159 mm (6 1/4"). 25 mm (1") thread.						
2700	8'10 1/4"	90510068	502-2127-C,02	-	-	11,2

Magnum SR28 thread system



Drill bit design



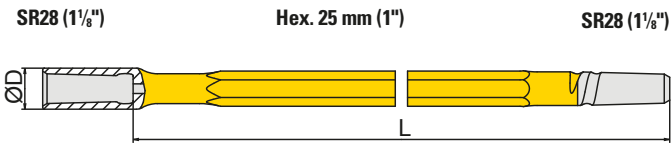
125-5033-17 125-5035-27 125-5041-37-67 125-5033-41-67 125-7033-44


Please note text on page 44 re. finished hole size.

Drill bit

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Buttons angle°		Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre	Gauge	Centre	Side	Centre	
BUTTON BIT - Spherical buttons											
33	1 1/16	90514200	125-5033-17,39-20	7	5×7	2×7	35°	–	1	1	0,5
33	1 1/16	90514117	125-5033-41,39-20	7	5×8	2×7	40°	15°	1	1	0,4
35	1 3/8	90514322	125-5035-27,39-20	7	5×9	2×7	25°	10°	1	1	0,5
38	1 1/2	90514282	125-5038-27,39-20	7	5×9	2×7	30°	–	1	1	0,6
41	1 5/8	90515379	125-5041-27,39-20	7	5×9	2×8	40°	–	1	1	0,7
45	1 3/4	90514507	125-5045-27,39-20	7	5×11	2×8	30°	–	2	1	0,8
BUTTON BIT - Ballistic buttons											
33	1 1/16	90514137	125-5033-41-67,39-20	7	5×8	2×7	40°	15°	1	1	0,4
35	1 3/8	90514102	125-5035-27-67,39-20	7	5×9	2×7	25°	10°	1	1	0,4
38	1 1/2	90516334	125-5038-41-67,39-20	7	5×9	2×8	40°	20°	1	1	0,5
41	1 5/8	90516383	125-5041-37-67,39-20	9	6×9	3×7	40°	–	–	3	0,5
45	1 3/4	90516422	125-5045-37-67,39-20	9	6×9	3×8	40°	–	–	3	0,7
CROSS-TYPE BIT						Insert					
						Width (mm)		Height (mm)			
33	1 1/16	90514429	125-7033-44,20-17	10,3		19,5		2	1	0,5	

Extension rod



Speedrod, fully carburized. D = 34 mm. Rod section 28,5 mm. 

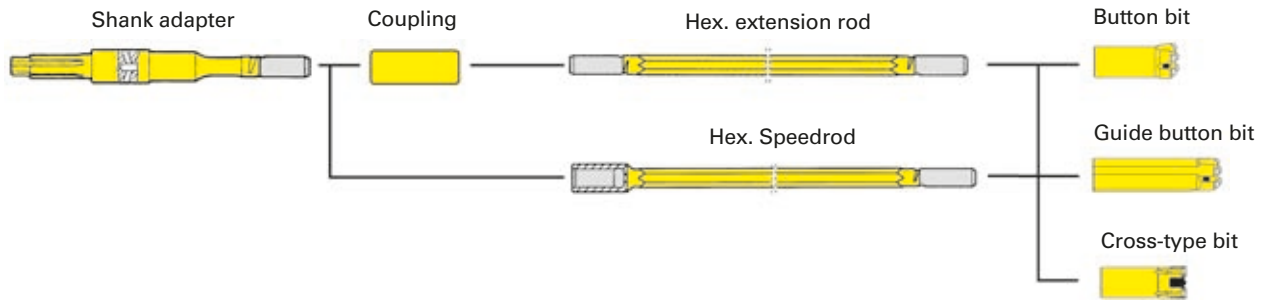
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3050	10	90516350	225-0331-69-MF-C,02	12,1

Shank end rod

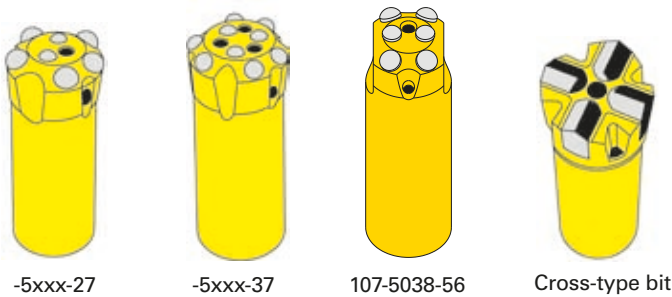


Fully carburized.

Length (L)		Product No.	Product code	Seal Product No.	Seal Product code	Weight approx. kg
mm	foot/inch					
Shank hex. 25 mm (1") x 108 mm (4 1/4"). 28 mm (1 1/8") thread.						
265	10 3/8"	90516367	525-1103-C,02	-	-	1,7
3660	12'	90516330	525-1237-C,02	90000373	9150-08	15,2



Drill bit design



Please note text on page 44 re. finished hole size.


Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
37	1 5/32	90505296	107-5037-27,39-20	7	5×9	2×7	30°	1	1	0,6
38	1 1/2	90505177	107-5038-27,39-20	7	5×9	2×7	30°	1	1	0,6
38	1 1/2	90510216	107-5038-56,39-20	6	4×9	2×8	30°	2	1	0,6
41	1 5/8	90505173	107-5041-27,39-20	7	5×9	2×8	35°	1	1	0,7
43	1 11/16	90505169	107-5043-27,39-20	7	5×9	2×9	35°	2	1	0,8
51	2	90510397	107-6051,49-20	9	6×10	3×9	30°	-	3	1,0
BUTTON BIT - Ballistic buttons										
38	1 1/2	90505178	107-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,6
41	1 5/8	90505174	107-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,6
CROSS-TYPE BIT				Insert						
				Width (mm)	Height (mm)					
41	1 5/8	90514234	107-7041-44,20-17	11,1	20,0		4	1	0,8	
45	1 3/4	90514252	107-7045-44,20-17	11,1	20,0		4	1	0,9	

Extension rod

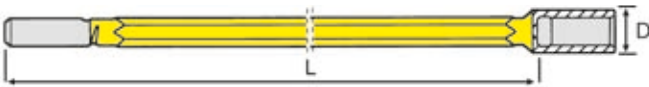
R28 (1 1/8") hex. rod




Fully carburized. Rod section 32 mm. 

Length		Product No.	Product code	Weight approx. kg
mm	foot			
1830	6	90502190	207-0418-C,02	9,3
3050	10	90002945	207-0431-C,02	15,3

R28 (1 1/8") hex. Speedrod



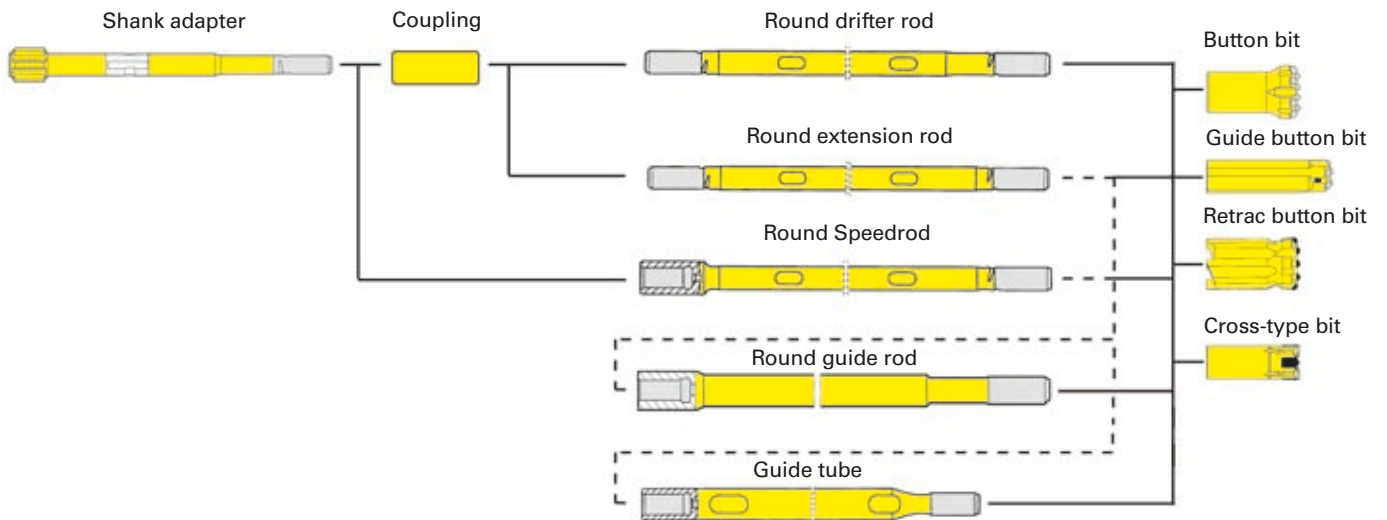
Fully carburized. D = 39 mm. Rod section 32 mm. 

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
1220	4	90514037	207-0412-MF-C,02	6,2
3050	10	90502656	207-0431-MF-C,02	15,7

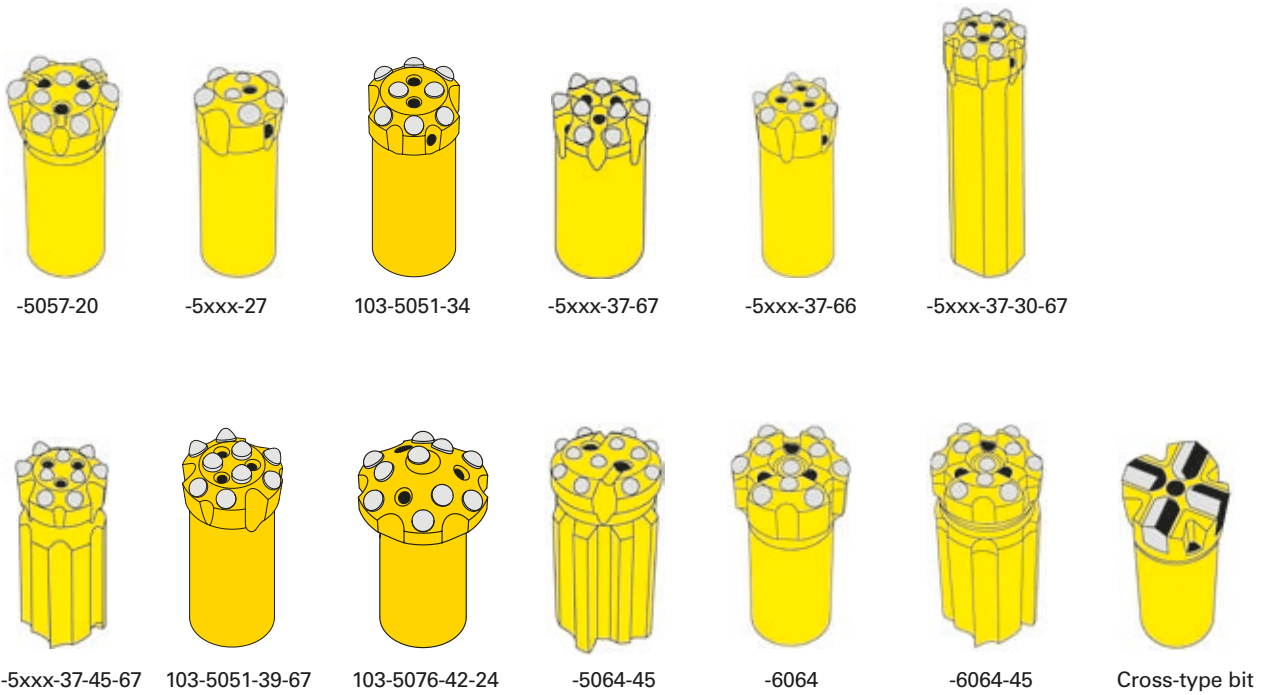
Coupling



Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
28	1 1/8	44	1 1/16	150	5 7/8	90515735	307-0040,10	0,9



Drill bit design



Please note text on page 44 re. finished hole size.

Drill bit

Diameter		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		
BUTTON BIT - Spherical buttons											
48	1⅞	90504374	103-5048-27,39-20	7	5×11	2×9	35°	2	1	1,0	
48	1⅞	90509461	103-5048-37,39-20	9	6×10	3×8	40°	1	3	0,9	
51	2	90504566	103-5051-27,39-20	7	5×11	2×10	35°	2	1	1,0	
51	2	90510451	103-5051-34,39-20	8	6×10	2×10	40°	2	2	1,0	
51	2	90509465	103-5051-37,39-20	9	6×10	3×9	40°	1	3	1,0	
51	2	90510302	103-6051,49-20	9	6×10	3×9	30°	–	3	1,0	
51	2	90510308	103-6051-45,49-20	9	6×10	3×9	30°	–	3	1,2	
54	2⅞	90509480	103-5054-37,39-20	9	6×10,5	3×10	35°	1	4	1,0	
57	2¼	90510453	103-5057-20,39-20	9	6×11	3×9	35°	–	3	1,1	
57	2¼	90514267	103-5057-37-45,49-20	9	6×10,5	3×9	35°	–	3	1,5	
64	2½	90510303	103-5064,49-20	12	8×10	4×10	40°	–	2	1,6	
64	2½	90510381	103-5064-45,49-20	12	8×10	4×10	40°	–	2	2,2	
64	2½	90510328	103-6064,49-20	10	6×11	3×10, 1×10	35°	–	3	1,5	
64	2½	90510364	103-6064-45,49-20	10	6×11	3×10, 1×10	35°	–	3	2,2	
76	3	90510353	103-5076,49-20	12	8×11	4×11	40°	–	2	1,8	
76	3	90514373	103-5076-42-24,49-20	10	9×12,7	1×12,7	35°	1	3	2,0	
76	3	90510504	103-6076-45,49-20	13	8×11	4×11, 1×11	35°	1	4	3,5	
BUTTON BIT - Ballistic buttons											
48	1⅞	90509464	103-5048-37-67,39-20	9	6×10	3×8	40°	1	3	0,9	
48	1⅞	90509463	103-5048-37-30-67,39-20	8	6×10	2×8	25°	1	3	1,0	
51	2	90509466	103-5051-37-67,39-20	9	6×10	3×9	40°	1	3	1,0	
51	2	90510836	103-5051-37-45-67,39-20	9	6×10	3×9	40°	1	3	1,2	
51	2	90514633	103-6051-45-67,49-20	9	6×10	3×9	35°	–	3	1,2	
54	2⅞	90509481	103-5054-37-67,39-20	9	6×10	3×9	40°	1	3	1,0	
57	2¼	90510454	103-5057-20-67,39-20	9	6×11	3×9	35°	–	3	1,1	
64	2½	90510327	103-5064-67,49-20	12	8×10	4×10	40°	–	2	1,6	
76	3	90510821	103-5076-42-24-67,49-20	10	9×12,7	1×12,7	35°	1	3	2,0	
BUTTON BIT - Full-ballistic buttons (Soft rock bit)											
48	1⅞	90514714	103-5048-34-66,39-20	8	6×9	2×9	40°	–	2	0,8	
48	1⅞	90514135	103-5048-37-66,39-20	9	6×9	3×9	40°	1	3	0,8	
51	2	90514715	103-5051-34-66,39-20	8	6×10	2×10	40°	–	2	0,9	
51	2	90514136	103-5051-37-66,39-20	9	6×10	3×9	40°	1	3	0,8	
CROSS-TYPE BIT				Insert							
				Width (mm)		Height (mm)					
48	1⅞	90510658	103-7048-38,02-17	14,0		22,0		4	1	1,1	
51	2	90514248	103-7051-38,02-17	14,0		22,0		4	1	1,2	
51	2	90510551	103-7051-38-45,02-17	14,0		22,0		4	1	1,7	
57	2¼	90514239	103-7057,02-17	10,3		19,5		4	1	1,3	
64	2½	90001719	103-7064,08-17	10,3		19,5		4	1	1,4	

Extension rod

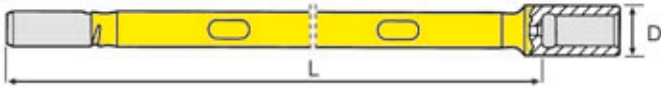
R32 (1¼") round rod



Fully carburized (C) / Surface hardened (SH).

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Fully carburized	Surface hardened	
915	3'	90550062	203-2509-C,02		4,8
1000	3'3⅜"	90500360	203-2510-C,02		6,0
1220	4'	90000138	203-2512-C,02		6,5
1525	5'	90509485	203-2515-C,02		8,7
1830	6'	90000139	203-2518-C,02		9,8
2435	8'	90000989	203-2524-C,02		13,2
2435	8'	90515400		203-4524-SH,03	13,9
3050	10'	90000990	203-2531-C,02		16,6
3050	10'	90515401		203-4531-SH,03	16,6
3660	12'	90509565	203-2537-C,02		20,0
3660	12'	90515402		203-4537-SH,03	20,8

R32 (1¼") round Speedrod



Fully carburized. D = 46 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
915	3	90503329	203-2509-MF-C,02		5,5
1220	4	90500834	203-2512-MF-C,02		7,3
1525	5	90500627	203-2515-MF-C,02		9,0
1830	6	90500628	203-2518-MF-C,02		10,6
2435	8	90502259	203-2524-MF-C,02		14,0
Both surface hardened and fully carburized					
3050	10	90515604	203-2531-MF,29		18,6
3660	12	90515605	203-2537-MF,29		22,1
4270	14	90515606	203-2543-MF,29		25,6

Drifter rod

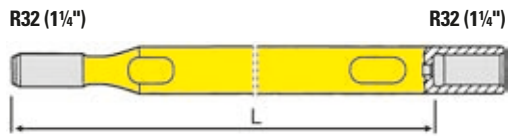
R32 (1¼") round rod



Fully carburized.

Length		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4000	13'1½"	90002394	203-2540-03-C,02	21,7
4310	14'1⅝"	90000993	203-2543-03-C,02	23,4

Guide tube



Fully carburized.

Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot			
51-57	2-2¼	45	1¾	1220	4	94502681	203-7112,10	10,0
51-57	2-2¼	45	1¾	1525	5	94502658	203-7115,10	12,5
51-57	2-2¼	45	1¾	1830	6	94502659	203-7118,10	14,2
51-57	2-2¼	45	1¾	3050	10	94502660	203-7131,10	25,0

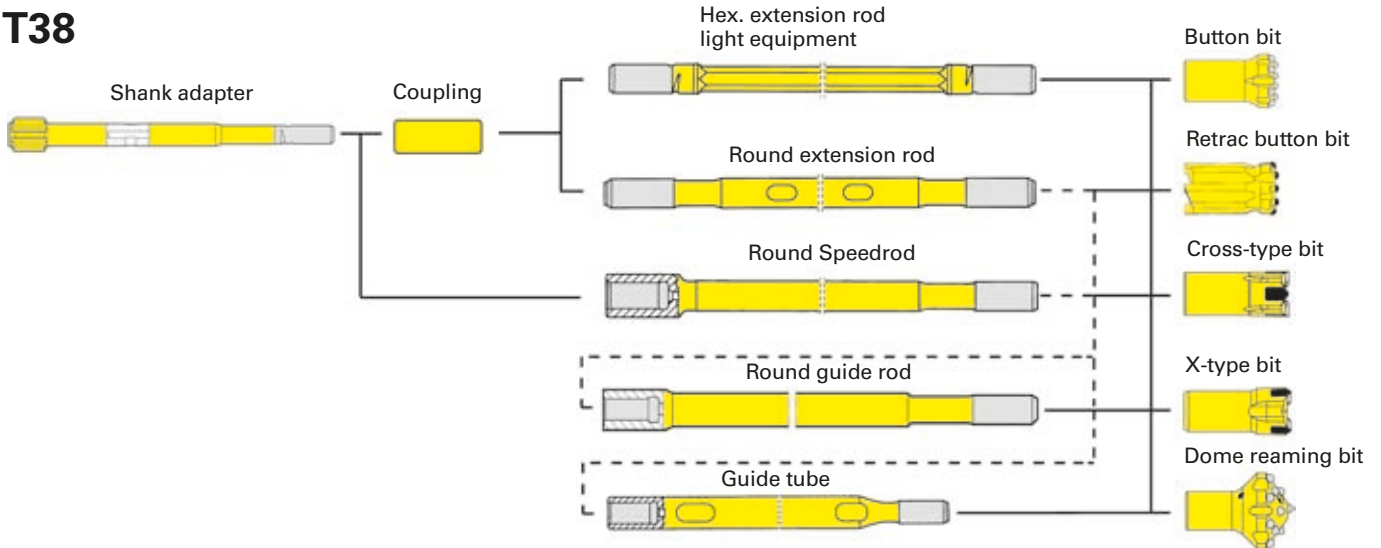
Coupling



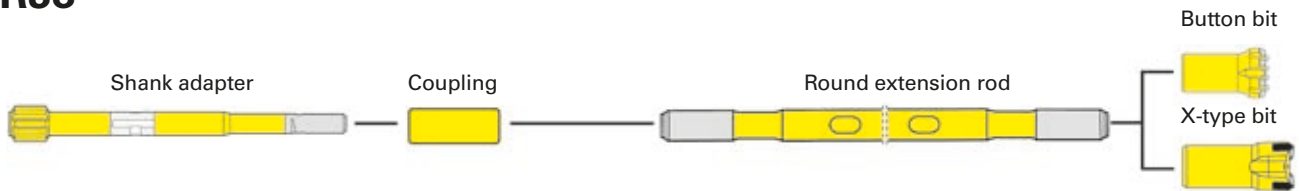
Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code Rope thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
32	1¼	42	1 ²¹ / ₃₂	150	5 ⁷ / ₈	90515730	303-0042,10	0,9
32	1¼	44	1 ²³ / ₃₂	150	5 ⁷ / ₈	90515731	303-0044,10	1,0
32	1¼	44	1 ²³ / ₃₂	160	6 ⁵ / ₁₆	90515732	303-0044-57,10	1,2

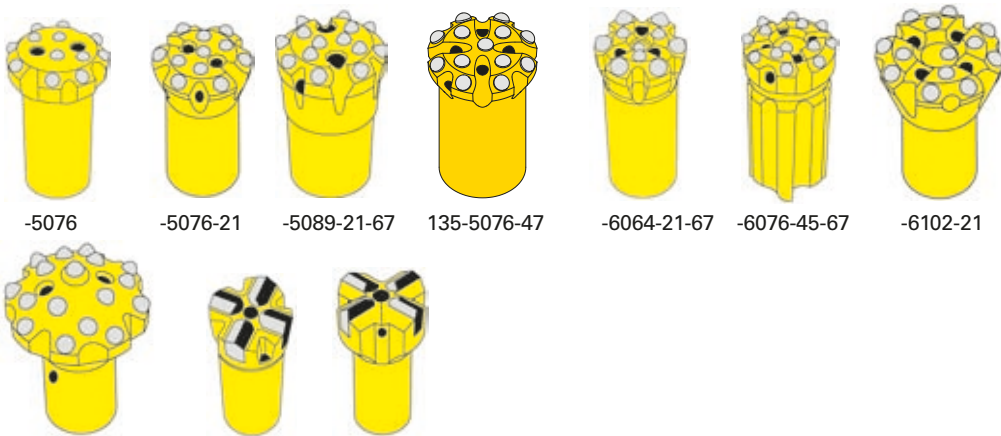
T38



R38



Drill bit design



Dome reaming bit Cross-type X-type

Please note text on page 44 re. finished hole size.

Drill bit

Diameter		Product No.	Product code		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch		R38 thread	T38 thread		Gauge	Centre		Side	Centre	
BUTTON BIT - Spherical buttons											
64	2½	90510304	104-5064,49-20		12	8×10	4×10	40°	–	2	1,6
64	2½	90510305		135-5064,49-20	12	8×10	4×10	40°	–	2	1,6
64	2½	90510309		135-5064-45,49-20	12	8×10	4×10	40°	–	2	1,9
64	2½	90510316		135-5064-20,49-20	9	6×12,7	3×11	35°	1	1	1,9
64	2½	90513748		135-5064-21,49-20	10	6×11	4×10	35°	1	2	1,6
64	2½	90510307		135-6064,49-20	10	6×11	3×10, 1×10	35°	–	3	1,7
64	2½	90510311		135-6064-45,49-20	10	6×11	3×10, 1×10	35°	–	3	2,3
64	2½	90510347		135-6064-21,49-20	10	6×12,7	3×10, 1×8	25°	–	3	1,7

Cont. next page

Diameter		Product No.	Product code		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch		R38 thread	T38 thread		Gauge	Centre		Side	Centre	
BUTTON BIT - Spherical buttons											
70	2¾	90510349		135-5070,49-20	12	8×11	4×11	40°	-	2	2,0
70	2¾	90510350		135-5070-20,49-20	11	6×12,7	5×11	35°	2	1	2,3
70	2¾	90510352		135-6070,49-20	10	6×11	3×11, 1×9	35°	-	3	1,9
70	2¾	90510707		135-6070-21,49-20	10	6×12,7	3×10, 1×10	35°	-	3	1,7
70	2¾	90514157		135-6070-21-45,49-20	10	6×12,7	3×10, 1×10	35°	-	3	2,3
76	3	90510318	104-5076,49-20		12	8×11	4×11	40°	-	2	2,6
76	3	90510319		135-5076,49-20	12	8×11	4×11	40°	-	2	2,2
76	3	90510366		135-5076-45,49-20	12	8×11	4×11	40°	-	2	3,1
76	3	90510321		135-5076-20,49-20	11	6×12,7	5×11	35°	2	1	2,5
76	3	90513749		135-5076-21,49-20	13	8×12,7	5×11	35°	1	2	2,3
76	3	90515235		135-5076-47,49-20	13	8×11	5×11	35°	1	4	2,2
76	3	90510330		135-6076,49-20	10	6×12,7	3×11, 1×11	35°	1	3	2,6
76	3	90510369		135-6076-45,49-20	13	8×11	4×11, 1×11	35°	1	4	3,5
76	3	90513806		135-6076-21,49-20	13	8×12,7	4×11, 1×11	35°	-	4	2,4
76	3	90510810		135-6076-21-45,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,3
89	3½	90510323	104-5089,49-20		12	8×12,7	4×12,7	40°	-	2	3,3
89	3½	90510324		135-5089,49-20	12	8×12,7	4×12,7	40°	-	2	3,2
89	3½	90510367		135-5089-45,49-20	12	8×12,7	4×12,7	40°	-	2	5,2
89	3½	90515273		135-5089-47,49-20	16	10×11	6×11	35°	1	4	3,4
89	3½	90510332		135-6089,49-20	11	6×12,7	3×11, 2×11	35°	1	3	3,0
89	3½	90513808		135-6089-21,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,0
89	3½	90515287		135-6089-21-45,49-20	13	8×12,7	4×11, 1×11	35°	-	4	4,6
102	4	90510329		135-5102,49-20	12	8×14,5	4×14,5	40°	-	2	4,0
102	4	90515369		135-5102-47,49-20	14	8×14,5	6×12,7	35°	1	4	4,3
102	4	90513810		135-6102-21,49-20	13	8×14,5	4×12,7, 1×12,7	35°	-	4	3,9
127	5	90513776		135-5127-42-24,49-20*	19	18×12,7	1×12,7	35°	1	3	5,2
BUTTON BIT - Ballistic buttons											
64	2½	90510413		135-5064-67,49-20	12	8×10	4×10	40°	-	2	1,6
64	2½	90510365		135-5064-45-67,49-20	12	8×10	4×10	40°	-	2	1,9
64	2½	90510306		135-6064-67,49-20	10	6×11	3×10, 1×10	35°	-	3	1,6
64	2½	90510368		135-6064-45-67,49-20	10	6×11	3×10, 1×10	35°	-	3	2,3
64	2½	90510524		135-6064-21-67,49-20	10	6×12,7	3×10, 1×8	25°	-	3	1,8
64	2½	90513805		135-6064-21-45-67,49-20	10	6×12,7	3×10, 1×8	25°	-	3	2,2
64	2½	90514631		135-6064-48-45-67,49-20	13	8×10	4×10, 1×7	35°	-	4	2,0
70	2¾	90510351		135-6070-67,49-20	10	6×11	3×11, 1×9	35°	-	3	1,9
70	2¾	90510384		135-6070-45-67,49-20	10	6×11	3×11, 1×9	35°	-	3	2,4
76	3	90513760		135-5076-21-67,49-20	13	8×12,7	5×11	35°	1	2	2,3
76	3	90510312		135-5076-45-67,49-20	12	8×11	4×11	40°	-	2	3,1
76	3	90510331		135-6076-67,49-20	10	6×12,7	3×11, 1×11	35°	1	3	2,5
76	3	90510370		135-6076-45-67,49-20	13	8×11	4×11, 1×11	35°	1	4	3,5
76	3	90513807		135-6076-21-67,49-20	13	8×12,7	4×11, 1×11	35°	-	4	2,4
76	3	90510811		135-6076-21-45-67,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,3
89	3½	90513763		135-5089-21-67,49-20	14	8×12,7	6×12,7	35°	1	2	3,1

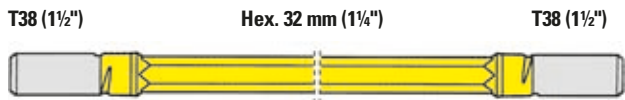
* For reaming, reversed flushing.

Cont. next page

Diameter		Product No.	Product code		No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch		R38 thread	T38 thread		Gauge	Centre		Side	Centre	
BUTTON BIT - Ballistic buttons											
89	3½	90510355		135-6089-67,49-20	11	6×12,7	3×11, 2×11	35°	1	3	3,1
89	3½	90510654		135-6089-45-67,49-20	14	8×11	4×11, 2×9	35°	1	4	5,0
89	3½	90513809		135-6089-21-67,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,0
102	4	90513762		135-6102-21-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	-	4	3,9
127	5	90513775		135-5127-42-24-67,49-20*	19	18×12,7	1×12,7	35°	1	3	5,2
X-TYPE BIT											
64	2½	90002256		135-8064,08-16	14,0		25,0		4	1	1,9
76	3	90001716	104-8076,08-16		14,0		26,0		4	1	2,5
76	3	90002260		135-8076,08-16	14,0		26,0		4	1	2,5

* For reaming, reversed flushing.

Extension rod



Light equipment, fully carburized. Rod section 35,8 mm. 

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
3050	10'	90001962		235-0531-C,02	18,7
4000	13'1½"	90510050		235-0540-C,02	23,6

T38 (1½") round Speedrod



Fully carburized. D = 57 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
600	1'11⅝"	90510857		235-4706-MF-C,02	6,0
915	3'	90510718		235-4709-MF-C,02	8,3
1220	4'	90510719		235-4712-MF-C,02	10,9
1525	5'	90510720		235-4715-MF-C,02	13,3
1830	6'	90510721		235-4718-MF-C,02	15,8

Both surface hardened and fully carburized, see next page.

T38 (1½") round Speedrod



Fully carburized (C) and Surface hardened (SH). D = 57 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		R38 thread	T38 thread	
Both surface hardened and fully carburized					
3050	10	90515312		235-4731-MF,29	26,3
3660	12	90515315		235-4737-MF,29	31,5
4270	14	90515570		235-4743-MF,29	36,9
4880	16	90515571		235-4749-MF,29	41,9

R/T38 (1½") round rod



Fully carburized (C) / Surface hardened (SH).

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
Fully carburized					
280	11"	90504090	204-2702-C,02		2,0
610	2'	90502448		235-2706-C,02	5,0
1220	4'	90500622		235-2712-C,02	10,0
Surface hardened					
1830	6'	90590109	204-2718-SH,03		14,9
3050	10'	90515405	204-4731-SH,03		24,3
3050	10'	90515289		235-4731-SH,03	24,8
3660	12'	90515288		235-4737-SH,03	29,0
4270	14'	90515291		235-4743-SH,03	34,7

T38 (1½") round rod with double thread



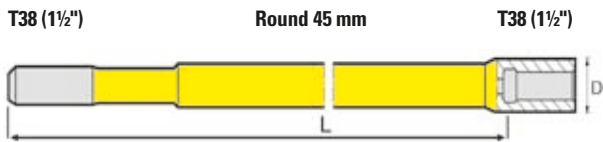
Surface hardened.

Length		Product No.	Product code		Weight approx. kg
mm	foot		R38 thread	T38 thread	
3050	10	90515292		235-4731-95-SH,03	27,0
3660	12	90515290		235-4737-95-SH,03	30,0

Drifter rod

For one rod drilling drifter rods can be used. See page 34.

Guide rod



D = 57 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3660	12	90515575	235-4937-MF,29	44,8

Guide tube



Fully carburized.

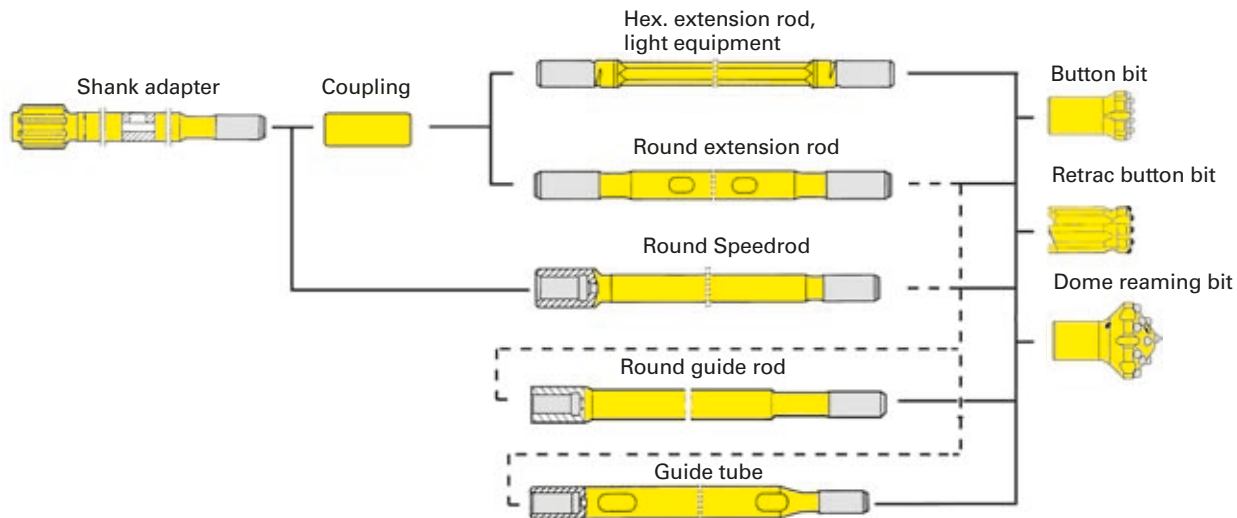
Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot			
64	2½	56	2⅞	1220	4	94502648	235-7012,10	12,6
64	2½	56	2⅞	1525	5	94000051	235-7015,10	14,0
64	2½	56	2⅞	1830	6	94000052	235-7018,10	17,4
64	2½	56	2⅞	3050	10	94000053	235-7031,10	28,3
64	2½	56	2⅞	3660	12	94000054	235-7037,10	32,8
76	3	64	2½	3660	12	94502622	235-6937,10	51,0

Coupling

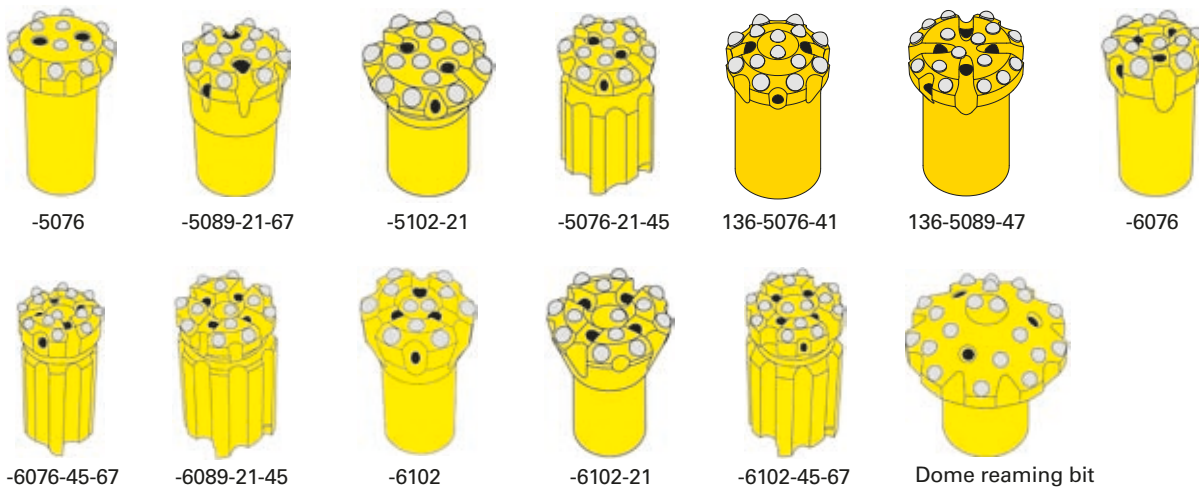


Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		Rope thread	T thread	
38	1½	52	2⅛	190	7½	90515736		335-0052,10	1,8
38	1½	55	2⅝	170	6¾	90515733	304-0055,10		1,7
38	1½	55	2⅝	170	6¾	90515737		335-0055,10	1,7
38	1½	55	2⅝	180	7⅞	90515734	304-0055-57,10		1,9
38	1½	55	2⅝	180	7⅞	90515738		335-0055-57,10	1,9



Drill bit design



Please note text on page 44 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
70	2 ³ / ₄	90510478	136-6070,49-20	10	6×11	3×11, 1×9	35°	-	3	2,0
70	2 ³ / ₄	90510479	136-6070-45,49-20	10	6×11	3×11, 1×9	35°	-	3	2,1
76	3	90510320	136-5076,49-20	12	8×11	4×11	40°	-	2	2,2
76	3	90510371	136-5076-45,49-20	12	8×11	4×11	40°	-	2	2,8
76	3	90510322	136-5076-20,49-20	11	6×12,7	5×11	35°	2	1	2,6
76	3	90514051	136-5076-21,49-20	13	8×12,7	5×11	35°	1	2	2,4
76	3	90513761	136-5076-21-45,49-20	13	8×12,7	5×11	35°	1	2	2,7
76	3	90515248	136-5076-41,49-20	14	8×12,7	4×11, 2×11	35°	2	2	2,5
76	3	90510333	136-6076,49-20	10	6×12,7	3×11, 1×11	35°	1	2	2,6
76	3	90510313	136-6076-45,49-20	13	8×11	4×11, 1×11	35°	1	4	3,2
76	3	90513750	136-6076-21,49-20	13	8×12,7	4×11, 1×11	35°	-	4	2,4
76	3	90510808	136-6076-21-45,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,0

Cont. next page

Diameter		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	
BUTTON BIT - Spherical buttons										
89	3 ¹ / ₂	90510325	136-5089,49-20	12	8×12,7	4×12,7	40°	–	2	3,3
89	3 ¹ / ₂	90510418	136-5089-20,49-20	14	8×12,7	6×11	35°	1	1	3,8
89	3 ¹ / ₂	90510372	136-5089-45,49-20	12	8×12,7	4×12,7	40°	–	2	5,0
89	3 ¹ / ₂	90515268	136-5089-47,49-20	16	10×11	6×11	35°	1	4	3,0
89	3 ¹ / ₂	90513751	136-5089-21-45,49-20	14	8×12,7	6×12,7	35°	1	2	4,7
89	3 ¹ / ₂	90510335	136-6089,49-20	11	6×12,7	3×11, 2×11	35°	1	3	3,5
89	3 ¹ / ₂	90510374	136-6089-45,49-20	14	8×11	4×11, 2×9	35°	1	4	4,7
89	3 ¹ / ₂	90513752	136-6089-21,49-20	13	8×12,7	4×11, 1×11	35°	–	4	3,0
89	3 ¹ / ₂	90510692	136-6089-21-45,49-20	13	8×12,7	4×11, 1×11	35°	–	4	4,2
102	4	90510326	136-5102,49-20	12	8×14,5	4×14,5	40°	–	2	4,4
102	4	90510888	136-5102-21,49-20	14	8×15,8	6×12,7	35°	1	2	3,7
102	4	90510373	136-5102-45,49-20	12	8×14,5	4×14,5	40°	–	2	6,7
102	4	90515364	136-5102-47,49-20	14	8×14,5	6×12,7	35°	1	4	4,1
102	4	90510337	136-6102,49-20	11	6×14,5	3×12,7, 2×12,7	35°	1	3	3,9
102	4	90510392	136-6102-45,49-20	14	8×12,7	4×12,7, 2×12,7	35°	1	4	7,8
102	4	90513811	136-6102-21,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	5,3
102	4	90515366	136-6102-21-45,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	6,4
115	4 ¹ / ₂	90510409	136-5115,49-20	18	10×12,7	8×12,7	35°	–	2	5,4
115	4 ¹ / ₂	90515269	136-5115-47,49-20	14	8×14,5	6×14,5	35°	1	4	5,8
115	4 ¹ / ₂	90510399	136-6115,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	5,0
115	4 ¹ / ₂	90514660	136-6115-45,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	9,0
127	5	90515253	136-5127-47,49-20	14	8×15,8	6×15,8	35°	–	4	6,6
127	5	90513778	136-5127-42-24,49-20*	19	18×12,7	1×12,7	35°	1	3	5,3
152	6	90513818	136-5152-42-24,49-20*	20	18×14,5	2×14,5	35°	1	3	9,9
BUTTON BIT - Ballistic buttons										
70	2 ³ / ₄	90510385	136-6070-45-67,49-20	10	6×11	3×11, 1×9	35°	–	3	2,1
76	3	90514027	136-5076-21-67,49-20	13	8×12,7	5×11	35°	1	2	2,3
76	3	90510386	136-5076-45-67,49-20	12	8×11	4×11	40°	–	2	2,8
76	3	90510334	136-6076-67,49-20	10	6×12,7	3×11, 1×11	35°	1	2	2,6
76	3	90510314	136-6076-45-67,49-20	13	8×11	4×11, 1×11	35°	1	4	3,1
76	3	90510809	136-6076-21-45-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	3,0
89	3 ¹ / ₂	90510390	136-5089-45-67,49-20	12	8×12,7	4×12,7	40°	–	2	5,0
89	3 ¹ / ₂	90510780	136-5089-21-67,49-20	14	8×12,7	6×12,7	35°	1	2	3,3
89	3 ¹ / ₂	90514073	136-5089-21-45-67,49-20	14	8×12,7	6×12,7	35°	1	2	4,7
89	3 ¹ / ₂	90510336	136-6089-67,49-20	11	6×12,7	3×11, 2×11	35°	1	3	3,4
89	3 ¹ / ₂	90510375	136-6089-45-67,49-20	14	8×11	4×11, 2×9	35°	1	4	4,8
89	3 ¹ / ₂	90515523	136-6089-21-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	3,1
89	3 ¹ / ₂	90510772	136-6089-21-45-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	4,8
102	4	90510889	136-5102-21-67,49-20	14	8×15,8	6×12,7	35°	1	2	3,7
102	4	90515367	136-6102-21-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	4,9
102	4	90510376	136-6102-45-67,49-20	14	8×12,7	4×12,7, 2×12,7	35°	1	4	7,8
115	4 ¹ / ₂	90515263	136-6115-67,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	4,7
115	4 ¹ / ₂	90515256	136-6115-45-67,49-20	14	8×14,5	6×12,7	35°	1	4	8,1
152	6	90510782	136-5152-42-24-67,49-20*	20	18×14,5	2×14,5	35°	3	3	9,5

* For reaming, reversed flushing.

Cont. next page

Diameter		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	
BUTTON BIT - Full-ballistic buttons (Soft rock bit)										
89	3½	90514993	136-5089-47-45-66,49-20	16	10×11	6×11	35°	1	4	4,9
X-TYPE BIT				Insert						
				Width (mm)		Height (mm)				
76	3	90514366	136-8076,02-17	14,0		26,0		4	1	2,5

Extension rod

T45 (1³/₄") Hex. 38 mm (1½") T45 (1³/₄")



Light equipment, fully carburized. Rod section 42,6 mm.



Length		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
3050	10	90002188	236-0731-C,02		25,6
3660	12	90002163	236-0737-C,02		30,8

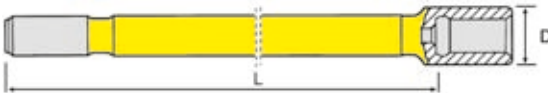
T45 (1³/₄") round rod



Surface hardened.

Length		Product No.	Product code		Weight approx. kg
mm	foot/inch		Fully carburized	Surface hardened	
3050	10'	90515296		236-4931-SH,03	34,5
3660	12'	90515294		236-4937-SH,03	41,4
4270	14'	90515295		236-4943-SH,03	48,3
4800	15'9"	90515408		236-4948-SH,03	54,3
6095	20'	90515297		236-4961-SH,03	69,0

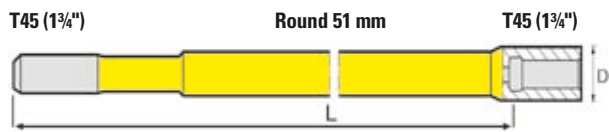
T45 (1³/₄") round Speedrod



Fully carburized. D = 65 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
1525	5	90510730	236-4915-MF-C,02		18,2
1830	6	90510731	236-4918-MF-C,02		21,5
Both surface hardened and fully carburized					
3050	10	90515567	236-4931-MF,29		37,6
3660	12	90515313	236-4937-MF,29		43,5
4270	14	90515316	236-4943-MF,29		51,5

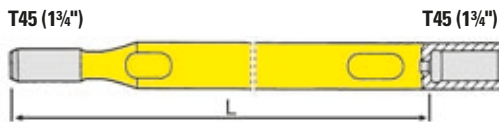
Guide rod



Fully carburized. D = 65 mm.

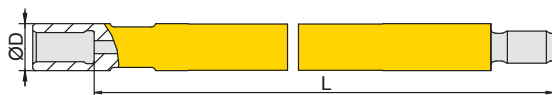
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3660	12	90513771	236-5137-MF-C,02	55,0
4270	14	90514785	236-5143-MF-C,02	63,5

Guide tube



Fully carburized.

Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot			
76	3	64	2 ¹ / ₂	1220	4	94502687	236-6912,10	20,0
76	3	64	2 ¹ / ₂	1525	5	94000047	236-6915,10	21,6
76	3	64	2 ¹ / ₂	1830	6	94000046	236-6918,10	25,4
76	3	64	2 ¹ / ₂	3660	12	94000050	236-6937,10	49,0
89	3 ¹ / ₂	76	3	1830	6	94502656	236-6618,10	40,0
89	3 ¹ / ₂	76	3	3660	12	94502627	236-6637,10	77,8



Fully carburized. Without undercut (shoulder).

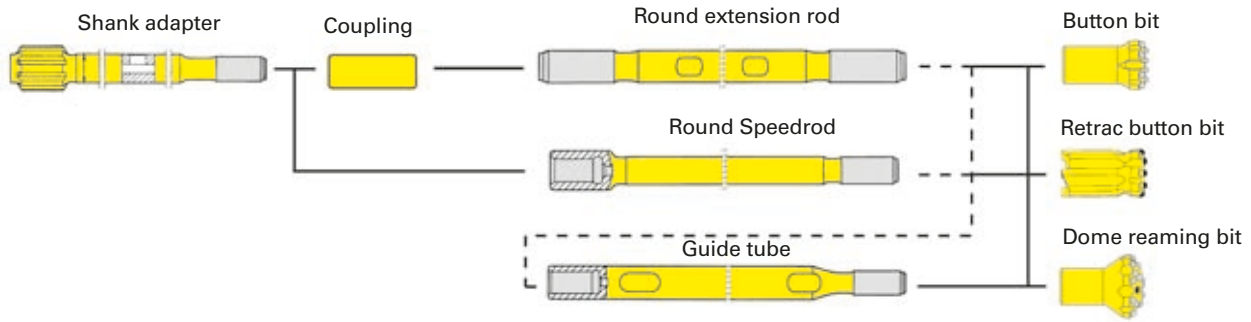
Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot/inch			
76	3	64	2 ¹ / ₂	1830	6'	94502714	236-6918-87,10	27,0

Coupling

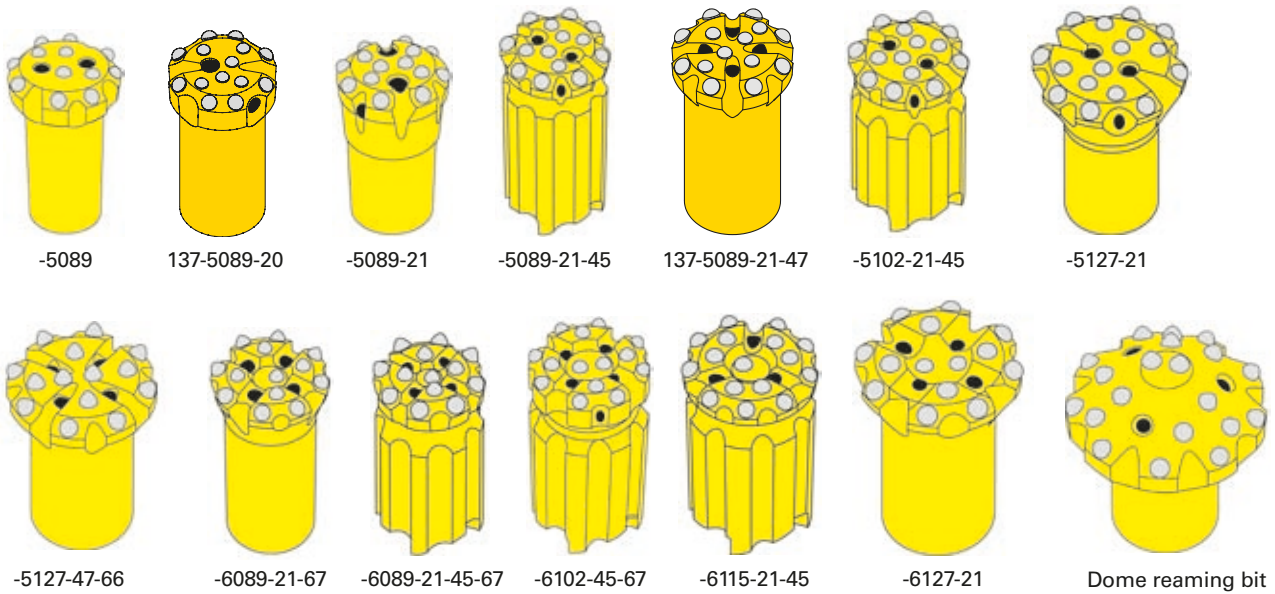


Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code T thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
45	1 ³ / ₄	63	2 ¹⁵ / ₃₂	210	8 ¹ / ₄	90515739	336-0063,10	2,7
45	1 ³ / ₄	63	2 ¹⁵ / ₃₂	210	8 ¹ / ₄	90515740	336-0063-57,10	2,7
45	1 ³ / ₄	66	2 ⁵ / ₈	210	8 ¹ / ₄	90515741	336-0066,10	3,2
45	1 ³ / ₄	66	2 ⁵ / ₈	210	8 ¹ / ₄	90515742	336-0066-57,10	3,2



Drill bit design



Please note text on page 44 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
89	3½	90510338	137-5089,49-20	12	8×12,7	4×12,7	40°	-	2	3,5
89	3½	90510377	137-5089-45,49-20	12	8×12,7	4×12,7	40°	-	2	4,8
89	3½	90510357	137-5089-20,49-20	14	8×12,7	6×11	35°	1	1	4,0
89	3½	90510527	137-5089-21,49-20	14	8×12,7	6×12,7	35°	1	2	3,7
89	3½	90513764	137-5089-21-45,49-20	14	8×12,7	6×12,7	35°	1	2	5,3
89	3½	90515252	137-5089-21-47,49-20	14	8×12,7	6×11	35°	-	4	3,6
89	3½	90515251	137-5089-47,49-20	16	10×11	6×11	35°	-	4	3,8
89	3½	90510341	137-6089,49-20	11	6×12,7	3×11, 2×11	35°	1	3	3,6
89	3½	90510391	137-6089-45,49-20	14	8×11	4×11, 2×9	35°	1	4	4,7
89	3½	90513813	137-6089-21,49-20	13	8×12,7	4×11, 1×11	35°	-	4	3,5
89	3½	90510773	137-6089-21-45,49-20	13	8×12,7	4×11, 1×11	35°	-	4	4,9
102	4	90510339	137-5102,49-20	12	8×14,5	4×14,5	40°	-	2	4,8
102	4	90510378	137-5102-45,49-20	12	8×14,5	4×14,5	40°	-	2	7,1

Cont. next page

Diameter		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	
BUTTON BIT - Spherical buttons										
102	4	90510807	137-5102-21,49-20	14	8×15,8	6×12,7	35°	1	2	5,1
102	4	90510855	137-5102-21-45,49-20	14	8×15,8	6×12,7	35°	1	2	6,9
102	4	90515365	137-5102-47,49-20	14	8×14,5	6×12,7	35°	1	4	5,1
102	4	90510343	137-6102,49-20	11	6×14,5	3×12,7, 2×12,7	35°	1	3	5,1
102	4	90510415	137-6102-45,49-20	14	8×12,7	4×12,7, 2×12,7	35°	1	4	7,2
102	4	90510824	137-6102-21,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	5,3
102	4	90510825	137-6102-21-45,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	7,2
115	4½	90510340	137-5115-20,49-20	17	9×14,5	8×12,7	35°	2	1	6,7
115	4½	90510791	137-5115-20-45,49-20	17	9×14,5	8×12,7	35°	2	1	7,0
115	4½	90510818	137-5115-21,49-20	14	8×15,8	6×14,5	35°	1	2	6,1
115	4½	90515250	137-5115-47,49-20	14	8×14,8	6×14,5	35°	1	4	5,8
115	4½	90510344	137-6115,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	5,8
115	4½	90510655	137-6115-45,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	9,5
115	4½	90510874	137-6115-21,49-20	14	8×15,8	4×14,5, 2×14,5	35°	–	4	6,0
115	4½	90510826	137-6115-21-45,49-20	16	9×14,5	6×14,5, 1×14,5	35°	–	3	9,7
127	5	90510360	137-5127,49-20	22	12×12,7	10×12,7	35°	–	2	6,8
127	5	90510361	137-5127-20,49-20	20	10×14,5	10×12,7	35°	–	2	6,8
127	5	90510790	137-5127-20-45,49-20	20	10×14,5	10×12,7	35°	–	2	11,9
127	5	90513747	137-5127-21,49-20	16	8×15,8	8×14,5	35°	1	2	6,8
127	5	90515249	137-5127-47,49-20	14	8×15,8	6×15,8	35°	–	4	8,0
127	5	90510406	137-6127,49-20	16	8×14,5	4×14,5, 4×11	35°	1	4	6,8
127	5	90510656	137-6127-45,49-20	16	8×14,5	4×14,5, 4×11	35°	1	4	11,2
127	5	90513815	137-6127-21,49-20	14	8×15,8	4×15,8, 2×12,7	35°	–	4	7,7
127	5	90513757	137-6127-21-45,49-20	14	8×15,8	4×15,8, 2×12,7	35°	–	4	11,0
140	5½	90515254	137-5140-47,49-20	14	8×15,8	6×15,8	35°	–	4	9,4
152	6	90514185	137-5152-42-24,39-20*	20	18×14,5	2×14,5	35°	1	3	10,0
BUTTON BIT - Ballistic buttons										
89	3½	90514003	137-5089-21-67,49-20	14	8×12,7	6×12,7	35°	1	2	3,7
89	3½	90514002	137-5089-21-45-67,49-20	14	8×12,7	6×12,7	35°	1	2	5,3
89	3½	90514329	137-5089-45-67,49-20	12	8×12,7	4×12,7	40°	–	2	5,0
89	3½	90513814	137-6089-21-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	3,6
89	3½	90510696	137-6089-21-45-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	4,9
89	3½	90510380	137-6089-45-67,49-20	14	8×11	4×11, 2×9	35°	1	4	4,7
102	4	90514476	137-5102-45-67,49-20	12	8×14,5	4×14,5	40°	–	2	7,0
102	4	90510841	137-5102-21-45-67,49-20	14	8×15,8	6×12,7	35°	1	2	7,0
102	4	90510346	137-6102-67,49-20	11	6×14,5	3×12,7, 2×12,7	35°	1	3	5,2
102	4	90510379	137-6102-45-67,49-20	14	8×12,7	4×12,7, 2×12,7	35°	1	4	7,2
102	4	90513756	137-6102-21-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	5,2
102	4	90515368	137-6102-21-45-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	7,2
115	4½	90510819	137-5115-21-67,49-20	14	8×15,8	6×12,7	35°	1	2	6,1
115	4½	90510407	137-6115-67,49-20	14	8×14,5	4×12,7, 2×12,7	35°	1	4	5,8
BUTTON BIT - Full-ballistic buttons (Soft rock bit)										
102	4	90514538	137-5102-47-66,49-20	14	8×14,5	6×12,7	35°	1	4	5,0
127	5	90514361	137-5127-47-66,49-20	14	8×15,8	6×15,8	35°	–	4	8,0

* For reaming, reversed flushing.

Extension rod

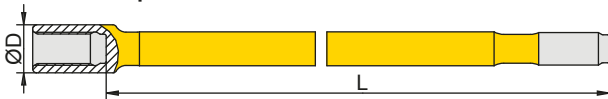
T51 (2") round rod



Surface hardened.

Length		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
3660	12	90515299		237-5137-SH,03	51,1
4270	14	90515300		237-5143-SH,03	59,5
6095	20	90515301		237-5161-SH,03	85,1

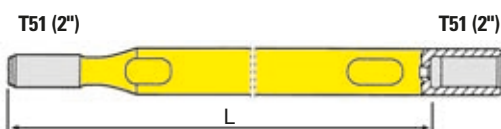
T51 (2") round Speedrod



Fully carburized. D = 72 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		Fully carburized	Surface hardened	
1525	5	90510737	237-5115-MF-C,02		25,0
1830	6	90510738	237-5118-MF-C,02		26,8
Both surface hardened and fully carburized					
3660	12	90515311	237-5137-MF,29		55,4
4270	14	90515314	237-5143-MF,29		64,0
6095	20	90515557	237-5161-MF,29		89,5

Guide tube



Fully carburized.

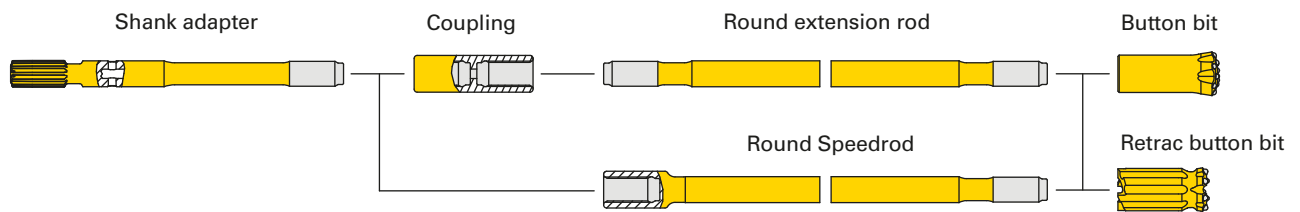
Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot			
89	3½	76	3	1830	6	94502624	237-6618,10	40,0
89	3½	76	3	3660	12	94502641	237-6637,10	79,1
102	4	87	3⅞	3660	12	94502707	237-6837,10	80,0

Coupling

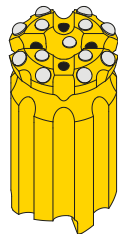
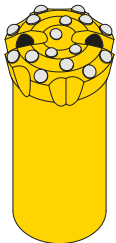


Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code T thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
51	2	72	2 ²⁷ / ₃₂	235	9¼	90515743	337-0072,10	4,0
51	2	72	2 ²⁷ / ₃₂	255	10	90515744	337-0072-57,10	4,0
51	2	77	3⅜	235	9¼	90515745	337-0077,10	4,3



Drill bit design



157-6102-41

157-6102-45

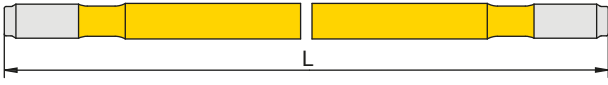
Please note text on page 44 re. finished hole size.

Drill bit

Diameter		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	
BUTTON BIT - Spherical buttons										
102	4	90515472	157-6102-41,49-20	16	8×12,7	4×14,7, 4×11	35°	–	2	8,1
102	4	90516351	157-6102-45,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	7,4
115	4½	90515470	157-6115-41,49-20	16	8×14,5	4×14,5, 4×12,7	35°	–	2	9,0
115	4½	90516063	157-6115-45,49-20	16	8×14,5	4×14,5, 4×11,0	35°	1	4	11,9
127	5	90515431	157-6127-41,49-20	16	8×15,8	4×15,8, 4×14,5	35°	–	2	10,1
127	5	90516353	157-6127-45,49-20	16	8×14,5	4×14,5, 4×11,0	35°	1	4	11,9
140	5½	90515450	157-6140-41,49-20	16	8×15,8	5×15,8, 3×15,8	35°	–	2	11,6
140	5½	90516354	157-6140-45,49-20	16	8×14,5	4×14,5, 4×12,7	35°	1	4	16,0
152	6	90515473	157-6152-41,49-20	16	8×18,0	7×15,8, 3×15,8	35°	–	2	13,5
152	6	90516352	157-6152-45,49-20	16	8×16,0	4×16,0, 4×14,5	35°	–	4	19,0
BUTTON BIT - Ballistic buttons										
102	4	90515478	157-6102-45-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	7,4
115	4½	90515477	157-6115-45-67,49-20	16	8×14,5	4×12,7, 4×11	35°	1	4	11,9
127	5	90515449	157-6127-45-67,49-20	16	8×14,5	4×14,5, 4×11	35°	1	4	11,9
140	5½	90515475	157-6140-45-67,49-20	16	8×14,5	4×14,5, 4×12,7	35°	1	4	16,0
152	6	90515480	157-6152-45-67,49-20	16	8×15,8	4×15,8, 4×14,5	35°	–	4	19,0

Extension rod

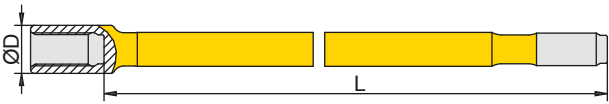
T60 (2³/₈" round rod



Fully carburized.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3630	11'10 ⁷ / ₈ "	90516270	257-6037-C,02	67,7
4240	13'10 ⁷ / ₈ "	90516271	257-6043-C,02	79,2

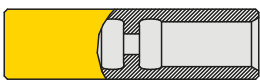
T60 (2³/₈" round Speedrod



Fully carburized. D = 85 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3630	11'10 ⁷ / ₈ "	90515453	257-6037-MF-C,02	72,0
4240	13'10 ⁷ / ₈ "	90515454	257-6043-MF-C,02	83,5
5470	17'11 ³ / ₈ "	90515455	257-6055-MF-C,02	108,5
6065	19'10 ³ / ₄ "	90515456	257-6061-MF-C,02	120,0

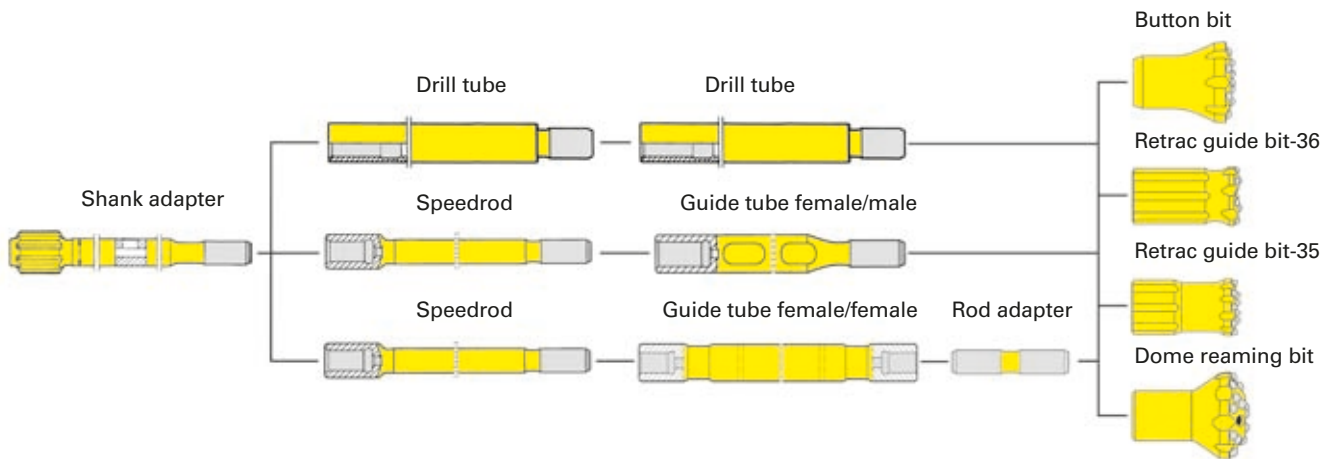
Coupling



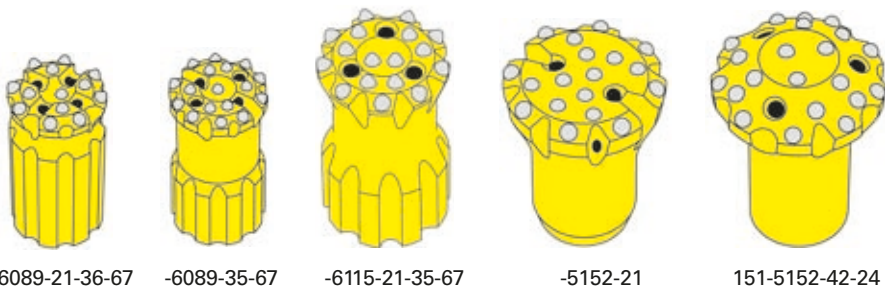
Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code T thread	Weight approx. kg
mm	inch	mm	inch	mm	inch			
60	2 ³ / ₈	85	3 ¹¹ / ₃₂	315	1'3 ³ / ₈ "	90516269	357-0085-57,10	7,9

Tube drilling system Bench and production drilling



Drill bit design



Please note text on page 44 re. finished hole size.

Drill bit

System	Thread	Diameter		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	
TDS 45	R32				See page 53							
TDS 56	T38				See page 57							
TDS 64	T45				See page 62							
TDS 76	T51				See page 66							
TDS 87	T51				See page 66							
BUTTON BIT - Spherical buttons												
TDS 76	ST58	89	3½	90510522	151-5089-21,49-20	14	8×12,7	6×12,7	35°	1	2	4,0
		102	4	90510789	151-5102-21,49-20	14	8×15,8	6×12,7	35°	1	2	5,3
		152	6	90513754	151-5152-42-24,49-20*	21	18×14,5	3×14,5	35°	3	3	10,4
TDS 87	ST68	102	4	90510494	152-5102-21,49-20	14	8×15,8	6×12,7	35°	1	2	5,5
		127	5	90514264	152-5127-21,49-20	17	8×15,8	9×14,5	35°	1	2	6,9
		152	6	90510528	152-5152-21,49-20	18	8×15,8	10×14,5	35°	1	2	11,8
		152	6	90513755	152-5152-42-24,49-20*	21	18×14,5	3×14,5	35°	3	3	11,8
BUTTON BIT - Ballistic buttons												
TDS 76	ST58	89	3½	90510831	151-6089-21-36-67,49-20	13	8×12,7	4×11, 1×11	35°	-	4	4,3
		89	3½	90513887	151-6089-35-67,49-20	17	10×11	6×11, 1×11	35°	-	4	4,1
TDS 87	ST68	102	4	90510777	152-5102-21-67,49-20	14	8×15,8	6×12,7	35°	1	2	5,5
		105	4⅛	90514291	152-6105-35-67,49-20	18	10×12,7	6×12,7, 2×12,7	35°	-	4	5,4
		115	4½	90510701	152-5115-21-67,49-20	14	8×16	6×14,5	35°	1	2	5,8
		115	4½	90514389	152-6115-21-35-67,49-20	17	9×14,5	6×14,5, 2×14,5	35°	-	3	7,2

* For reaming, reversed flushing.

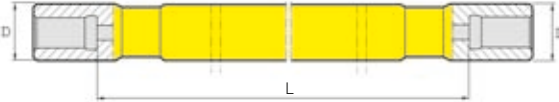
Bench and production drilling Tube drilling system

Guide tube, R32–T51 thread

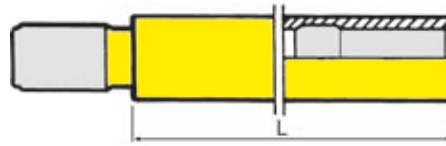
Rope/T thread, male/female



T thread, female/female, -36, -37



Drill tube, ST58, ST68 thread



TDS 76 with T45 and T51 thread: Without wrench flat.

TDS 76 with ST58 thread: Wrench flat in female end only.

TDS 87 with ST68 thread: Wrench flat in female end only.

System	Thread	Length (L)		Product No.	Product code	Outer diameter mm	Flushing hole diameter, mm	Weight approx. kg
		mm	foot					
TDS 45	R32	1220	4	94502681	203-7112,10	45	10	10,0
		1525	5	94502658	203-7115,10	45	10	12,5
		1830	6	94502659	203-7118,10	45	10	14,2
		3050	10	94502660	203-7131,10	45	10	23,4
TDS 56	T38	1220	4	94502648	235-7012,10	56	16	12,6
		1525	5	94000051	235-7015,10	56	16	14,0
		1830	6	94000052	235-7018,10	56	16	17,4
		3050	10	94000053	235-7031,10	56	16	28,3
		3660	12	94000054	235-7037,10	56	16	32,8
TDS 64	T38	3660	12	94502622	235-6937,10	64	18	51,0
TDS 64	T45	1220	4	94502687	236-6912,10	64	18	20,0
		1525	5	94000047	236-6915,10	64	18	21,6
		1830	6	94000046	236-6918,10	64	18	25,4
		1830	6	90510814	236-6918-36,10**	64	18	27,6
		1830	6	94502714	236-6918-87,10	64	18	26,0
		3050	10	94000057	236-6931-86,10	64	20	41,7
		3660	12	94000050	236-6937,10	64	18	49,0
TDS 76	T45	1830	6	94502656	236-6618,10	76	18	40,0
		3660	12	94502627	236-6637,10	76	18	77,8
TDS 76	T51	1830	6	94502624	237-6618,10	76	22	40,0
		3660	12	90513888	237-6637-37,10**	76	22	81,2
TDS 76	ST58	1525	5	94502572	251-6615,10	76	24	34,0
		1830	6	94000015	251-6618,10	76	24	40,0
		1830	6	94502715	251-6618-88,10*	76	24	40,0
TDS 87	ST68	1220	4	90514263	252-6812,10	87	38	29,6
		1525	5	94502712	252-6815,10	87	38	35,5
		1830	6	94502713	252-6818,10	87	38	41,6
		1830	6	94502710	252-6818-88,10*	87	38	43,8
		3660	12	94502709	252-6837,10	87	38	81,0

* C-Drive.

** Female/female.

Tube drilling system **Bench and production drilling**

Rod adapter



Fully carburized.

To be used together with female/female guide tube.

Length		Thread	Product No.	Product code	Weight approx. kg
mm	inch				
220	8 ⁵ / ₈	T45	90510815	236-4902-C,00	1,9
250	9 ⁷ / ₈	T51	90514708	237-5102-C,10	2,7

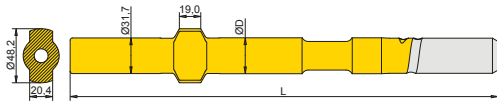




Shank adapters

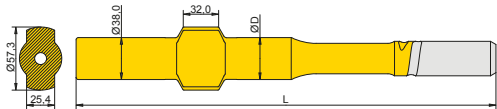
Atlas Copco	76
Boart, Böhler, Cannon	86
Furukawa	87
Gardner Denver	88
Ingersoll Rand	90
Joy	92
Krupp, Montabert	93
Secoma, SIG	95
Sandvik/Tamrock	96

Atlas Copco BBC 42, BBC 44, BBC 100



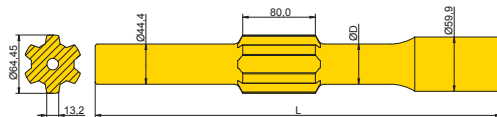
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515858	403-00131,10	380	32,0	2,1	9-11
T38 (1½")	90515873	435-00131,10	380	32,0	2,3	9-11

Atlas Copco BBC 54, BBC 120



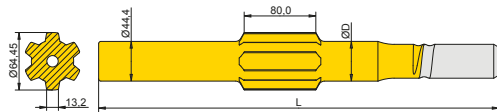
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516156	403-01131,10	380	38,0	2,6	9-11
R38 (1½")	90516168	404-01131,10	390	38,0	3,1	9-11
T38 (1½")	90516180	435-01131,10	390	38,0	3,1	9-11

Atlas Copco BBE 57



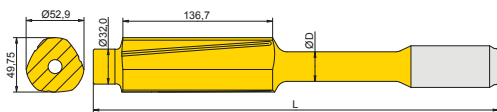
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516286	435-12151-F,10	447	45,0	5,9	14,3

Atlas Copco BBE 57



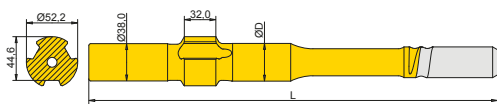
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516276	404-12151,10	447	45,0	5,0	14,3
T38 (1½")	90516287	435-12152,10	540	45,0	5,3	14,3
T45 (1¾")	90516303	436-12154,10	550	45,0	5,9	14,3

Atlas Copco COP 115, COP 925/928 without collar



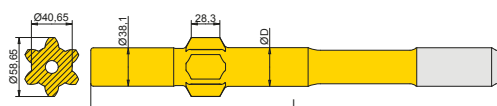
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515984	435-06531,10	370	27,0	3,0	9-11

Atlas Copco COP 125, COP 130, COP 131



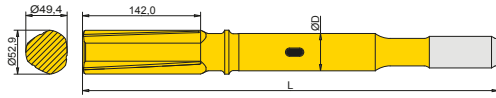
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515886	403-02651,10	415	38,3	2,7	14,3
T38 (1½")	90515979	435-02652,10	380	38,3	3,0	14,3
T45 (1¾")	90515994	436-02652,10	380	38,3	3,0	14,3

Atlas Copco COP 131 EB



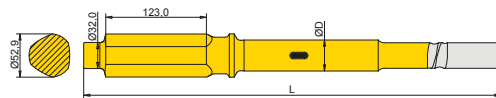
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516192	435-09951,10	405	38,3	3,2	14,3

Atlas Copco COP 738, Atlas Copco COP A15



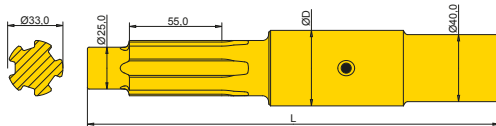
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515991	435-12701,10	500	45,0	5,7	–

Atlas Copco COP 925/928, COP 932/938 with collar



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516085	403-07603,10	510	38,0	4,7	–
R32 (1¼")	90516086	403-07606,10	565	38,0	5,0	–
R38 (1½")	90516097	404-07603,10	510	38,0	5,0	–
T38 (1½")	90516119	435-07603,10	510	38,0	5,0	–

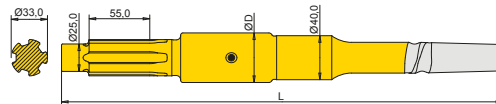
Atlas Copco COP 1028



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R25 (1")	90515857	402-07201-F,10	245	45,0	1,7	–
R28 (1⅛")	90515865	407-07201-F,10	245	45,0	1,7	–

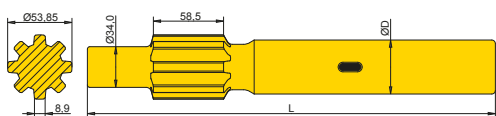
Atlas Copco COP 1028



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1⅛")	90515866	407-07202,10	400	45,0	2,6	–
SR28 (1⅛")	90515870	425-07202,10	400	45,0	2,7	–
R32 (1¼")	90515860	403-07202,10	400	45,0	2,8	–

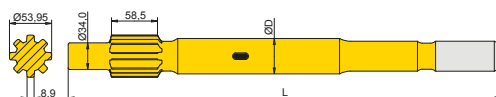
Atlas Copco COP 1032



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1⅛")	90516104	407-02002-F,10	340	45,0	3,0	–
R32 (1¼")	90515883	403-02002-F,10	340	45,0	3,4	–
R38 (1½")	90516169	404-02002-F,10	340	55,0	4,1	–

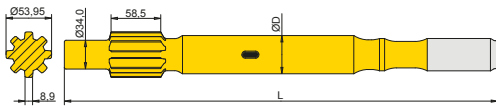
Atlas Copco COP 1032



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1⅛")	90515970	407-02003,10	550	45,0	5,0	–
R32 (1¼")	90515884	403-02003,10	550	45,0	5,0	–
T38 (1½")	90515977	435-02003,10	550	45,0	5,4	–

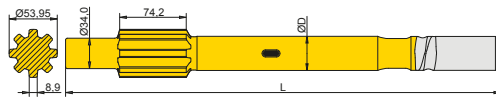
Atlas Copco COP 1032 HL



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515885	403-02006,10	510	45,0	4,9	–
TC35 (1⅜")	90516340	469-02006,10	510	45,0	4,9	–
T38 (1½")	90515978	435-02006,10	510	45,0	5,0	–

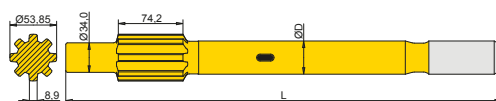
Atlas Copco COP 1036, COP 1038, COP 1238



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515890	403-03004,10	485	38,0	4,0	–
R32 (1¼")	90515891	403-03004-30,10	485	38,0	4,0	–
SR35 (1⅜")	90515974	428-03004,10	485	38,0	4,1	–
R38 (1½")	90515961	404-03004,10	485	38,0	4,2	–
R38 (1½")	90515962	404-03004-30,10	485	38,0	4,3	–
T38 (1½")	90515983	435-03004,10	485	38,0	4,2	–

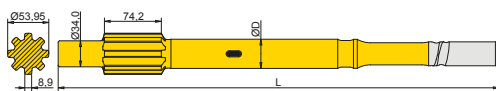
Atlas Copco COP 1036, COP 1038, COP 1238



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515887	403-03002,10	500	38,0	4,0	–
T38 (1½")	90515980	435-03002,10	500	38,0	4,4	–
T45 (1¾")	90515995	436-03002,10	500	45,0	5,0	–

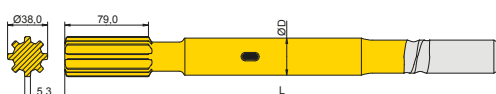
Atlas Copco COP 1036, COP 1038, COP 1238



Bench drilling, longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515888	403-03003,10	575	38,0	4,6	–
R38 (1½")	90515899	404-03003,10	575	38,0	4,7	–
T38 (1½")	90515981	435-03003,10	575	38,0	4,9	–
T45 (1¾")	90515996	436-03003,10	575	45,0	5,8	–
R32 (1¼")	90515889	403-03003-13,10	575	45,0	5,2	–
TC35 (1⅜")	90516341	469-03003-13,10	575	45,0	5,4	–
R38 (1½")	90515900	404-03003-13,10	575	45,0	5,4	–
T38 (1½")	90515982	435-03003-13,10	575	45,0	5,4	–

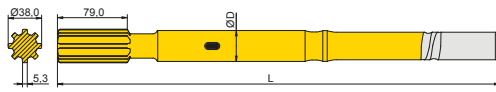
Atlas Copco COP 1132



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1⅜")	90515869	407-15701,10	410	35,0	2,4	–
SR28 (1⅜")	90515871	425-15701,10	410	35,0	2,4	–
R32 (1¼")	90515862	403-15701,10	410	35,0	2,5	–

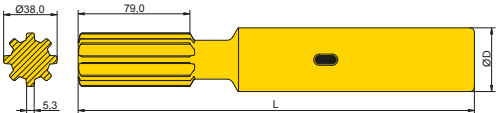
Atlas Copco COP 1132



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1 1/8")	90516069	407-15704,10	500	35,0	2,8	-
SR28 (1 1/8")	90515872	425-15704,10	500	35,0	2,8	-
R32 (1 1/4")	90515864	403-15704,10	500	35,0	3,0	-

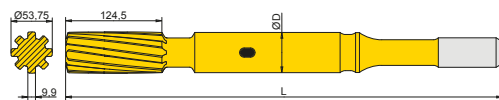
Atlas Copco COP 1132



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515863	403-15703-F,10	280	45,0	2,4	-

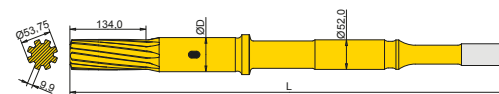
Atlas Copco COP 1240



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515834	403-13302,10	565	52,0	6,4	-
TC35 (1 3/8")	90516343	469-13302,10	565	52,0	6,4	-
T38 (1 1/2")	90516125	435-13302,10	565	52,0	6,6	-

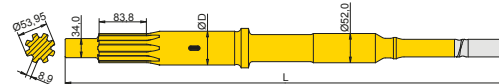
Atlas Copco COP 1240 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516289	435-13402,10	770	60,0	10,7	-

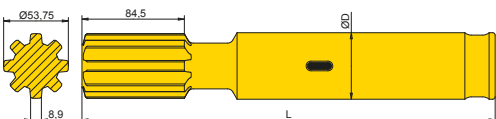
Atlas Copco COP 1338 Extractor



Bench drilling, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516273	403-03102,10	780	60,0	10,1	-
T38 (1 1/2")	90516278	435-03102,10	780	60,0	10,2	-
T45 (1 3/4")	90516293	436-03102,10	780	60,0	10,4	-

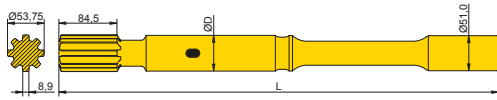
Atlas Copco COP 1432, COP 1532



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516167	403-13203-F,10	341	55,0	4,7	-
R38 (1 1/2")	90516172	404-13203-F,10	341	55,0	4,4	-
T38 (1 1/2")	90516195	435-13203-F,10	341	55,0	4,4	-

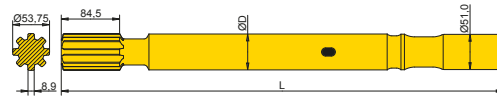
Atlas Copco COP 1440, COP 1838



Bolting – SDA*

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516089	403-09104-F,10	640	52,0	7,5	–
R38 (1½")	90516100	404-09104-F,10	650	52,0	7,9	–

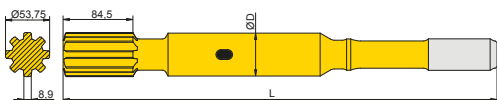
Atlas Copco COP 1440, COP 1838



Bolting – SDA*, IRIA**

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515896	403-09106-F,10	640	52,0	9,1	–
R38 (1½")	90515967	404-09106-F,10	650	52,0	8,9	–

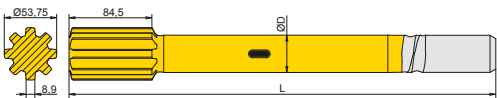
Atlas Copco COP 1440, COP 1550, COP 1838



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516158	403-09103-18,10	525	52,0	5,7	–
TC35 (1⅜")	90516342	469-09103-18,10	525	52,0	5,8	–
T38 (1½")	90516184	435-09103-18,10	525	52,0	5,9	–
T45 (1¾")	90516206	436-09103,10	525	52,0	6,1	–
T51 (2")	90516217	437-09103,10	525	52,0	6,5	–

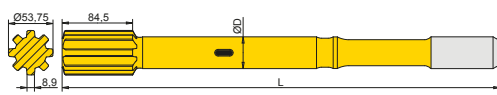
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516087	403-09101,10	435	38,0	3,6	–
R38 (1½")	90516098	404-09101,10	435	38,0	3,9	–
T38 (1½")	90516120	435-09101,10	435	38,0	3,8	–
SR38 (1½")	90516106	427-09101,10	435	38,0	3,7	–

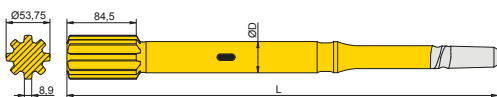
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516088	403-09103,10	525	38,0	4,2	–
R38 (1½")	90516099	404-09103,10	525	38,0	4,3	–
T38 (1½")	90516121	435-09103,10	525	38,0	4,3	–
SR38 (1½")	90516107	427-09103,10	525	38,0	4,7	–

Atlas Copco COP 1532



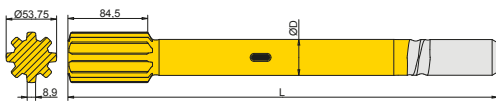
Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight	Flushing tube mm
SR28 (1⅜")	90516105	425-09103,10	525	38,0	4,0	–

* SDA = Self-Drilling Anchor

** IRIA = Integrated Rotary Injection Adapter

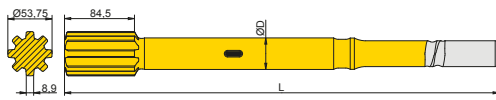
Atlas Copco COP 1638, COP 1838 AW



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516101	404-09108-30,10	455	38,0	4,1	–
T38 (1½")	90516122	435-09108-30,10	455	38,0	4,1	–

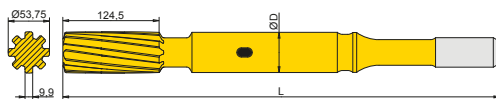
Atlas Copco COP 1638, COP 1838 AW



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516159	403-0910A-30,10	525	38,0	4,3	–
T38 (1½")	90516185	435-0910A-30,10	525	38,0	4,5	–

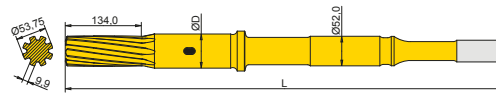
Atlas Copco COP 1640



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC35 (1¾")	90516343	469-13302,10	565	52,0	6,4	–
T38 (1½")	90516125	435-13302,10	565	52,0	6,6	–

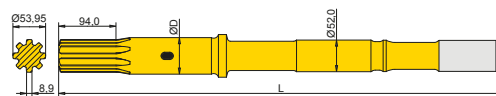
Atlas Copco COP 1640 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516289	435-13402,10	770	60,0	10,7	–

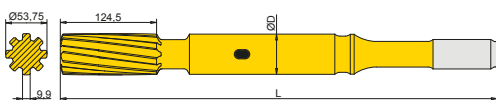
Atlas Copco COP 1838 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516288	435-12304,10	730	60,0	9,8	–
T45 (1¾")	90516304	436-12304,10	730	60,0	10,2	–
T51 (2")	90516316	437-12304,10	730	60,0	10,4	–

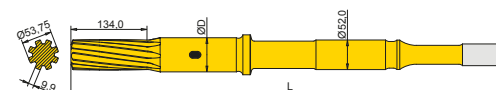
Atlas Copco COP 1840



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516128	436-13302,10	565	52,0	6,8	–
T51 (2")	90516129	437-13302,10	565	52,0	7,2	–

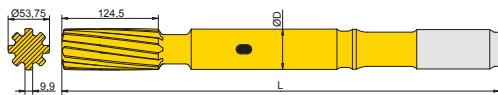
Atlas Copco COP 1840 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516305	436-13402,10	770	60,0	10,8	–
T51 (2")	90516317	437-13402,10	770	60,0	10,9	–

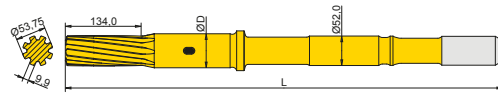
Atlas Copco COP 1850



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516225	437-13302-05,10	565	52,0	7,2	–

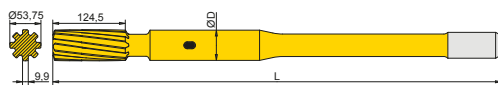
Atlas Copco COP 1850 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516226	437-13402-05,10	770	60,0	10,9	–

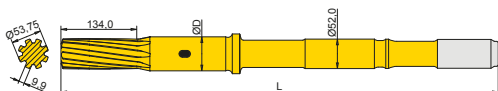
Atlas Copco COP 2150



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90515998	436-13303,10	770	52,0	8,5	–
T51 (2")	90515999	437-13303,10	770	52,0	9,2	–

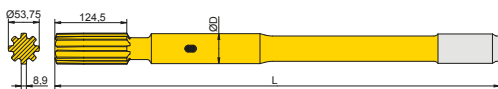
Atlas Copco COP 2150 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516305	436-13402,10	770	60,0	10,8	–
T51 (2")	90516317	437-13402,10	770	60,0	10,9	–

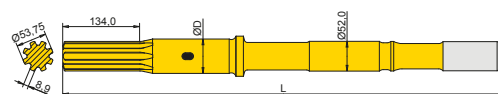
Atlas Copco COP 2150, COP 2550



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516000	437-16001,10	770	52,0	9,9	–

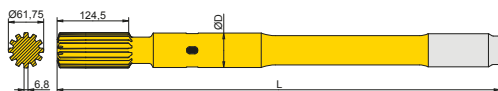
Atlas Copco COP 2150, COP 2550 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516319	437-15301,10	770	60,0	11,0	–

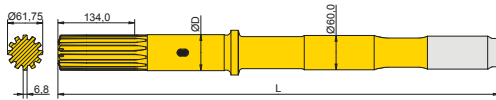
Atlas Copco COP 2160



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516216	436-17301,10	770	60,0	10,9	–
T51 (2")	90516220	437-17301,10	770	60,0	11,0	–

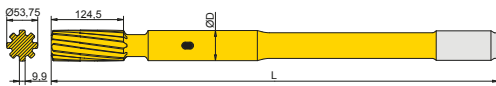
Atlas Copco COP 2160 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516035	436-17201,10	770	63,0	13,2	–
T51 (2")	90516048	437-17201,10	770	63,0	13,3	–

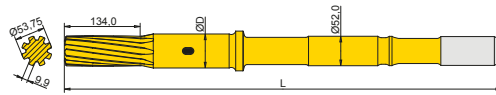
Atlas Copco COP 2550



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90515999	437-13303,10	770	52,0	9,2	–

Atlas Copco COP 2550 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516317	437-13402,10	770	60,0	10,9	–

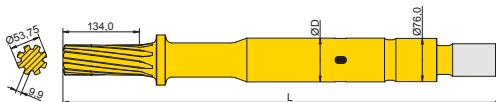
Atlas Copco COP 2550 UX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516030	436-13404,10	770	60,0	12,9	–
T51 (2")	90516041	437-13404,10	770	60,0	13,1	–

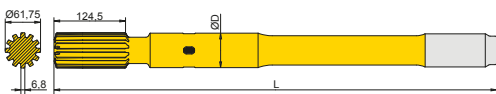
Atlas Copco COP 2550 UX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 3/32")	90514970	451-13405-05-T,10	770	77,0	17,5	–

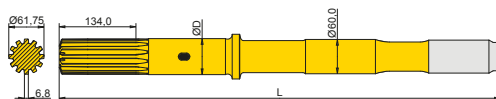
Atlas Copco COP 2560



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516220	437-17301,10	770	60,0	11,0	–
T60 (2 3/8")	90516221	457-17301,10	770	60,0	12,4	–

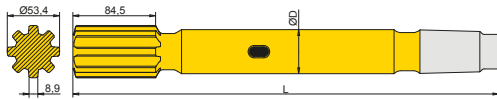
Atlas Copco COP 2560 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516048	437-17201,10	770	63,0	13,3	–
T60 (2 3/8")	90516053	457-17201,10	770	63,0	14,0	–

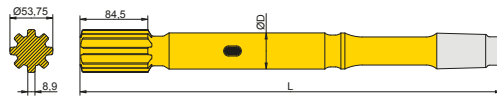
Atlas Copco COP 3038



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC45 (1¾")	90516130	470-16901-13-30,10	435	45,0	4,8	-

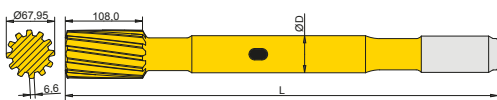
Atlas Copco COP 3038



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC45 (1¾")	90515666	470-16903-13-30,10	525	45,0	5,2	-

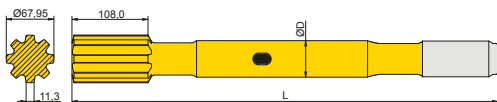
Atlas Copco COP 4050 ME



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516318	437-14801,10	605	52,0	8,9	-
T60 (2¾")	90516320	457-14802,10	700	70,0	14,7	-

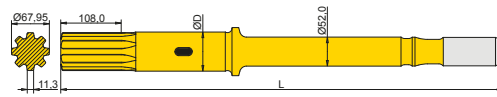
Atlas Copco COP 4050 (L)



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516315	437-11904,10	605	52,0	8,9	-

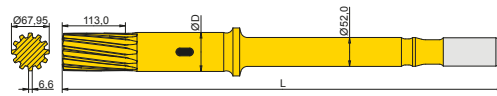
Atlas Copco COP 4050 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516321	437-12001,10	790	70,0	14,7	-

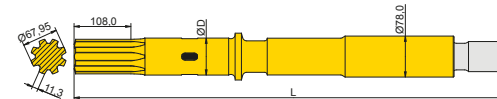
Atlas Copco COP 4050 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516324	437-14501,10	790	70,0	14,6	-

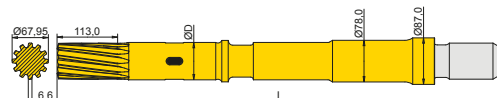
Atlas Copco COP 4050 Extractor



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2¾")	90510252	451-12005-T,10	835	70,0	21,8	-

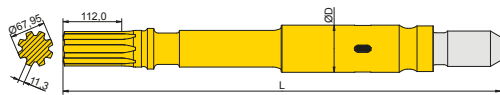
Atlas Copco COP 4050 Extractor



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST68 (2⅞")	90510657	452-14501-T,10	835	70,0	21,7	-

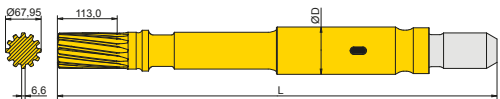
Atlas Copco COP 4050 MUX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 ⁹ / ₃₂ "	90514632	451-12004-T,10	835	90,0	26,8	–
ST68 (2 ¹¹ / ₁₆ "	90514316	452-12008-T,10	835	90,0	26,9	–

Atlas Copco COP 4050 MUX



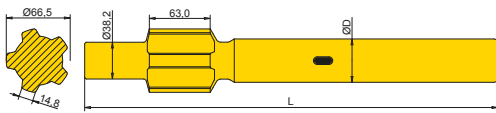
Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST68 (2 ¹¹ / ₁₆ "	90516325	452-14502-30-T,10	835	90,0	27,0	–

Shank adapters

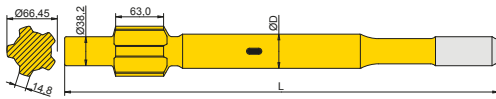
Boart, Böhler, Cannon

Boart HD 125, HD 150, HE 125, HE 150



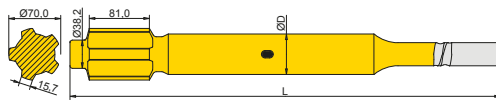
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516274	403-08005-F,10	428	45,0	5,1	-

Boart HD 125, HD 150, HE 125, HE 150



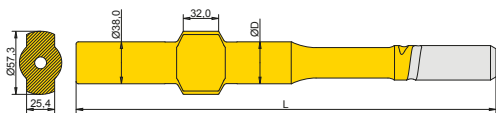
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516282	435-08003,10	570	45,0	6,2	-

Boart HD 155



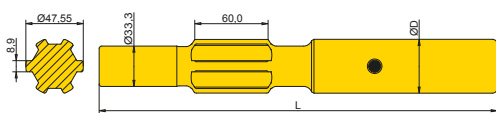
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516275	403-15601,10	580	54,6	8,6	-

Böhler HM 751



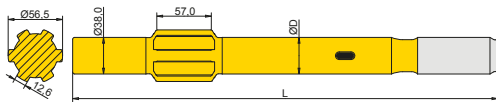
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516156	403-01131,10	380	38,0	2,6	9-11
R38 (1 1/2")	90516168	404-01131,10	390	38,0	3,1	9-11
T38 (1 1/2")	90516180	435-01131,10	390	38,0	3,1	9-11

Cannon CH-32, Cannon CH-38



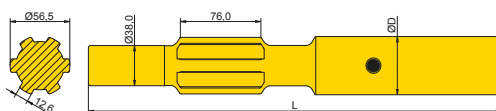
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1 1/8")	90515868	407-15201-F,10	328	44,4	2,9	-
R32 (1 1/4")	90515861	403-15201-F,10	328	44,4	2,8	-

Cannon CH-38



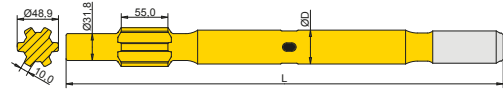
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516117	435-06902,10	440	38,0	4,0	-

Cannon CH-38



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516118	435-06904-F,10	390	55,0	4,9	-

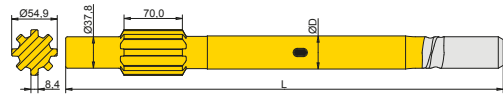
Furukawa HD 90



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90515969	404-14401,10	515	40,0	4,3	–

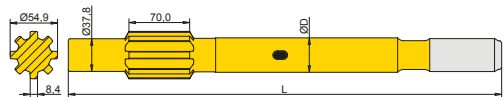
Furukawa HD 150



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516102	404-10001,10	525	39,8	4,9	–
T38 (1½")	90516123	435-10001,10	525	39,8	4,9	–

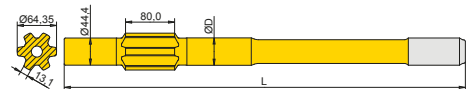
Furukawa HD 190



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516103	404-10002,10	500	39,8	4,5	–
T38 (1½")	90516124	435-10002,10	500	39,8	4,5	–

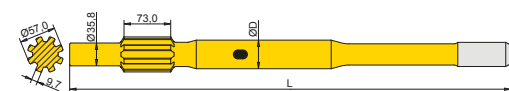
Furukawa HD 300



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516388	435-08861,10	654	44,7	6,0	16,0
T45 (1¾")	90502638	436-08861,00	654	44,7	6,7	16,0

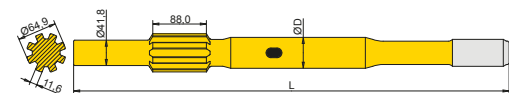
Furukawa HD 609



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516197	435-13802,10	690	44,7	6,3	–
T45 (1¾")	90510276	436-13801,00	620	44,7	6,4	–

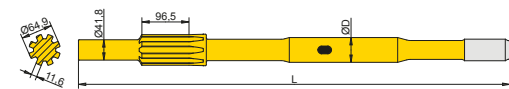
Furukawa HD 612



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516308	436-14901,10	715	50,8	8,9	–

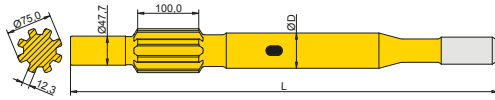
Furukawa HD 612 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516311	436-14101,10	884	50,8	11,2	–

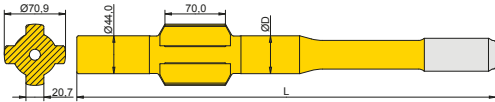
Furukawa HD 615



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516029	436-13101,10	700	57,8	11,5	–
T51 (2")	90516040	437-13101,10	700	57,8	11,7	–

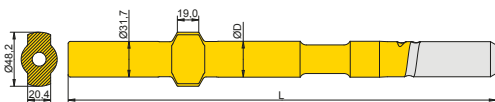
Furukawa PD 200



Drifting

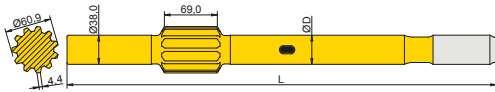
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516024	435-07751,10	485	44,0	5,0	14,3
T45 (1¾")	90516025	436-07751,10	485	44,0	5,4	14,3

Gardner Denver 93



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515858	403-00131,10	380	32,0	2,1	9-11
T38 (1½")	90515873	435-00131,10	380	32,0	2,3	9-11

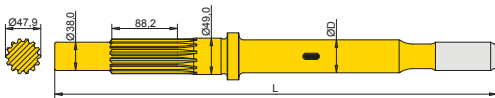
Gardner Denver HPR-C, HPRH-D



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516196	435-13601,10	560	38,0	5,2	–

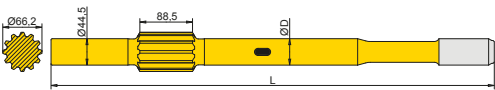
Gardner Denver HPR 1



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516181	435-04102,10	595	44,4	6,5	–

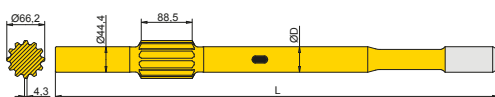
Gardner Denver HPR 1H



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516295	436-06702,10	745	44,4	8,5	–

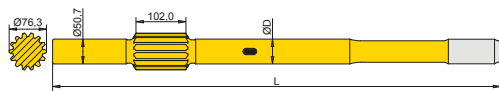
Gardner Denver HPR 45



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516296	436-06703,10	770	44,4	9,0	–

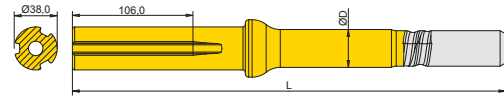
Gardner Denver HPR 2



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516322	437-12601,10	914	50,7	14,0	-

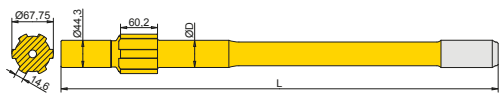
Gardner Denver PR 55, PR 123



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515880	403-01322,10	381	33,4	3,6	8,0

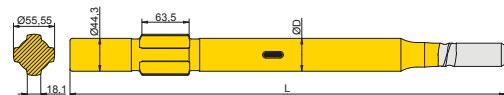
Gardner Denver PR 66



Bench drilling

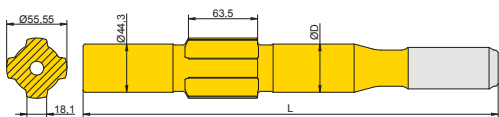
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516279	435-05961,10	711	44,3	6,4	16,0
T45 (1¾")	90516294	436-05961,10	711	44,3	7,4	16,0

Gardner Denver PR 123



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516082	403-03205,10	585	44,3	6,2	-

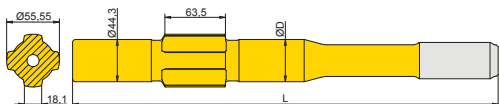
Gardner Denver PR 123



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516084	403-03251,10	381	44,3	3,4	14,3
R38 (1½")	90516095	404-03251,10	381	44,3	3,6	14,3
T38 (1½")	90516115	435-03251,10	381	44,3	3,7	14,3
T45 (1¾")	90516127	436-03251,10	381	44,3	3,9	14,3

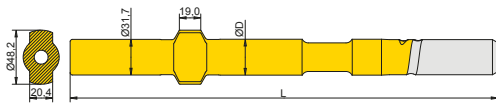
Gardner Denver PR 123



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516116	435-03254,10	446	44,3	4,0	14,3

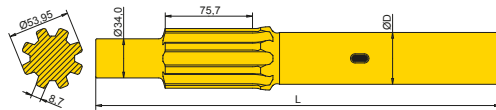
Ingersoll Rand 350



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515858	403-00131,10	380	32,0	2,1	9-11
T38 (1½")	90515873	435-00131,10	380	32,0	2,3	9-11

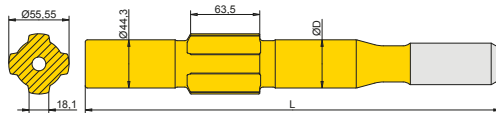
Ingersoll Rand Hydrastar 200



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516090	403-10101-F,10	351	45,0	3,7	-

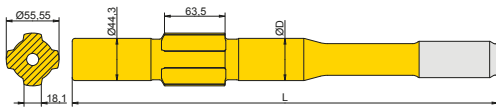
Ingersoll Rand VL 120, VL 140



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516084	403-03251,10	381	44,3	3,4	14,3
R38 (1½")	90516095	404-03251,10	381	44,3	3,6	14,3
T38 (1½")	90516115	435-03251,10	381	44,3	3,7	14,3
T45 (1¾")	90516127	436-03251,10	381	44,3	3,9	14,3

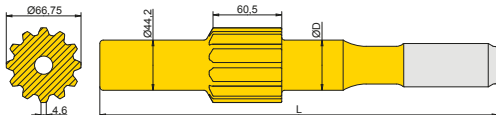
Ingersoll Rand VL 120, VL 140



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516116	435-03254,10	446	44,3	4,0	14,3

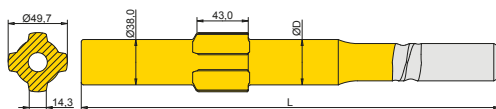
Ingersoll Rand EVL 130, VL 140



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516292	435-17101,10	350	44,2	3,9	14,3
T45 (1¾")	90516310	436-17101,10	350	44,2	4,2	14,3

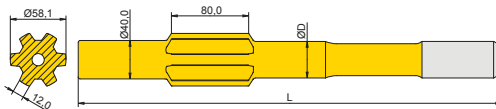
Ingersoll Rand YD 90 M



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515881	403-01631,10	350	38,0	2,6	9-11
R32 (1¼")	90515882	403-01671,10	350	38,0	2,5	12,7

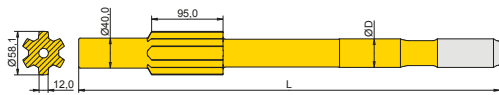
Ingersoll Rand YH 45, YH 50, YH 55



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516200	435-16461,10	440	38,0	3,8	16,0

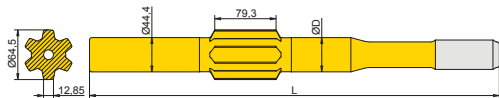
Ingersoll Rand YH 50 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516201	435-16462,10	560	38,0	4,9	16,0

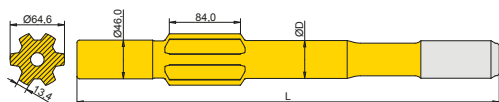
Ingersoll Rand YH 60A



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516309	436-16851,10	530	44,3	6,1	14,3

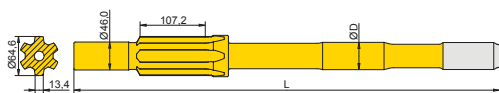
Ingersoll Rand YH 65, YH 70



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516283	435-10791,10	500	45,0	5,2	19,0
T45 (1¾")	90516299	436-10791,10	500	45,0	5,5	19,0

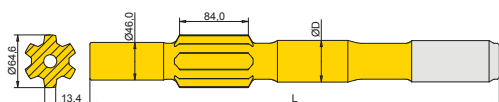
Ingersoll Rand YH 65 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516285	435-10792,10	700	45,0	7,8	19,0
T45 (1¾")	90516301	436-10792,10	700	45,0	7,9	19,0

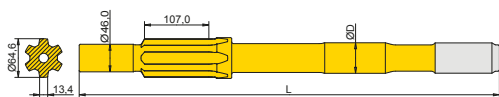
Ingersoll Rand YH 80A



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516284	435-10791-17,10	500	51,0	5,5	19,0
T45 (1¾")	90516300	436-10791-17,10	500	51,0	5,7	19,0
T51 (2")	90516313	437-10791,10	500	51,0	6,4	19,0

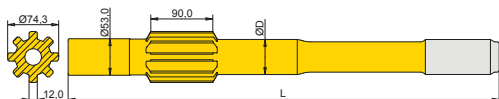
Ingersoll Rand YH 80A RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516302	436-10792-17,10	700	51,0	8,8	19,0
T51 (2")	90516314	437-10792,10	700	51,0	9,3	19,0

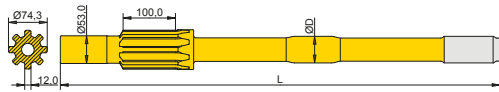
Ingersoll Rand YH 95, YH 100



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516042	437-13791,10	625	51,0	8,2	23,0

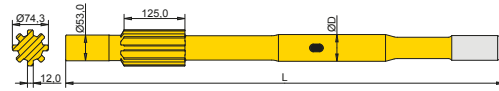
Ingersoll Rand YH 95 RP, YH 100 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516039	437-11791,10	840	51,0	11,6	23,0

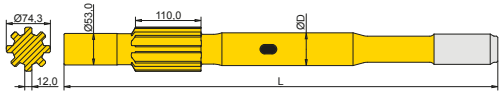
Ingersoll Rand YH 110 VRP, Y 135 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516323	437-13901,10	900	55,0	14,2	-

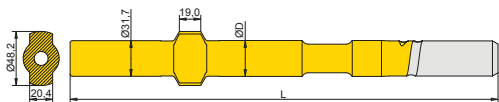
Ingersoll Rand YH 110 V, YH 135



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516032	436-13905,10	728	55,0	11,4	-
T51 (2")	90516043	437-13905,10	728	55,0	11,7	-

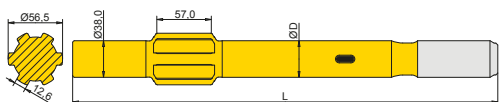
Joy 400 RR



Bench drilling

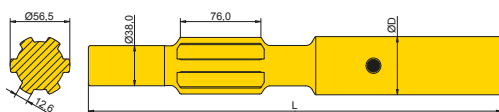
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515858	403-00131,10	380	32,0	2,1	9-11
T38 (1 1/2")	90515873	435-00131,10	380	32,0	2,3	9-11

Joy JH 2



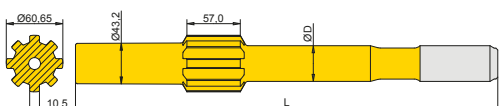
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516117	435-06902,10	440	38,0	4,0	-

Joy JH 2



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516118	435-06904-F,10	390	55,0	4,9	-

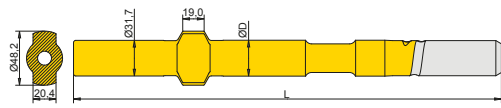
Joy VCR 260



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516182	435-05261,10	451	38,1	3,9	16,0

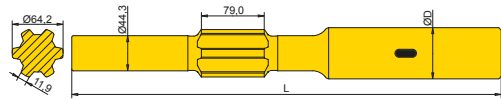
Krupp HB 51



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515858	403-00131,10	380	32,0	2,1	9-11
T38 (1½")	90515873	435-00131,10	380	32,0	2,3	9-11

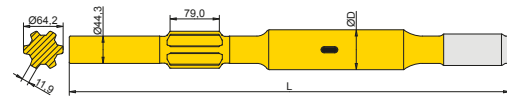
Krupp HB 101



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516297	436-07901-F,10	540	64,4	8,7	-

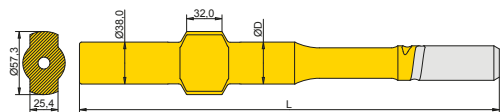
Krupp HB 101



Bench drilling

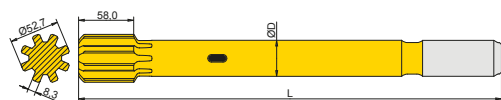
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516281	435-07902,10	690	64,4	10,9	-
T45 (1¾")	90516298	436-07902,10	690	64,4	11,0	-
T51 (2")	90516312	437-07902,10	711	64,4	11,7	-

Montabert H 50, H 60, H 70



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516156	403-01131,10	380	38,0	2,6	9-11
R38 (1½")	90516168	404-01131,10	390	38,0	3,1	9-11
T38 (1½")	90516180	435-01131,10	390	38,0	3,1	9-11

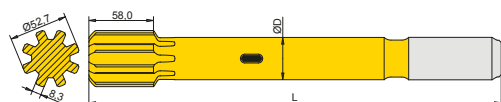
Montabert HC 40



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515894	403-08501,10	445	38,0	3,5	-
R38 (1½")	90515965	404-08501,10	445	38,0	4,0	-
T38 (1½")	90515988	435-08501,10	445	38,0	3,8	-

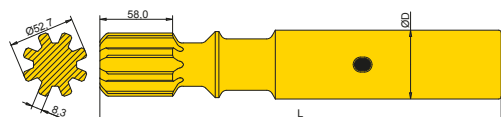
Montabert HC 40



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515895	403-08504,10	370	38,0	3,0	-
R38 (1½")	90515966	404-08504,10	370	38,0	3,3	-
T38 (1½")	90515989	435-08504,10	370	38,0	3,2	-

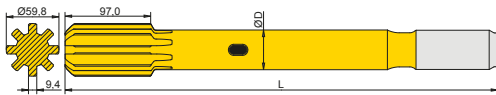
Montabert HC 40



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516183	435-08505-F,10	320	55,0	4,1	-

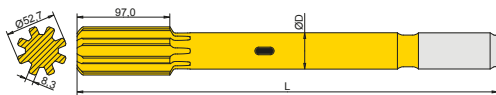
Montabert HC 80, HC 120



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516202	436-08201,10	490	45,0	5,6	–
T45 (1 3/4")	90516203	436-08203,10	590	45,0	6,4	–

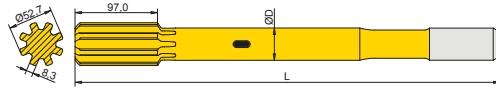
Montabert HC 80, HC 90, HC 105, HC 120



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515893	403-08101,10	440	38,0	3,6	–
R38 (1 1/2")	90515964	404-08101,10	440	38,0	3,9	–
T38 (1 1/2")	90515985	435-08101,10	440	38,0	3,9	–

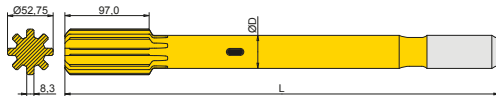
Montabert HC 80, HC 90, HC 105, HC 120



Bench drilling

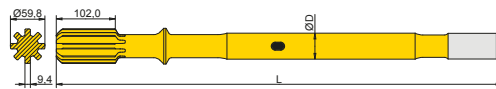
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90515986	435-08102,10	500	38,0	4,2	–

Montabert HC 80, HC 90, HC 105, HC 120



Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90515987	435-08103,10	500	38,0	4,4	–

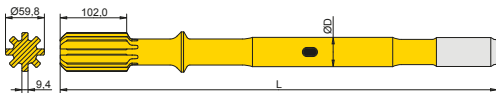
Montabert HC 80 RP, HC 105 RP, HC 107 RP, HC 108 RP, HC 109 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516193	435-11502-11,10	770	45,0	8,4	–
T45 (1 3/4")	90516215	436-11502-11,10	770	45,0	8,6	–

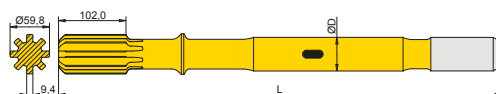
Montabert HC 80 RP, HC 105 RP, HC 107 RP, HC 108 RP, HC 109 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516213	436-11501-11,10	670	45,0	7,5	–

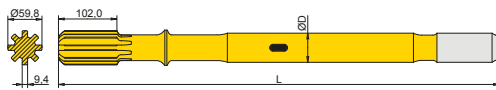
Montabert HC 120 RP, HC 150 RP, HC 155 RP, HC 158 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516212	436-11501,10	670	51,0	8,8	–
T51 (2")	90516218	437-11501,10	670	51,0	8,9	–

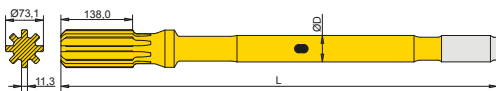
Montabert HC 120 RP, HC 150 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516214	436-11502,10	770	51,0	10,2	-
T51 (2")	90516219	437-11502,10	770	51,0	10,3	-

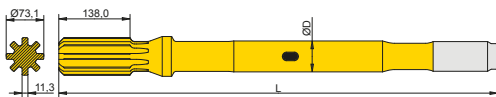
Montabert HC 200



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516045	437-15001,10	840	51,0	13,2	-

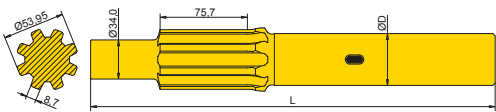
Montabert HC 200 A



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516046	437-15002,10	865	60,0	16,3	-
T60 (2 3/8")	90516050	457-15003,10	850	60,0	16,9	-

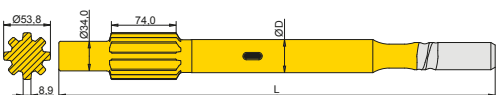
Secoma



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516090	403-10101-F,10	351	45,0	3,7	-

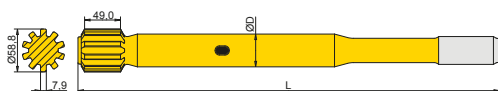
SIG HBM 100, HBM 150



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515892	403-06601,10	500	38,0	4,0	-

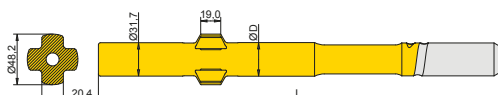
Sandvik/Tamrock HLX 5, HFX 5



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516173	404-15401,10	500	45,0	5,2	–
T38 (1½")	90516198	435-15401,10	500	45,0	5,1	–
SR38 (1½")	90516177	427-15401,10	500	45,0	5,3	–
T38 (1½")	90516199	435-15402,10	575	45,0	5,7	–

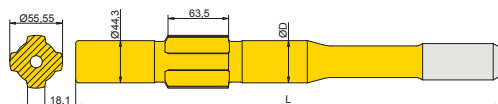
Sandvik/Tamrock L 400, L 500



Bolting, drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515859	403-00731,10	380	32,0	2,0	9-11

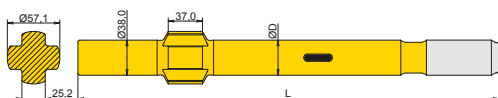
Sandvik/Tamrock L 600, L 750



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516116	435-03254,10	446	44,3	4,0	14,3

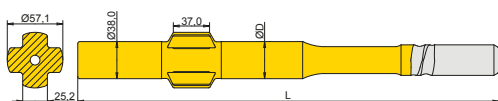
Sandvik/Tamrock 438 LS, 438 TS, HL 538, HL 538 L, L 550 S



Bench drilling, drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516078	403-01705,10	450	38,0	3,8	–
R38 (1½")	90516091	404-01705,10	450	38,0	4,4	–
T38 (1½")	90516111	435-01705,10	455	38,0	4,0	–

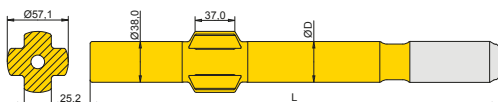
Sandvik/Tamrock 438, 538



Bench drilling, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516079	403-01779,10	430	38,0	3,0	12,7

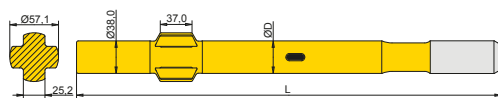
Sandvik/Tamrock 438, 538



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516113	435-01774,10	380	38,0	3,0	12,7

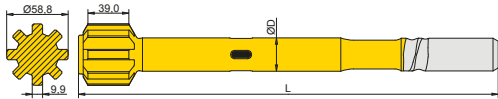
Sandvik/Tamrock 438, 538



Bench drilling, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516112	435-01706,10	495	38,0	4,2	–

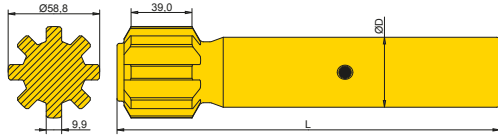
Sandvik/Tamrock HL 300



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516166	403-12502,10	400	32,0	2,6	-

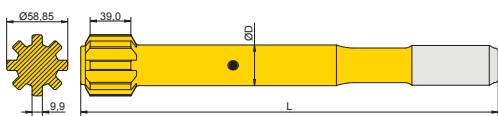
Sandvik/Tamrock HL 300 S



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516165	403-12501-F,10	245	45,0	2,6	-

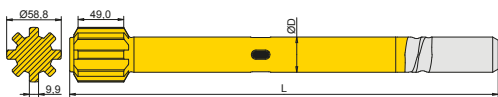
Sandvik/Tamrock HL 300 S



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516194	435-12503,10	400	39,0	3,5	-

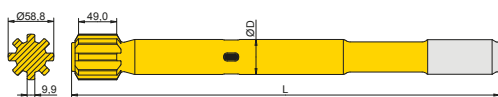
Sandvik/Tamrock HL 500



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90514354	404-09403,00	500	38,0	3,7	-

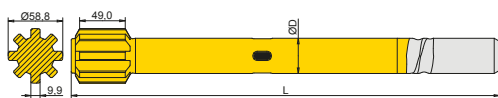
Sandvik/Tamrock HL 500



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516187	435-09402-13,10	550	45,0	5,3	-
T45 (1¾")	90516207	436-09402,10	550	45,0	6,0	-

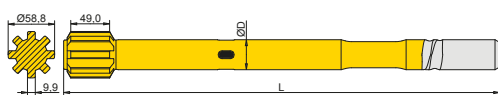
Sandvik/Tamrock HL 500, HL 500 S



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516160	403-09401,10	460	38,0	3,9	-
R38 (1½")	90516170	404-09401,10	460	38,0	4,2	-
T38 (1½")	90516186	435-09401,10	460	38,0	4,2	-

Sandvik/Tamrock HL 500, HL 500 S



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516163	403-09405,10	550	38,0	4,3	-
T38 (1½")	90516189	435-09405,10	550	38,0	4,6	-

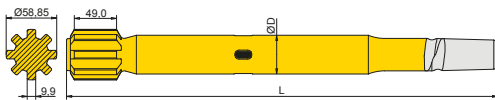
Sandvik/Tamrock HL 500 S



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516161	403-09401-13,10	460	45,0	4,9	-

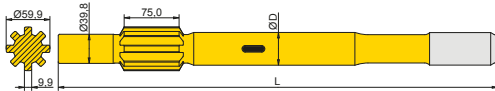
Sandvik/Tamrock HL 500, HL 500 S, HL 550 S, HL 560 S



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516171	404-09403-13,10	500	45,0	5,3	–
T38 (1½")	90516188	435-09403-13,10	500	45,0	5,3	–
SR38 (1½")	90516176	427-09403-13,10	500	45,0	5,4	–

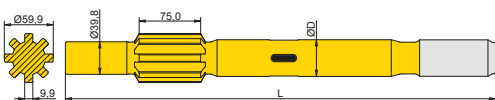
Sandvik/Tamrock HL 600, HL 600 S



Bench drilling, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90503183	403-09501,00	600	45,0	6,0	–
T38 (1½")	90516190	435-09501,10	600	45,0	6,0	–
T45 (1¾")	90516209	436-09501,10	600	45,0	6,4	–

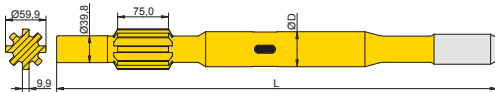
Sandvik/Tamrock HL 600, HL 600 S



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516191	435-09502,10	525	45,0	5,6	–
T45 (1¾")	90516210	436-09502,10	525	45,0	5,8	–

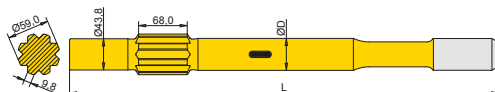
Sandvik/Tamrock HL 600, HL 600 S



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516211	436-09503,10	650	52,0	8,3	–

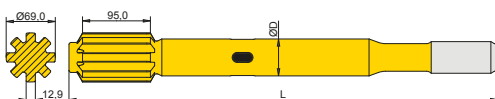
Sandvik/Tamrock HL 645, HL 645 S



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90502270	436-08302,00	600	45,0	6,5	–

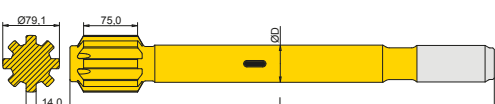
Sandvik/Tamrock HL 700, HL 800



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516306	436-14001,10	600	45,0	7,2	–
T38 (1½")	90516290	435-14001-18,10	600	52,0	8,0	–
T45 (1¾")	90516307	436-14001-18,10	600	52,0	8,5	–
T51 (2")	90510220	437-14001-18,00	600	52,0	8,5	–

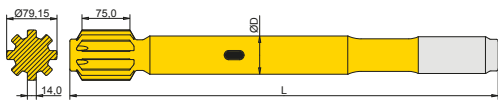
Sandvik/Tamrock HL 1000



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516036	437-08901-20,10	590	52,0	9,3	–

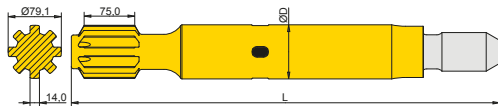
Sandvik/Tamrock HL 1000



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516027	436-08902-20,10	670	52,0	10,0	–
T51 (2")	90516037	437-08902-20,10	670	52,0	10,0	–
T60 (2 3/8")	90516049	457-0890A-20,10	670	60,0	12,7	–

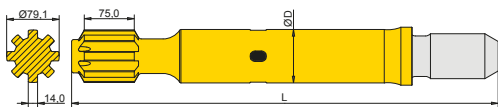
Sandvik/Tamrock HL 1000



Tube drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 9/32")	90510249	451-08907-20-T,10	635	80,0	18,4	–

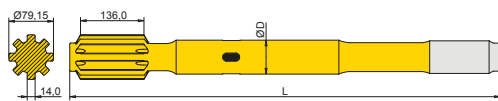
Sandvik/Tamrock HL 1000



Tube drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST68 (2 11/16")	90510253	452-08908-20-T,10	640	80,0	18,8	–

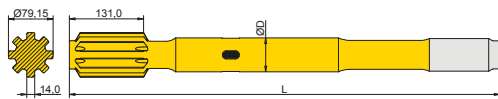
Sandvik/Tamrock HL 1000 Extractor



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90513820	437-08908,00	840	52,0	13,9	–

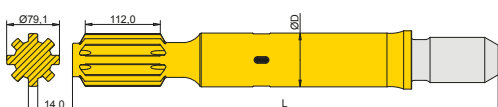
Sandvik/Tamrock HL 1500



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T60 (2 3/8")	90516051	457-15902,10	760	60,0	14,3	–

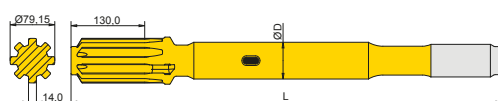
Sandvik/Tamrock HL 1500



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 9/32")	90513765	451-14601-T,10	635	80,0	18,1	–
ST68 (2 11/16")	90510775	452-14601-T,10	635	80,0	18,3	–

Sandvik/Tamrock HL 1500, HL 1560



Bench drilling

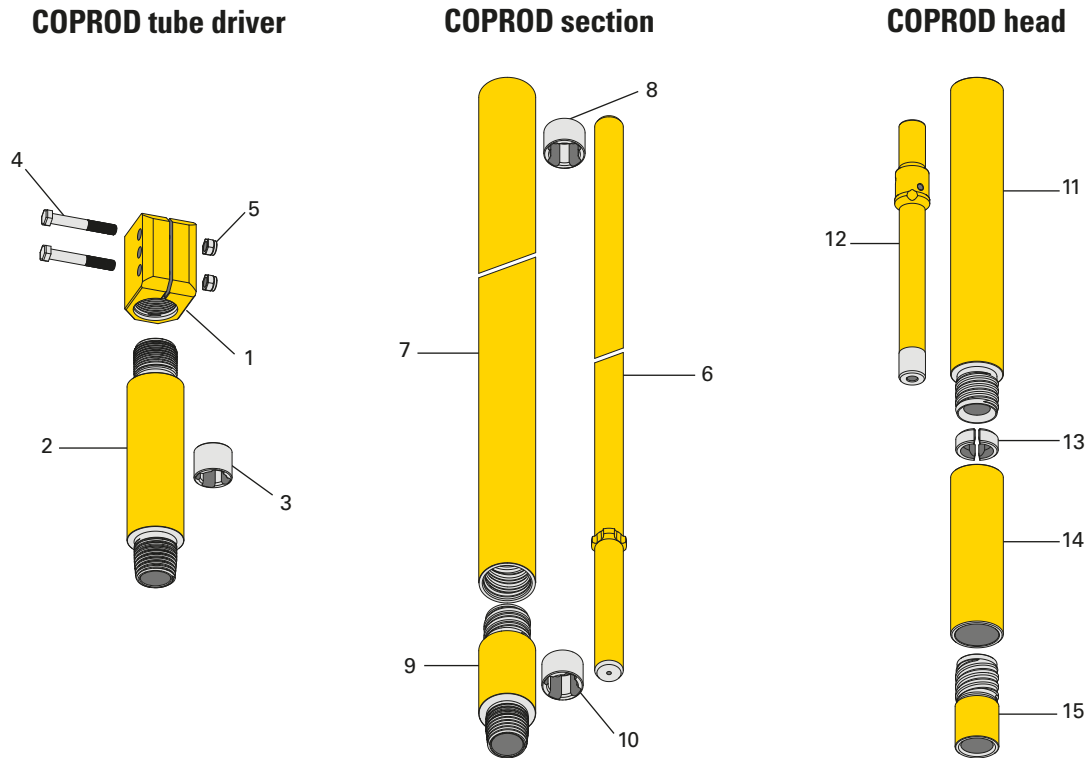
Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T60 (2 3/8")	90516054	457-17901,10	760	65,0	16,7	–





COPROD

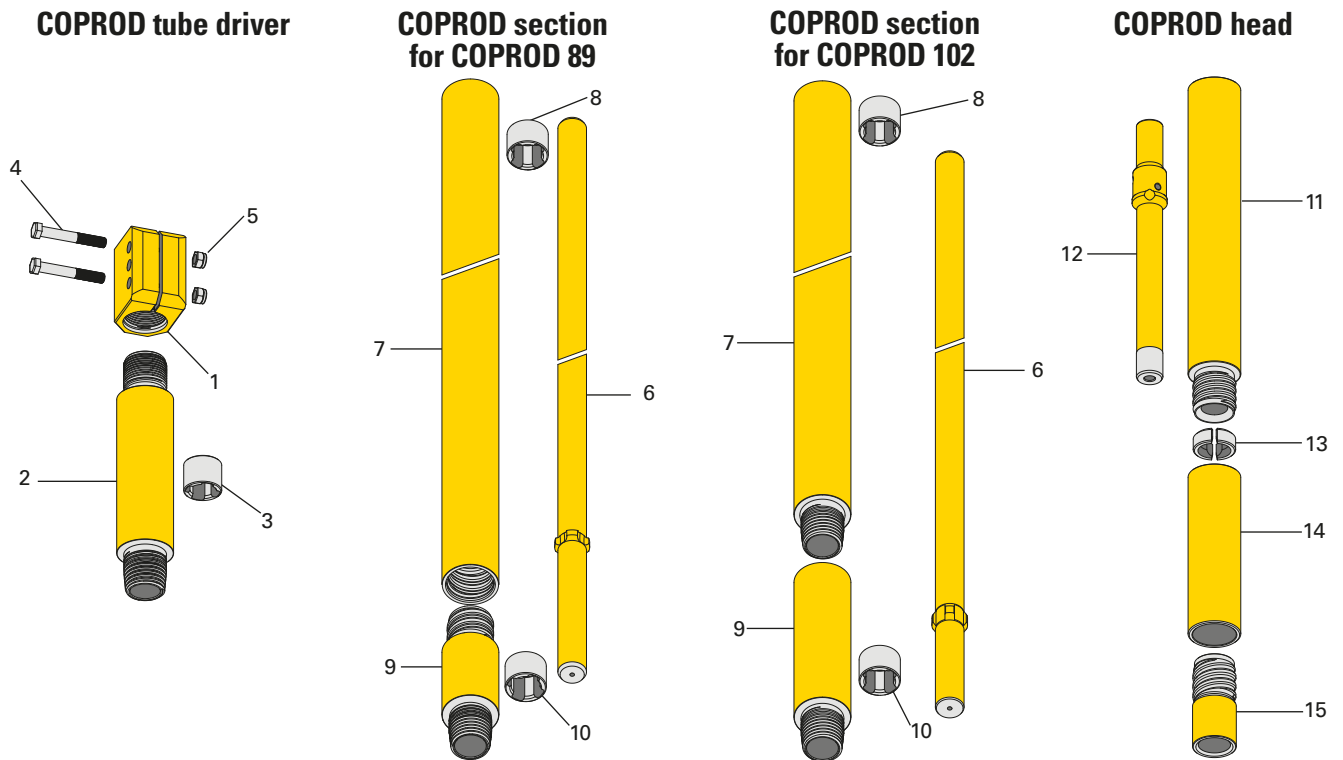
COPROD 76 and 89 for COP 1838CR, 1850CR, 2150CR, 2550CR	102
COPROD 89 and 102 for COP 4050CR.....	103
COPROD 127 and 140 for COP 4050CR.....	104
Drill bits.....	105



Part description	COP 1838CR, 1850CR, 2150CR, 2550CR					
	COPROD 76			COPROD 89		
	Product No.	Product code	Weight*	Product No.	Product code	Weight*
COPROD tube driver						
1 Coupling	94800299	7970-8928-80	6,3	94800299	7970-8928-80	6,3
1 Coupling, for TED	94800300	7970-8929-80	13,7	94800300	7970-8929-80	13,7
2 Tube adapter, for TED, L = 350 mm (1'1¾")	94800279	7970-7637-80	9,2	94800277	7970-8937-80	12,5
2 Tube adapter, L = 350 mm (1'1¾")	94800220	7970-7635-80	7,3	94800239	7970-8946-80	11,1
2 Tube adapter, L = 807 mm (2'7¾")	94800222	7970-7633-80	17,3	94800240	7970-8943-80	27,1
3 Rod guide	94800215	7970-8912-00	0,1	94800215	7970-8912-00	0,1
4 Bolt (2 pcs) M16 × 110 (M16 × 150 for TED)**	-	-	-	-	-	-
5 Nut (2 pcs) M16**	-	-	-	-	-	-
COPROD section 3,66 m (12')	94800313	7970-7690-80	100	94800326	7970-8990-80	118
6 Rod 3660 mm (12')	94800314	7970-7691-00	44	94800327	7970-8991-00	46
7 Tube 3660 mm (12')	94800315	7970-7692-80	52	94800328	7970-8992-80	66
8 Rod guide	94800215	7970-8912-00	0,1	94800121	7970-8902-00	0,1
9 End piece	94800316	7970-7693-80	4,1	94800329	7970-8993-80	6,1
10 Rod guide	94800215	7970-8912-00	0,1	94800121	7970-8902-00	0,1
COPROD head	94800317	7970-7682-80	22	94800310	7970-8982-80	32
11 Bit tube	94800318	7970-7681-00	12,3	94800311	7970-8981-00	18,2
12 Bit rod	94800365	7970-7685-00	4,4	94800366	7970-8985-00	5,6
13 Stop ring	94800235	7970-7604-00	0,2	94800128	7970-8904-00	0,4
14 Bit chuck	94800320	7970-7683-00	3,8	94800298	7970-8983-00	5,8
15 Bit driver	94800227	7970-7674-00	1,8	94800272	7970-8984-00	2,8

* Weight approx. kg.

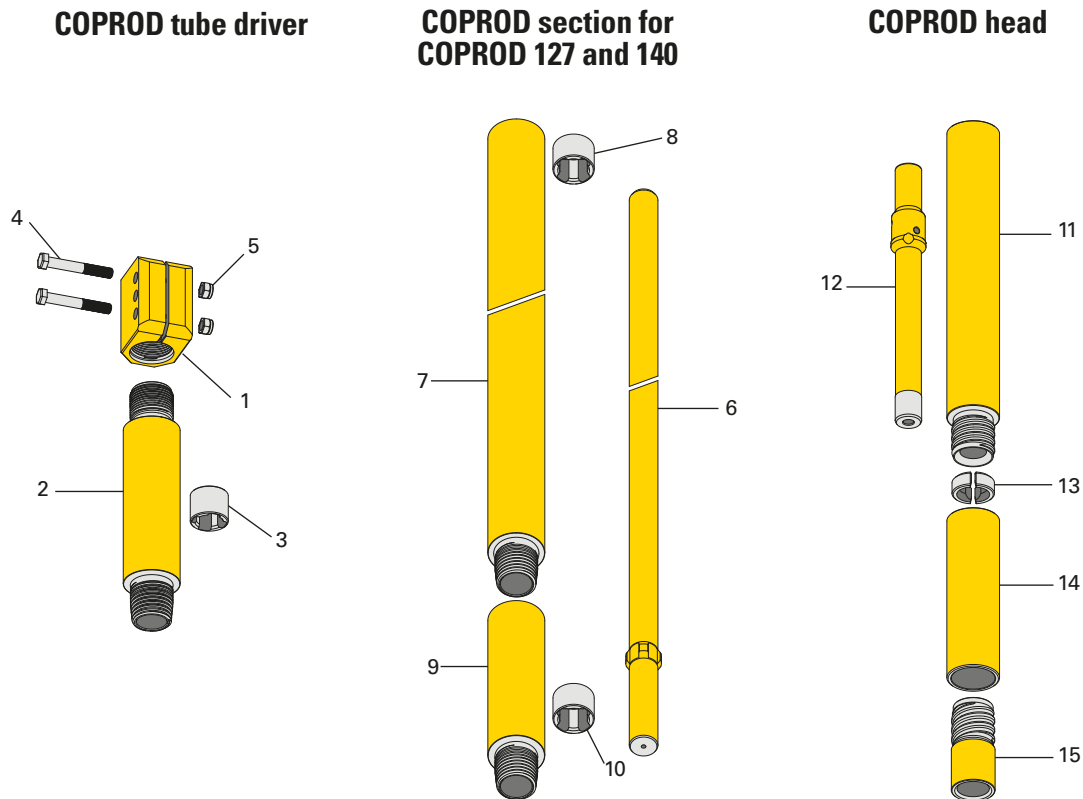
** Included in coupling.



Part description	COP 4050CR					
	COPROD 89			COPROD 102		
	Product No.	Product code	Weight*	Product No.	Product code	Weight*
COPROD tube driver						
1 Coupling	94800284	7970-0232-80	18,3	94800284	7970-0232-80	18,3
2 Tube adapter, L = 253 mm (10")	94800241	7970-8935-80	7,8	94800243	7970-0235-80	9,5
2 Tube adapter, L = 714 mm (2'4 1/8")	94800242	7970-8933-80	21,6	94800244	7970-0233-80	30,4
3 Rod guide	94800121	7970-8902-00	0,1	94800087	7970-0202-00	0,1
4 Bolt (2 pcs) M24 x 160**	-	-	-	-	-	-
5 Nut (2 pcs) M24**	-	-	-	-	-	-
COPROD section 3,66 m (12')						
6 Rod 3660 mm (12')	94800327	7970-8991-00	46	94800303	7970-0241-00	56
7 Tube 3660 mm (12')	94800328	7970-8992-80	66	94800304	7970-0242-80	60
8 Rod guide	94800121	7970-8902-00	0,1	94800087	7970-0202-00	0,1
9 End piece	94800329	7970-8993-80	6,1	94800086	7970-0253-80	11,7
10 Rod guide	94800121	7970-8902-00	0,1	94800087	7970-0202-00	0,1
COPROD section 6,1 m (20')						
6 Rod 6100 mm (20')	94800387	7970-8956-00	76	94800084	7970-0251-00	94
7 Tube 6100 mm (20')	94800388	7970-8957-80	108	94800085	7970-0252-80	93
8 Rod guide	94800121	7970-8902-00	0,1	94800087	7970-0202-00	0,1
9 End piece	94800329	7970-8993-80	6,1	94800086	7970-0253-80	11,7
10 Rod guide	94800121	7970-8902-00	0,1	94800087	7970-0202-00	0,1
COPROD head						
11 Bit tube	94800310	7970-8982-80	32	94800324	7970-0282-80	47
12 Bit rod	94800311	7970-8981-00	18,2	94800323	7970-0281-00	26,1
13 Stop ring	94800366	7970-8985-00	5,6	94800367	7970-0285-00	10,4
14 Bit chuck	94800128	7970-8904-00	0,4	94800096	7970-0204-00	0,5
15 Bit driver	94800298	7970-8983-00	5,8	94800325	7970-0273-00	7,5
	94800272	7970-8984-00	2,8	94800082	7970-0274-00	2,9

* Weight approx. kg.

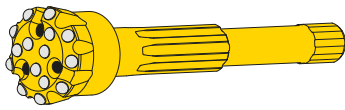
** Included in coupling.



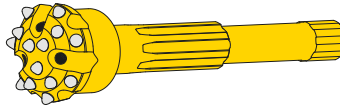
Part description	COP 4050CR					
	COPROD 127			COPROD 140		
	Product No.	Product code	Weight*	Product No.	Product code	Weight*
COPROD tube driver						
1 Coupling	94800284	7970-0232-80	18,3	94800284	7970-0232-80	18,3
2 Tube adapter, L = 253 mm (10")	94800245	7970-2735-80	16,9	94800245	7970-2735-80	16,9
2 Tube adapter, L = 714 mm (2'4 1/8")	94800246	7970-2733-80	54,2	94800246	7970-2733-80	54,2
3 Rod guide	94800087	7970-0202-00	0,1	94800087	7970-0202-00	0,1
4 Bolt (2 pcs) M24 x 160**	-	-	-	-	-	-
5 Nut (2 pcs) M24**	-	-	-	-	-	-
COPROD section 6,1 m (20')	94800132	7970-2750-80	241	94800375	7970-4050-80	260
6 Rod 6100 mm (20')	94800295	7970-2751-00	94	94800295	7970-2751-00	94
7 Tube 6100 mm (20')	94800133	7970-2752-80	130	94800376	7970-4052-80	144
8 Rod guide	94800087	7970-0202-00	0,1	94800184	7970-2702-00	0,1
9 End piece	94800134	7970-2753-80	15,0	94800377	7970-4053-80	21,7
10 Rod guide	94800087	7970-0202-00	0,1	94800087	7970-0202-00	0,2
COPROD head	94800362	7970-2782-80	78	94800369	7970-4082-80	98
11 Bit tube	94800363	7970-2781-00	45	94800370	7970-4081-00	58
12 Bit rod	94800364	7970-2785-00	16,5	94800373	7970-4085-00	19,6
13 Stop ring	94800139	7970-2704-00	0,8	94800374	7970-4004-00	0,9
14 Bit chuck	94800331	7970-2773-00	11,2	94800371	7970-4083-00	14,4
15 Bit driver	94800141	7970-2774-00	5,0	94800372	7970-4084-00	5,5

* Weight approx. kg.

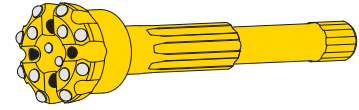
** Included in coupling.



Flat front

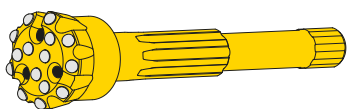


Convex front

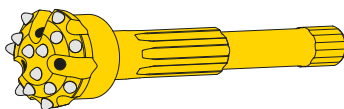


Drop center

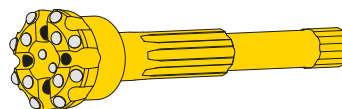
Drill bit	Diameter		Product No.	Product code	Buttons × button diameter (mm)			Gauge buttons angle°		Flushing holes No. × size mm	Weight approx. kg
	mm	inch			Gauge outer	Gauge inner	Centre	Outer	Inner		
COPROD 76 for	Flat front, HD, spherical buttons										
COP 1838CR	90	3 ⁹ / ₁₆	94800332	7976-1090-40,10-20	9×11	–	7×11	35°	–	3×8	5,8
COP 1850CR	95	3 ³ / ₄	94800333	7976-1095-40,10-20	9×12,7	–	7×11	35°	–	3×8	6,0
COP 2150CR	102	4	94800422	7976-1102-40,10-20	9×12,7	–	7×12,7	35°	–	3×10	6,3
COP 2550CR	105	4 ¹ / ₈	94800334	7976-1105-40,10-20	9×12,7	–	7×12,7	35°	–	3×10	6,4
	Convex front, full-ballistic buttons										
	90	3 ⁹ / ₁₆	94800335	7976-2090-66,10-20	7×12,7	4×12,7	2×12,7	40°	20°	2×10	5,6
	95	3 ³ / ₄	94800336	7976-2095-66,10-20	7×12,7	3×12,7	2×12,7	45°	30°	3×8	5,6
	105	4 ¹ / ₈	94800337	7976-2105-66,10-20	9×12,7	3×12,7	4×12,7	45°	30°	3×10	6,2
	Drop center, spherical buttons										
	90	3 ⁹ / ₁₆	94800338	7976-3090-40,10-20	8×11	4×11	2×11	35°	–	4×8	5,7
	95	3 ³ / ₄	94800339	7976-3095-40,10-20	8×12,7	4×11	2×11	35°	–	4×8	5,8
	105	4 ¹ / ₈	94800340	7976-3105-40,10-20	8×12,7	4×12,7	2×11	35°	–	4×10	6,2
COPROD 89 for	Flat front, HD, spherical buttons										
COP 1838CR	105	4 ¹ / ₈	94800341	7989-1105-40,10-20	9×12,7	–	7×12,7	35°	–	3×13	9,1
COP 1850CR	110	4 ⁵ / ₁₆	94800342	7989-1110-40,10-20	9×14,5	–	6×14,5	35°	–	3×13	9,5
COP 2150CR	115	4 ¹ / ₂	94800343	7989-1115-40,10-20	9×14,5	–	6×14,5	35°	–	3×13	9,7
COP 2550CR	127	5	94800344	7989-1127-40,10-20	9×14,5	–	7×14,5	35°	–	3×13	10,6
COP 4050CR	Convex front, full-ballistic buttons										
	105	4 ¹ / ₈	94800345	7989-2105-66,10-20	9×12,7	3×12,7	4×12,7	45°	30°	3×13	8,8
	110	4 ⁵ / ₁₆	94800346	7989-2110-66,10-20	9×12,7	6×12,7	4×12,7	45°	30°	3×13	9,2
	115	4 ¹ / ₂	94800347	7989-2115-66,10-20	7×14,5	4×14,5	3×14,5	45°	30°	3×13	9,2
	127	5	94800348	7989-2127-66,10-20	9×14,5	6×14,5	4×14,5	45°	30°	3×13	10,1
	Drop center, spherical buttons										
	105	4 ¹ / ₈	94800349	7989-3105-40,10-20	8×12,7	4×12,7	2×11	35°	–	4×13	8,9
	115	4 ¹ / ₂	94800351	7989-3115-40,10-20	8×14,5	4×14,5	2×11	35°	–	4×13	9,5
	127	5	94800352	7989-3127-40,10-20	8×14,5	4×14,5	4×11	35°	–	4×13	10,3



Flat front



Convex front



Drop center

Drill bit	Diameter		Product No.	Product code	Buttons × button diameter (mm)			Gauge buttons angle°		Flushing holes No. × size mm	Weight approx. kg
	mm	inch			Gauge outer	Gauge inner	Centre	Outer	Inner		
COPROD 102 for COP 4050CR	Flat front, HD, spherical buttons										
	115	4½	94800353	7902-1115-40,10-20	9×14,5	–	6×14,5	35°	–	3×13	12,6
	127	5	94800354	7902-1127-40,10-20	9×14,5	–	7×14,5	35°	–	3×13	13,2
	140	5½	94800355	7902-1140-40,10-20	9×16	–	9×16	35°	–	3×13	14,5
	Convex front, full-ballistic buttons										
	115	4½	94800356	7902-2115-66,10-20	7×14,5	4×14,5	3×14,5	45°	30°	3×13	12,2
	127	5	94800357	7902-2127-66,10-20	9×14,5	6×14,5	4×14,5	45°	30°	3×13	12,8
	140	5½	94800358	7902-2140-66,10-20	9×14,5	6×14,5	5×14,5	45°	30°	3×13	13,8
	Drop center, spherical buttons										
	115	4½	94800359	7902-3115-40,10-20	8×14,5	4×14,5	2×11	35°	–	4×13	12,4
	127	5	94800360	7902-3127-40,10-20	8×14,5	4×14,5	4×11	35°	–	4×13	13,0
	140	5½	94800361	7902-3140-40,10-20	9×16	6×16	4×12,7	35°	–	3×13	14,5
COPROD 127 for COP 4050CR	Flat front, HD, spherical buttons										
	140	5½	94800383	7927-1140-40,10-20	9×16	–	9×16	35°	–	3×15	22,2
	152	6	94800417	7927-1152-40,10-20	9×16	–	9×16	35°	–	3×16	22,9
	165	6½	94800384	7927-1165-40,10-20	10×16	–	10×16	35°	–	3×15	23,9
	Convex front, full-ballistic buttons										
	152	6	94800418	7927-2152-66,10-20	9×16	6×16	4×16	45°	30°	3×16	22,3
	165	6½	94800385	7927-2165-66,10-20	9×16	6×16	6×16	45°	30°	3×15	23,1
	Drop center, spherical buttons										
	165	6½	94800378	7927-3165-40,10-20	10×16	6×16	5×16	35°	–	2×18	23,8
	Drop center, full-ballistic buttons										
140	5½	94800368	7927-3140-66,10-20	9×16	6×16	4×12,7	35°	–	3×16	20,2	



Auxiliary tools

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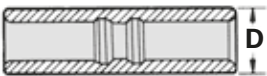
Auxiliary tools

Crossover adapter



Thread		Length (L)		Diameter		Product No.	Product code	Weight approx. kg
Female	Male	mm	inch	mm	inch			
R25	R32	185	7¼	45	1¾	90580107	302-2045-03,00	1,3
R32	R38	210	8¼	45	1¾	90500722	303-2045-04,00	1,5
R32	T38	220	8⅝	45	1¾	90504217	303-2045-35,00	1,5
R38	R32	245	9⅝	55	2⅝ ₃₂	90900015	304-2055-03,00	2,2
R38	T38	245	9⅝	55	2⅝ ₃₂	90504088	304-2057-35,00	2,4
T38	R32	247	9¾	57	2¼	90503703	335-2057-03,00	2,2
T38	R38	280	11	57	2¼	90500807	335-2057-04,00	2,7
T38	T45	285	11¼	57	2¼	90503941	335-2057-36,00	2,9
T45	T38	260	10¼	63	2⅝ ₃₂	90504244	336-2063-35,00	2,9
T45	T51	285	11¼	63	2⅝ ₃₂	90503942	336-2063-37,00	3,6
T51	T45	285	11¼	71	2⅝ ₃₂	90504330	337-2071-36,00	4,0

Crossover coupling



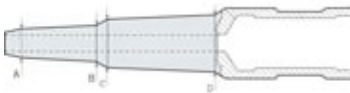
Thread	Length		Diameter (D)		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch			
R25-R32	160	6⅝ ₁₆	44	1 ²³ / ₃₂	90515746	302-1044-03,10	1,2
R28-R32	160	6⅝ ₁₆	44	1 ²³ / ₃₂	90515751	307-1044-03,10	1,2
R32-R38	170	6¾	55	2⅝ ₃₂	90000847	303-1055-04,00	2,0
R32-T38	170	6¾	55	2⅝ ₃₂	90002533	303-1055-35,00	2,0
R38-T38	180	7⅞	55	2⅝ ₃₂	90002238	304-1055-35,00	1,9
T38-T45	180	7⅞	60	2⅞	90503898	335-1061-36,00	2,3
T45-T51	225	8⅞	72	2 ²⁷ / ₃₂	90515755	336-1072-37,10	4,0
T38-TC45	175	6⅞	55	2⅝ ₃₂	90515752	335-1055-70,10	1,8

Recovery pike



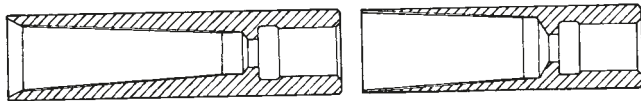
Thread		Product No.	Product code		Weight approx. kg
mm	inch		Rope thread	T thread	
32	1¼	90000331	9002,49		0,5
38	1½	90001971		9250,49	1,0
45	1¾	90002079		9253,49	1,3
51	2	90002872		9265,49	2,3

Recovery pike for TDS tubes



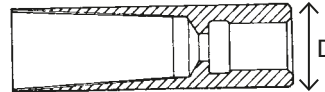
API Reg. Pin	A		B		C		D		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch	mm	inch	mm	inch			
For TDS tubes											
ST58	22	7/8	29	1 ⁵ / ₃₂	50	1 ³¹ / ₃₂	59	2 ⁵ / ₁₆	94000061	9268,49	4,5
ST68	18	2 ³ / ₃₂	43	1 ¹¹ / ₁₆	60	2 ³ / ₈	71	2 ²⁵ / ₃₂	90510783	9277,49	7,7

Recovery sleeve



Thread	Outer diam.		Product No.	Product code		Weight approx. kg
	mm	inch		Rope thread	T thread	
For extension rods						
R32	32	1 ¹ / ₄	90510880	9041,49		1,7
R/T38	38	1 ¹ / ₂	90510881	9042,49		3,1
R/T38	38	1 ¹ / ₂	90510882		9043,49	2,1
T45	45	1 ³ / ₄	90510883		9044,49	5,8
T51	51	2	90510884		9045,49	8,3
For couplings						
32	44	1 ²³ / ₃₂	90510880	9041,49		1,7
45	63	2 ¹⁵ / ₃₂	90510883		9044,49	5,8
51	72	2 ²⁷ / ₃₂	90510884		9045,49	8,3
For Speedrods						
45	65	2 ⁹ / ₁₆	90510883		9044,49	5,8
51	72	2 ²⁷ / ₃₂	90510884		9045,49	8,3

Recovery sleeve for TDS tubes



Thread	Tube OD		Diameter		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch			
For TDS tubes							
ST58	76	3	80	3 ⁵ / ₃₂	94000012	9269	4,9

Rod wrench



9061



9066

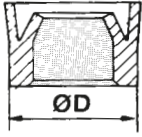


9092, 9093, 9094

Rod dimension	Product No.	Product code	Weight approx. kg
22 mm (7/8") hex.	90000359	9061,49	4,5
22 mm (7/8") hex., Integrals	90000879	9066,49	1,8
25 mm (1") hex., Ø 32 mm (1 ¹ / ₄ ")	90002028	9092,49	3,0
32 mm (1 ¹ / ₄ ") hex., Ø 38 mm (1 ¹ / ₂ ")	90002029	9093,49	3,6
38 mm (1 ¹ / ₂ ") hex., Ø 45 mm (1 ³ / ₄ ")	90002030	9094,49	3,7

Auxiliary tools

Shank seal



Tube diameter		Outer diameter		Product No.	Product code
mm	inch	mm	inch		
5	3/16	10	13/32	90002182	9232
6,5	1/4	9,3	29/64	90002047	9159-06
8	5/16	14	9/16	90000378	9150-08
8	5/16	16	5/8	90002572	9151-08
10	13/32	17	21/32	90002571	9151-10
12,7	1/2	22	7/8	90002587	9152-12
16	5/8	22	7/8	90001709	9153-16
14,3	9/16	22	7/8	90000466	9156-14
19	3/4	27	1 1/16	90002008	9158-19
23	29/32	34	1 11/32	90504645	9158-23

Thread wear gauge



Rope thread		Product No.	Product code	Weight approx. kg
mm	inch			
For extension rods				
25	1	90000367	9121,49	0,4

Thread grease



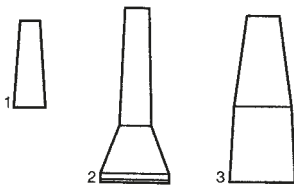
Acinol grease	Product No.	Product code
4,5 kg (10 lbs) package	90000382	9201,49
18 kg (40 lbs) package	90002915	9210,49
50 kg (110 lbs) package	90503915	9200,49

Chuck bushing gauge



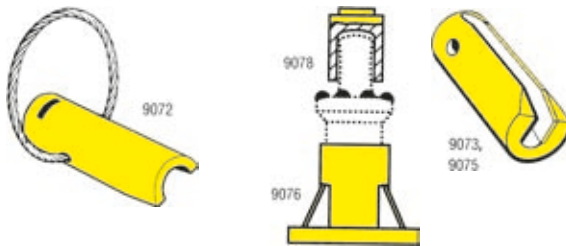
Bushing		Product No.	Product code
mm	inch		
19	3/4	90002667	9131
22	7/8	90002668	9132
25	1	90002669	9133

Plastic blast hole plug



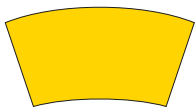
Illustr. No.	Hole diameter		Product No.	Product code
	mm	inch		
1	30-40	1 ³ / ₁₆ -1 ⁹ / ₁₆	90000328	9202
	40-50	1 ⁹ / ₁₆ -1 ³¹ / ₃₂	90000329	9203
2	50-75	1 ³¹ / ₃₂ -2 ¹⁵ / ₁₆	90000397	9204
	51	2	90003211	9207
	64	2 ¹ / ₂	90002315	9205
3	76	3	90503386	9208
	75-120	2 ¹⁵ / ₁₆ -4 ³ / ₄	90003083	9206

Knock-off tool



Rod diam. hex.		Product No.	Product code	Weight approx. kg
mm	inch			
Pilot rod				
-	-	90000318	9072,49	4,6
Pilot adapter				
-	-	90000928	9076,49	6,6
-	-	90000930	9078,49	2,1
Tapered rod				
22	⁷ / ₈	90504619	9073,49	1,1
25	1	90504620	9075,49	1,0

Shim



Description	Product No.	Product code
Shim for 7° taper and 12° taper	90503908	9162,49

Service and support

Atlas Copco Secoroc service, support and training follow every purchase, to ensure that customers extract maximum productivity from their drilling operations.

Having a knowledgeable and available Secoroc drilling partner on site or on-line makes the difference between going it alone and tapping the experience and know-how of a world-class partner. For example, Secoroc knows that using higher productivity bits reduces the cost of each drilled hole, and the simplest way to cut costs is to drill holes faster. This has been a focus of product development, and is at the core of Secoroc technology, ensuring that every generation of products drills faster and more efficiently.

It takes a support team to apply this knowledge, so that customers can be assured they run a profitable and efficient drilling operation in an increasingly competitive business climate.

The bottom line is that the customer can count on Secoroc service and support, supplied by the largest, most dedicated manufacturer of Tophammer drilling tools in the world.





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