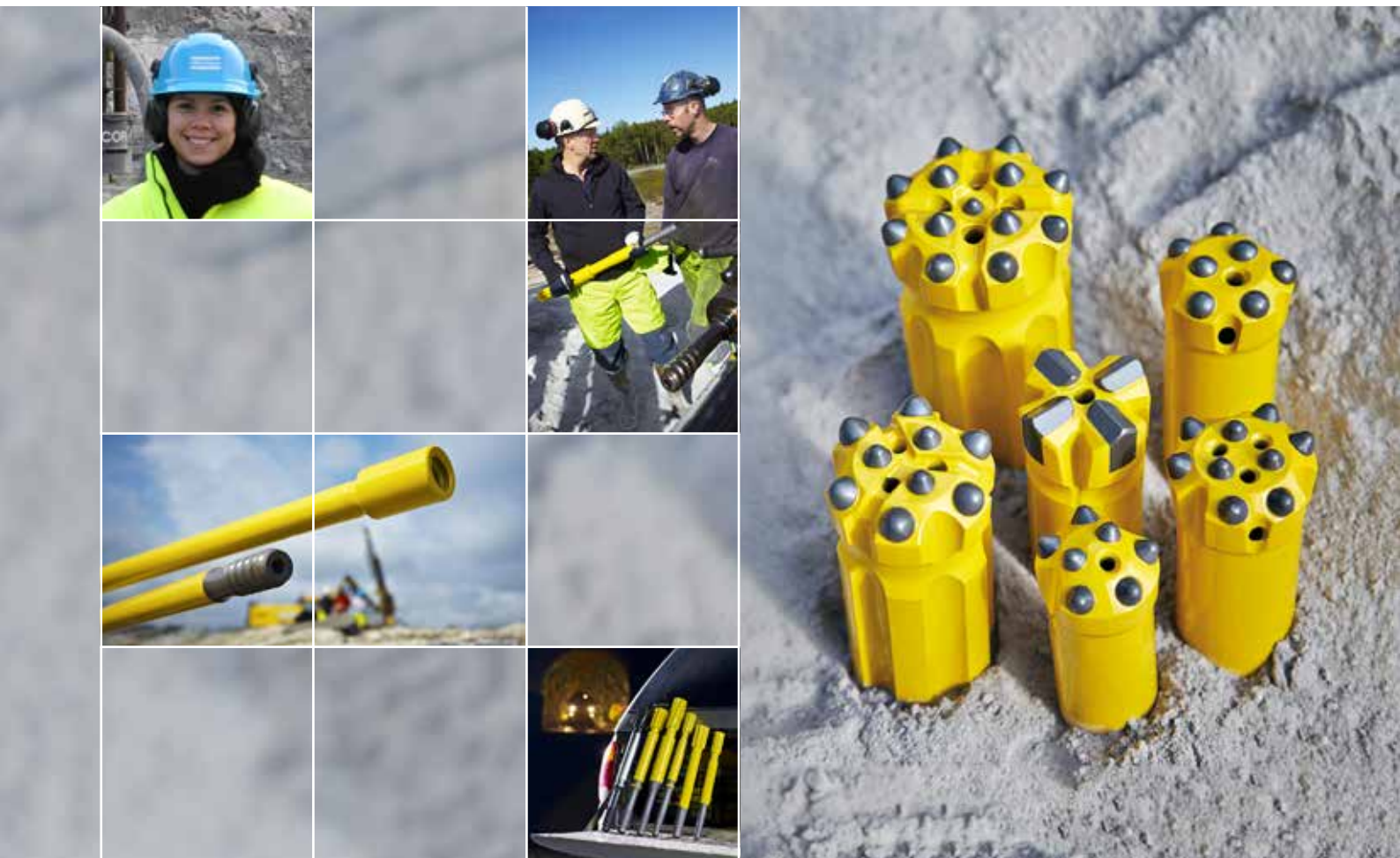


Secoroc Rock Drilling Tools

Product catalogue – Tophammer equipment





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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.

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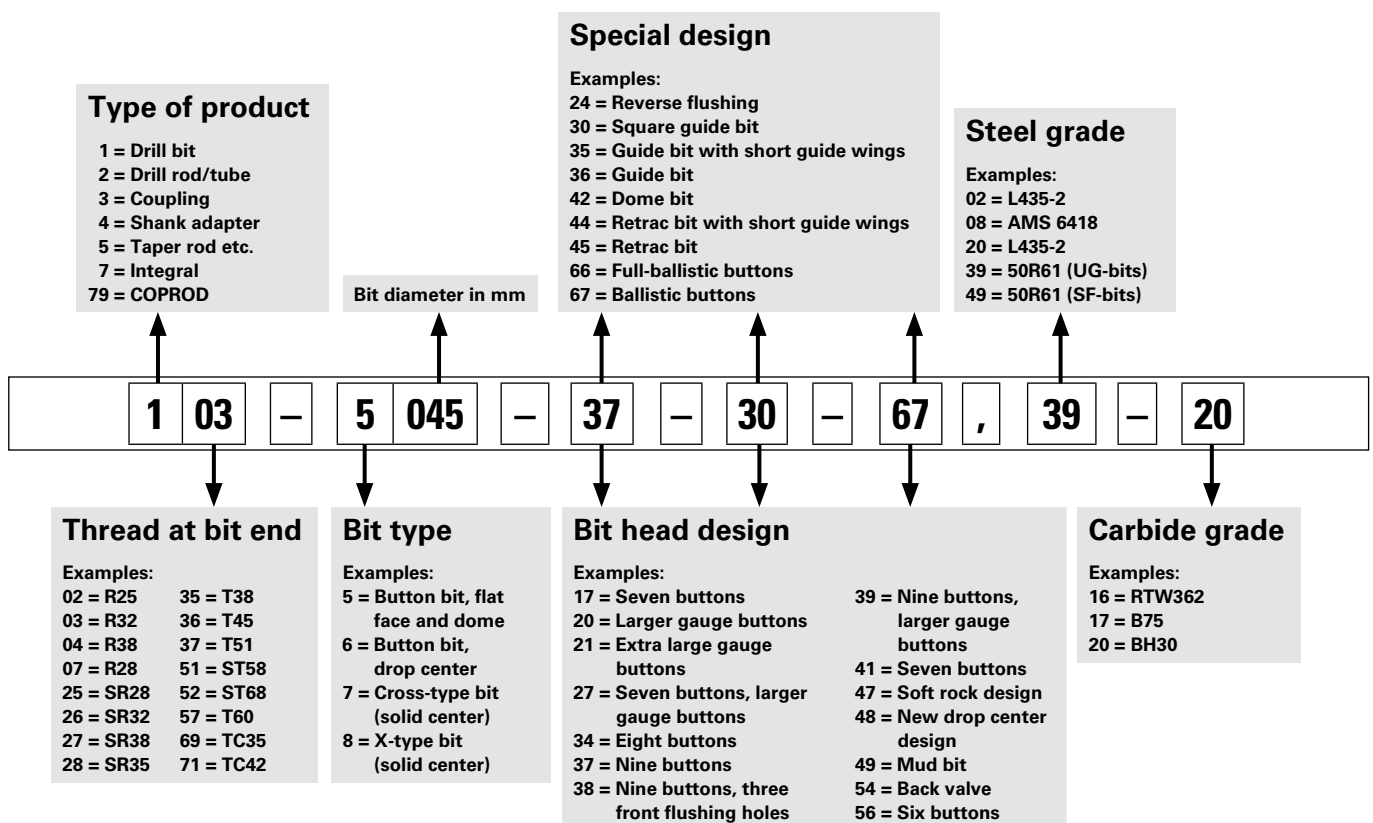
Guide to product codes

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 alpha-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

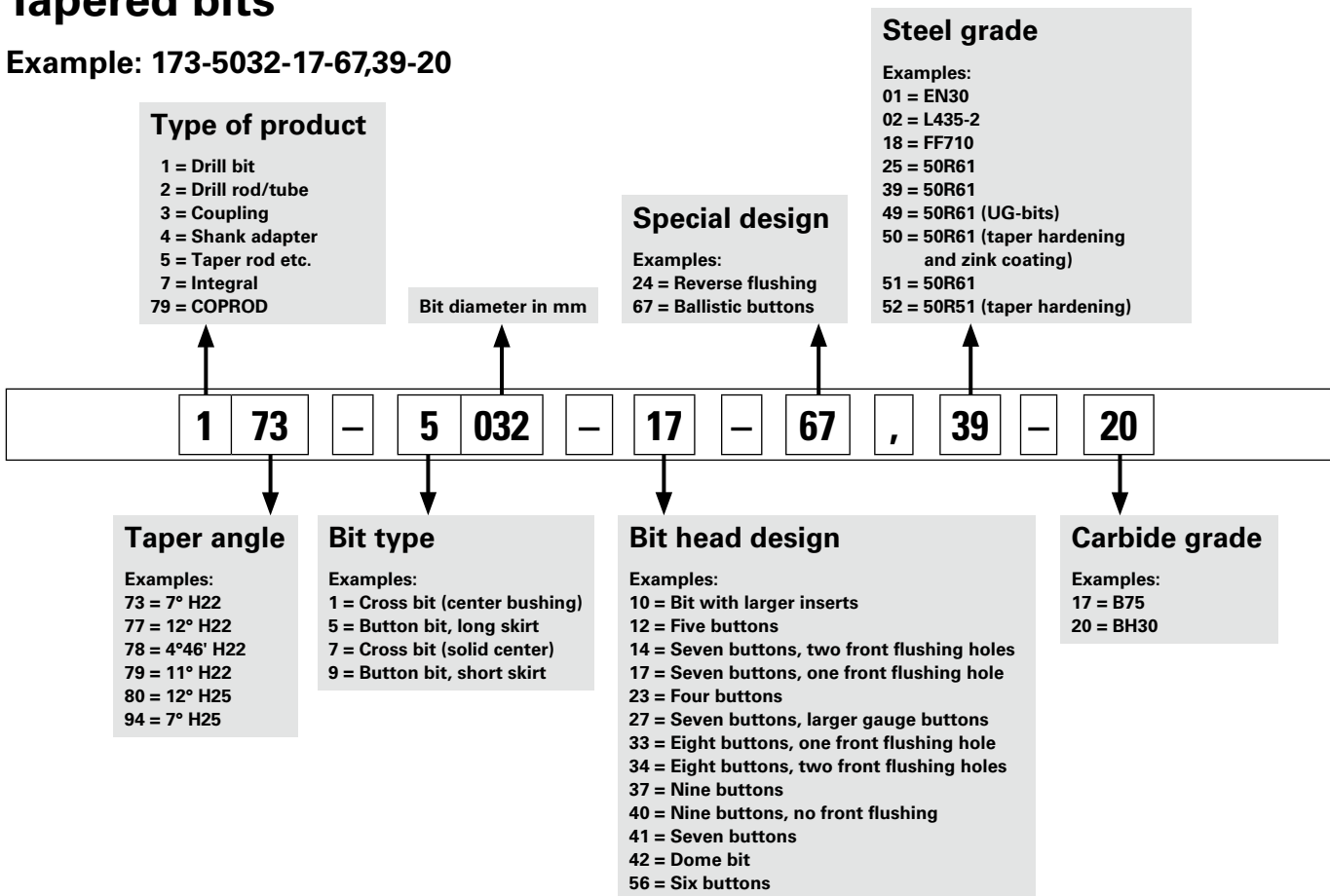
Example: 103-5045-37-30-67,39-20



Guide to product codes

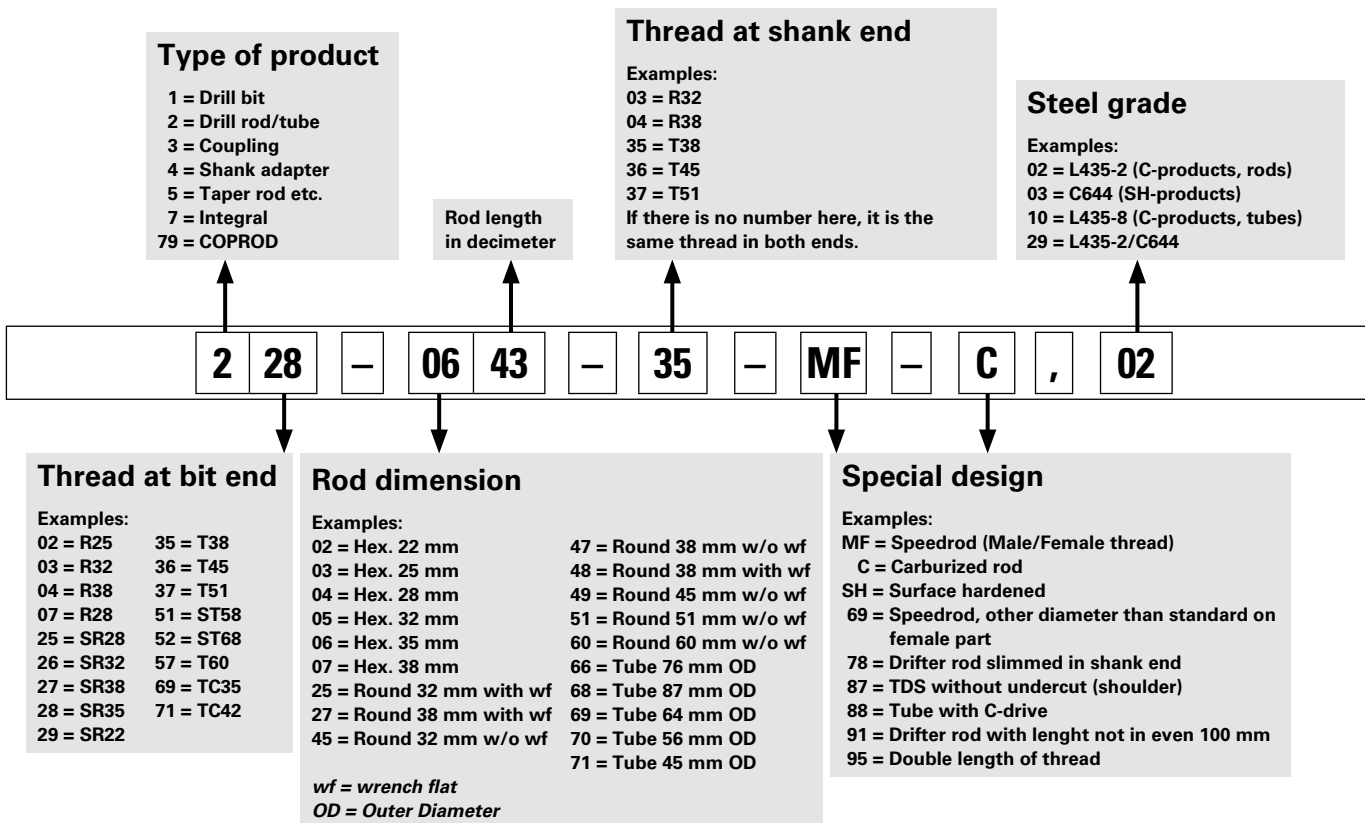
Tapered bits

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



Rods and Tubes

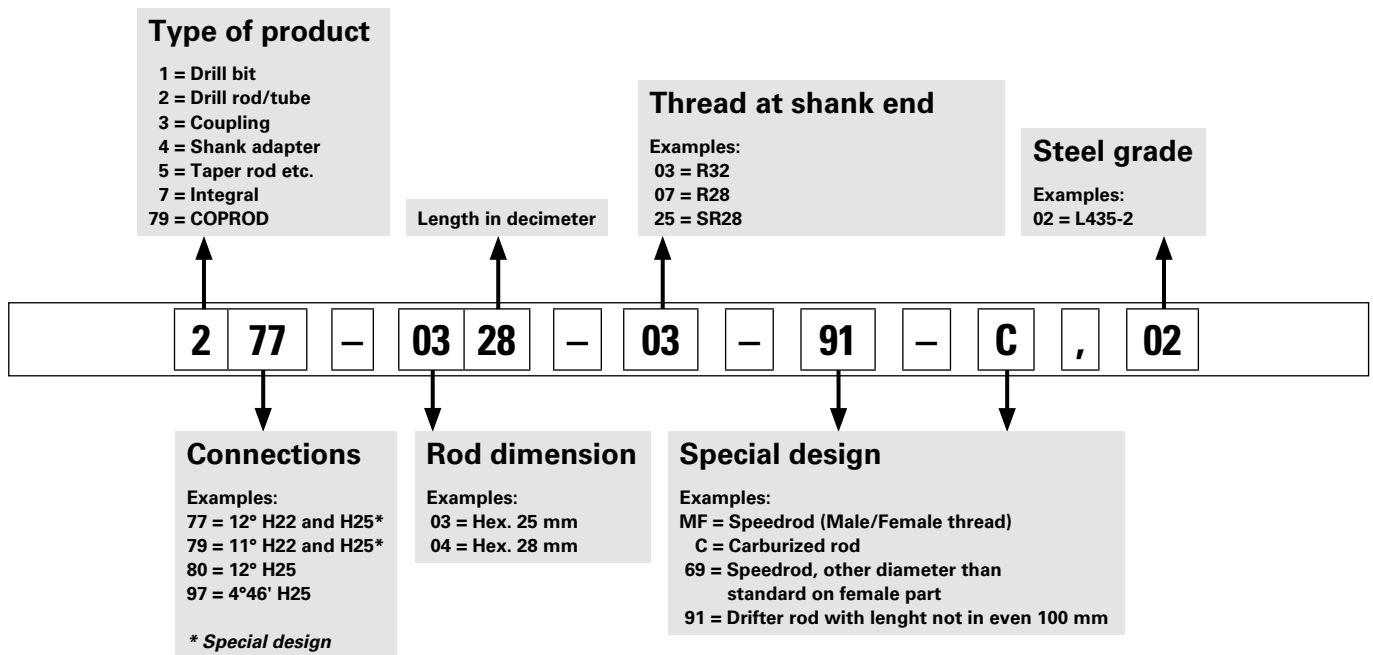
Example: 228-0643-35-MF-C,02



Guide to product codes

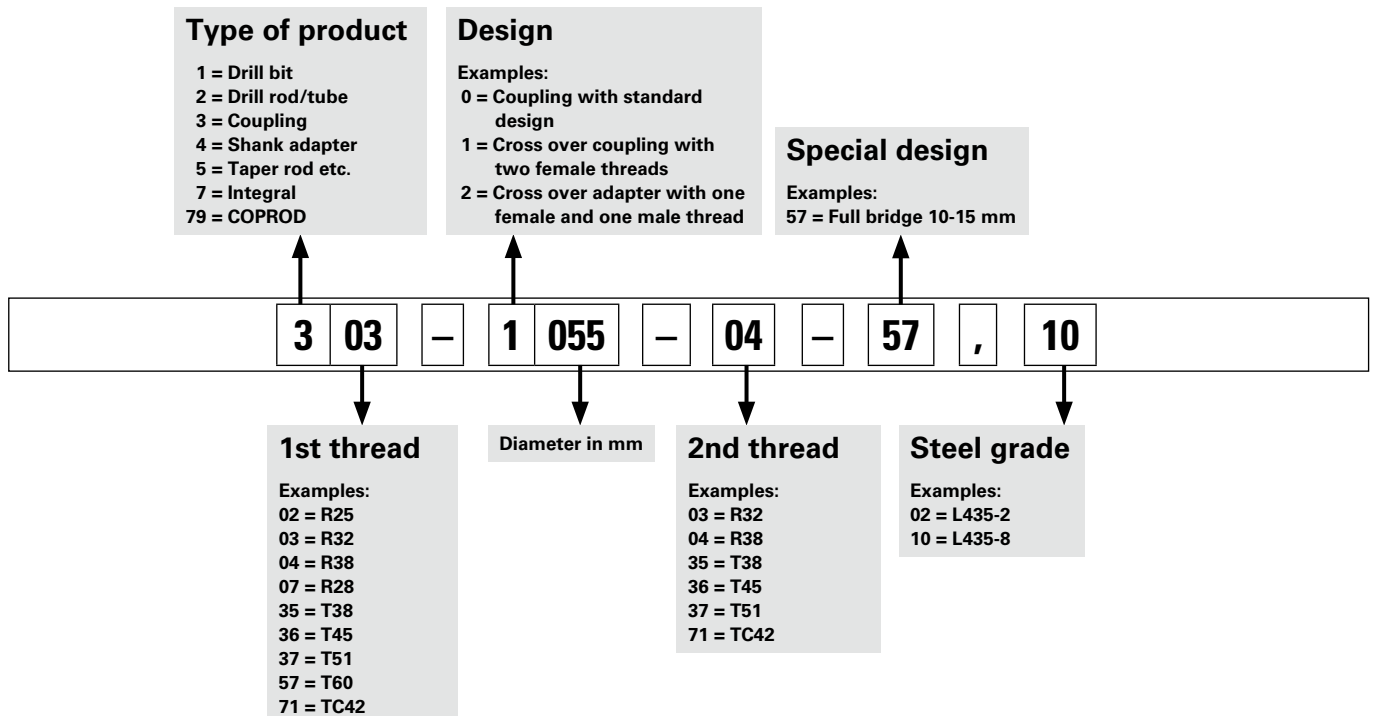
Tapered drifter rods

Example: 277-0328-03-91-C,02



Couplings, Cross over- & Bit adapters

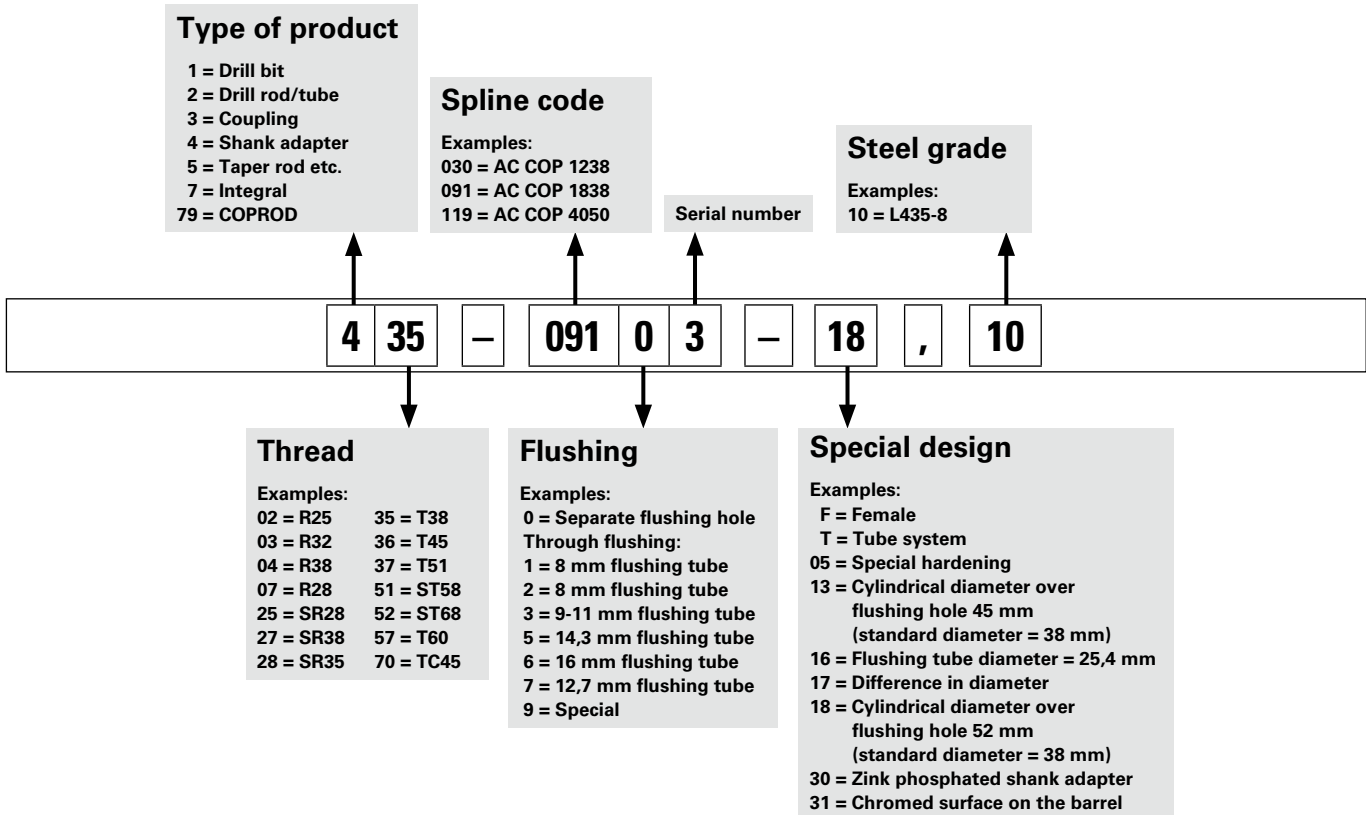
Example: 303-1055-04-57,10



Guide to product codes

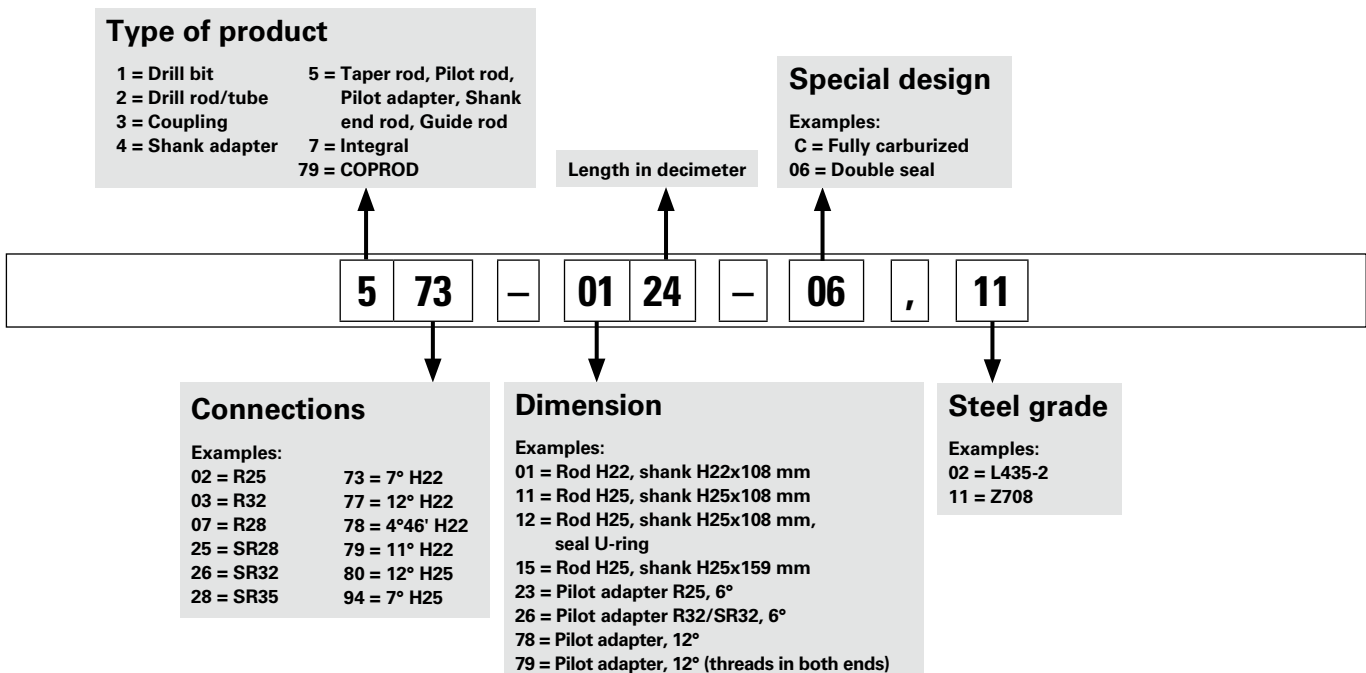
Shank adapters

Example: 435-09103-18,10



Tapered rods etc.

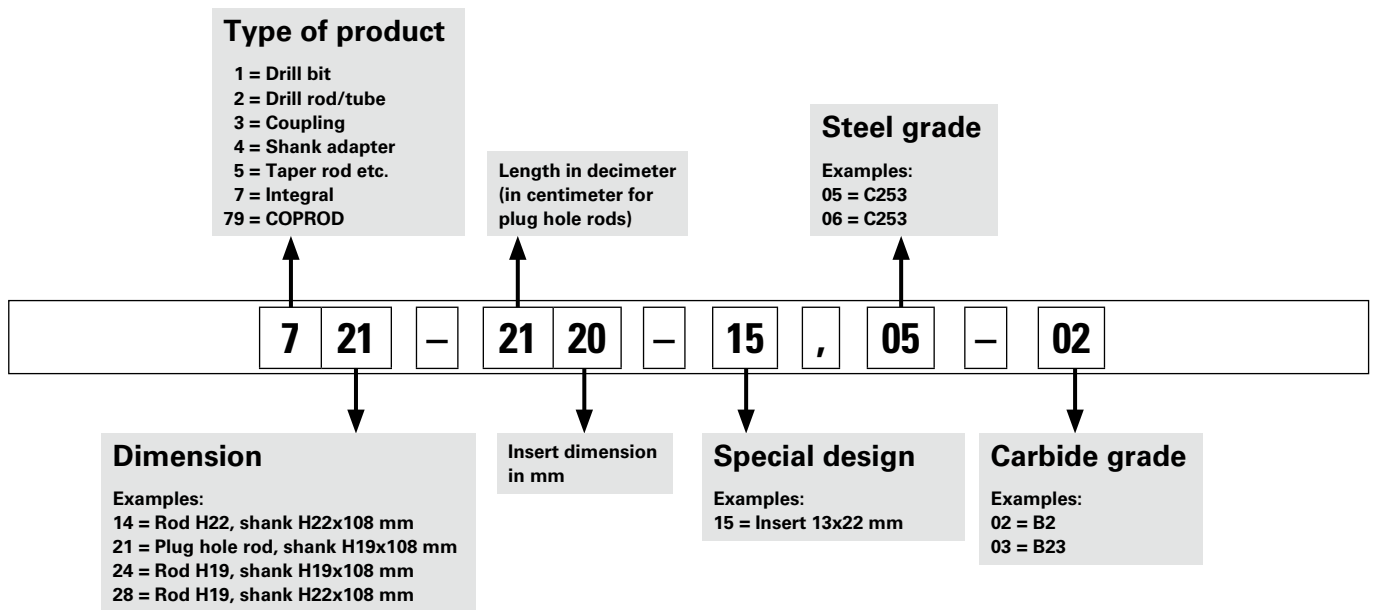
Example: 573-0124-06,11



Guide to product codes

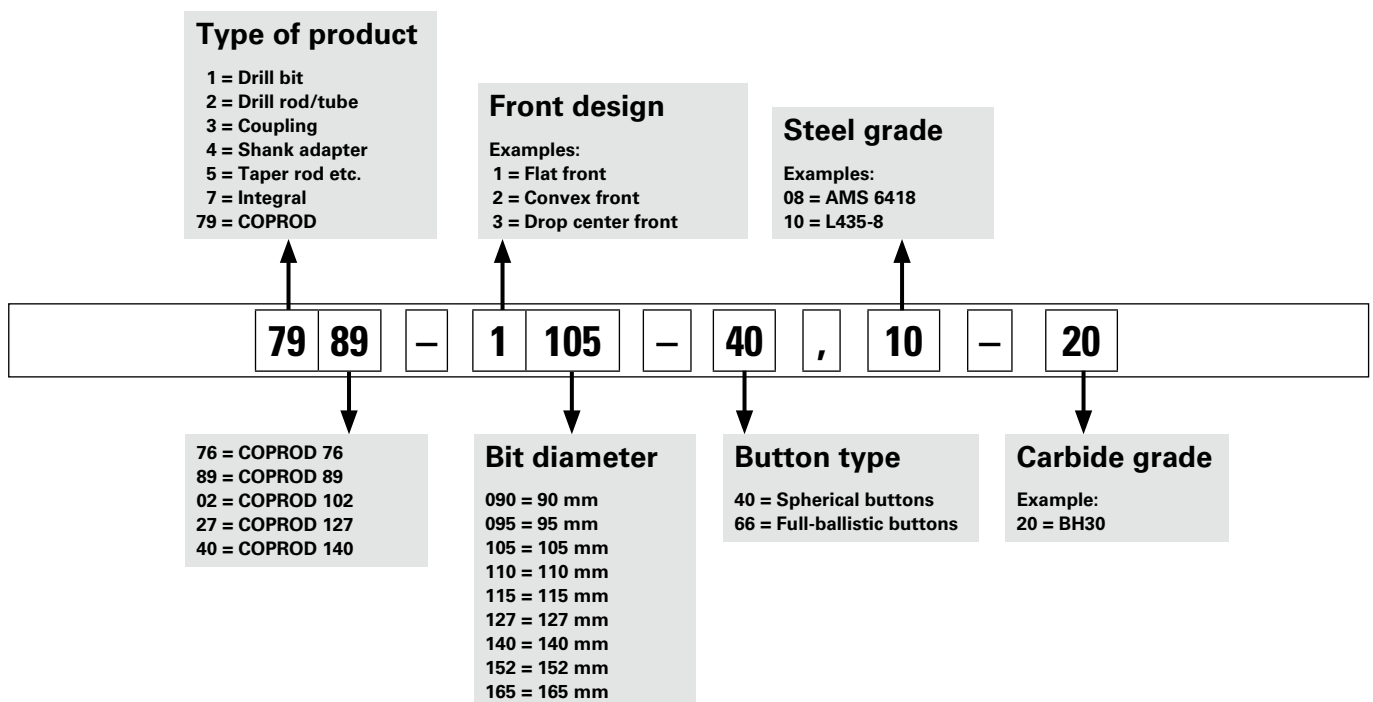
Integrals

Example: 721-2120-15,05-02



COPROD bits

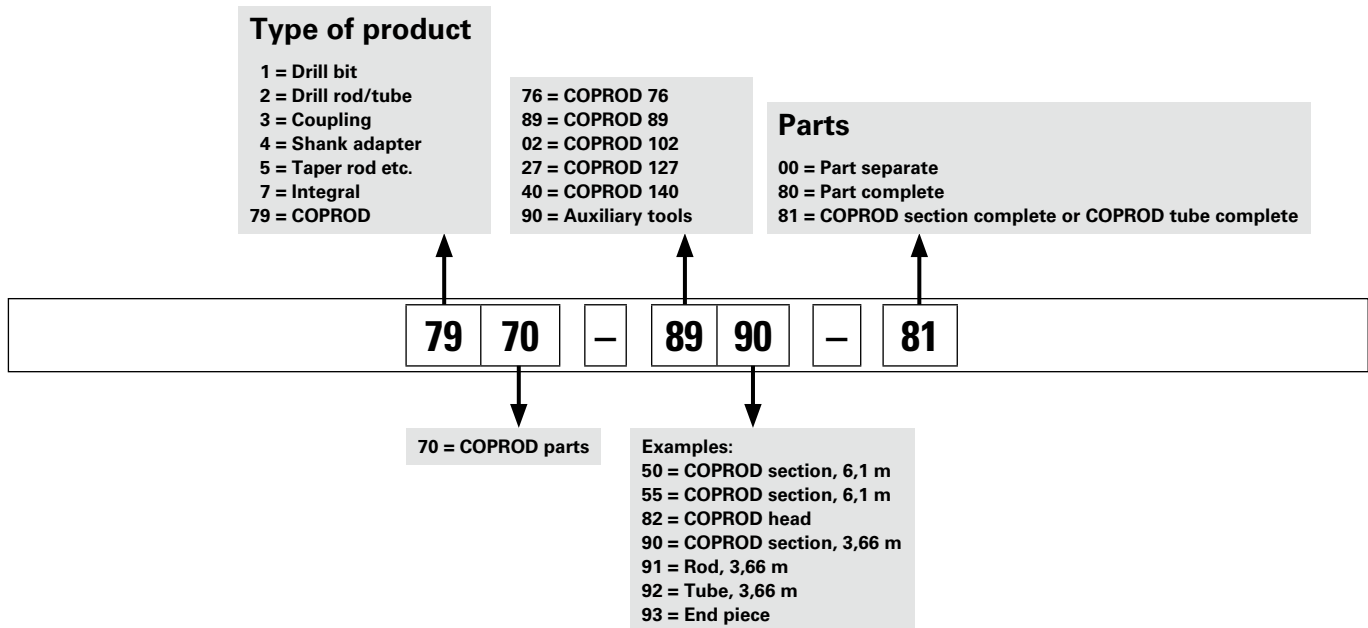
Example: 7989-1105-40,10-20



Guide to product codes

COPROD parts

Example: 7970-8990-81



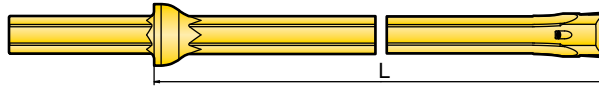


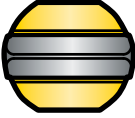
Integral equipment


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Integral equipment

Drill rods

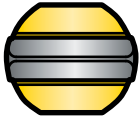


Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
			mm	foot/inch	mm	inch	
19 mm (3/4")  Chisel bit integral. Rod hex. 19 mm (3/4"). Shank hex. 19 mm (3/4") x 108 mm (4 1/4"). Flushing hole diameter 6,0 mm.							
21	90504884	724-0429,06-02	400	1'3 3/4"	29	1 5/32	1,3
	90509848	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
	90504898	724-3225,06-02	3200	10'6"	25	1	7,5
	90515550	724-4024,06-03	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
	90514488	724-2424,06-03	2400	7'10 1/2"	24	15/16	5,7
25	90504885	724-0435,06-02	400	1'3 3/4"	35	3/8	1,4
	90504889	724-0834,06-02	800	2'7 1/2"	34	1 11/32	2,3
Chisel bit integral. Rod hex. 19 mm (3/4"). Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). Flushing hole diameter 6,0 mm. If needed: Seal Product No. 90002047 / Seal Product code 9159-06.							
	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
	90504907	728-2426,06-02	2400	7'10 1/2"	26	1 1/32	5,8

Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
			mm	foot/inch	mm	inch	
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"). Flushing hole diameter 6,7 mm. If needed: Seal Product No. 90002047 / Seal Product code 9159-06.							
11	90503753	714-0834,05-02	800	2'7 1/2"	34	1 11/32	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 17/32	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 15/32	10,3
	90503798	714-4036,05-02	4000	13'1 1/2"	36	1 13/32	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 11/32	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").

Flushing hole diameter 6,7 mm.

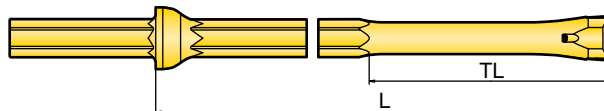
If needed:

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
	90503761	714-2432,05-02	2400	7'10 1/2"	32	1 1/4	7,9
	17	90504195	714-0641,05-02	600	1'11 5/8"	41	1 5/8
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
	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 17/32	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 13/32	5,5
	90504759	714-1836,05-02	1800	5'10 7/8"	36	1 13/32	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
	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
	90003610	714-3228,05-03	3200	10'6"	28	1 1/8	10,5
	90504227	714-3232,05-02	3200	10'6"	32	1 1/4	10,5
	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 rods



19 mm (3/4")



Chisel bit plug hole rod.

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

Flushing hole diameter 6,7 mm.

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	2 5/32	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
90514294	721-2322-17,05-02	230	9 1/16"	22	7/8	170	6 3/4	0,8
90003071	721-2620-20,05-02	260	10 1/4"	20	2 5/32	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	2 5/32	280	11	0,9

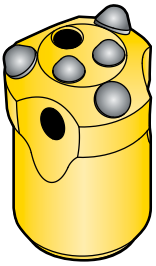


Tapered equipment

Drill bit design	16
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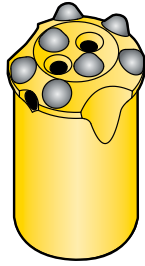
Tapered equipment

Drill bit design



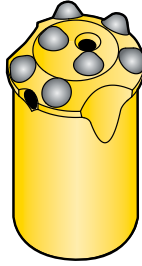
Model -12

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



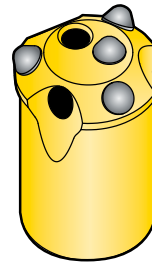
Model -14

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



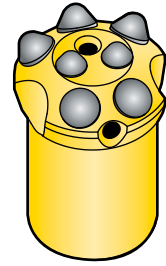
Model -17

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



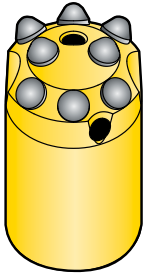
Model -23

For soft and abrasive rock. Front and side flushing.



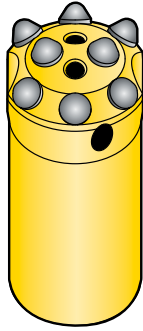
Model -27

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



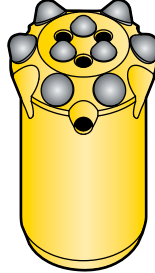
Model -33

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



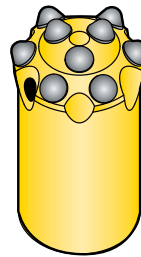
Model -34

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



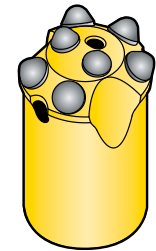
Model -37

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



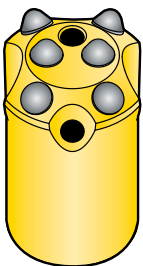
Model -40

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



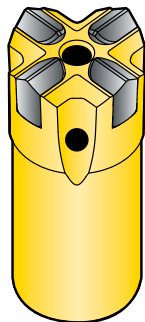
Model -41, short skirt

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.

It is important to consider that the drilled hole could vary in size due to drilling conditions, drilling practices and ground formation.

Tapered equipment

Drill bits

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
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	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	90512968	179-9038-23-67,51-20	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
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
43	1 ¹¹ / ₁₆	90512898	179-9043-27-67,51-20	50	1 ³¹ / ₃₂	7	5×9	2×9	35°	–	2	1	0,4
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
28	1 ¹ / ₈	90516429	177-9028-56-67,51-20	50	1 ³¹ / ₃₂	6	4×6	2×6	35°	–	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	90003511	177-9033-34-67,39-20	55	2 ⁵ / ₃₂	8	6×7	2×7	35°	–	1	2	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
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
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	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	90512619	177-9045-27-67,39-20	55	2 ⁵ / ₃₂	7	5×9	2×7	35°	–	1	1	0,3

-67 = Ballistic buttons.

* Long bit head.

Cont. next page

Tapered equipment

Drill bits

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. Long skirt.													
30	1 3/16	90516478	178-5030-56-67,39-20	71	2 5/32	6	4x6	2x6	35°	–	1	1	0,2
33	1 5/16	90512905	178-5033-41-67,51-20	71	2 5/32	7	5x8	2x7	40°	15°	1	1	0,4
36	1 13/32	90512919	178-5036-27-67,51-20	71	2 5/32	7	5x9	2x7	35°	–	1	1	0,4
38	1 1/2	90514596	178-5038-34-67,39-20	71	2 5/32	8	6x7	2x7	35°	–	2	–	0,3
41	1 5/8	90512901	178-5041-34-67,51-20	71	2 5/32	8	6x7	2x7	35°	–	2	–	0,4
43	1 11/16	90512900	178-5043-14-67,51-20	71	2 5/32	7	5x9	2x8	35°	–	2	1	0,4
BUTTON BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt.													
30	1 3/16	90512883	173-5030-17-67,39-20	80	3 5/32	7	5x6	2x7	35°	–	2	1	0,2
32	1 1/4	90512799	173-5032-17-67,39-20	80	3 5/32	7	5x7	2x7	35°	–	1	1	0,3
33	1 5/16	90515546	173-5033-34-67,39-20	80	3 5/32	8	6x7	2x7	40°	–	1	2	0,3
33	1 5/16	90515547	173-5033-40-67,39-20	80	3 5/32	9	6x7	3x7	40°	20°	3	–	0,4
35	1 3/8	90512922	173-5035-41-67,39-20	80	3 5/32	7	5x8	2x7	40°	15°	1	1	0,4
37	1 15/32	90515584	173-5037-41-67,39-20	80	3 5/32	7	5x9	2x7	40°	15°	1	1	0,4
41	1 5/8	90514506	173-5041-41-67,39-20	80	3 5/32	7	5x9	2x8	40°	15°	1	1	0,4
BUTTON BIT - For 22 mm (7/8") hex. rod. 12° taper angle. Long skirt.													
32	1 1/4	90510640	177-5032-17-67,39-20	71	2 25/32	7	5x7	2x7	35°	–	1	1	0,3
33	1 5/16	90512297	177-5033-17-67,39-20	71	2 25/32	7	5x7	2x7	35°	–	1	1	0,3
33	1 5/16	90512825	177-5033-34-67,39-20	71	2 25/32	8	6x7	2x7	40°	15°	1	2	0,3
33	1 5/16	90512707	177-5033-40-67,39-20	71	2 25/32	9	6x7	3x7	40°	20°	3	–	0,3
35	1 3/8	90512826	177-5035-34-67,39-20	71	2 25/32	8	6x8	2x7	45°	15°	1	2	0,3
38	1 1/2	90502644	177-5038-27,39-20	71	2 25/32	7	5x9	2x7	35°	–	1	1	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	5x9	2x8	40°	–	1	1	0,4
41	1 5/8	90512831	194-5041-27-67,39-20	71	2 25/32	7	5x9	2x8	40°	–	1	1	0,4
41	1 5/8	90512984	194-5041-37-67,39-20	71	2 25/32	9	6x9	3x7	40°	–	1	3	0,4
41	1 5/8	90516567	194-5041-56-67,39-20	71	2 25/32	6	4x9	2x8	35°	–	1	1	0,2
43	1 11/16	90512985	194-5043-37-67,39-20	71	2 25/32	9	6x9	3x7	40°	–	1	3	0,5
43	1 11/16	90516568	194-5043-56-67,39-20	71	2 25/32	6	4x9	2x8	35°	–	1	1	0,3
BUTTON BIT - For 25 mm (1") hex. rod. 12° taper. Long skirt.													
36	1 13/32	90514202	180-5036-99-67,39-20	71	2 25/32	7	5x9	2x7	35°	15°	1	1	0,3
38	1 1/2	90512064	180-5038-27-67,39-20	71	2 25/32	7	5x9	2x7	40°	–	1	1	0,4
41	1 5/8	90512486	180-5041-27-67,39-20	71	2 25/32	7	5x9	2x7	40°	–	1	1	0,4
CROSS-TYPE BIT - For 22 mm (7/8") hex. rod. 7° taper angle. Long skirt.													
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	90516346	177-1030-10,01-17	71	2 25/32	–	–	–	–	–	2	1	0,2
32	1 1/4	90503024	177-7032,01-17	71	2 25/32	–	–	–	–	–	2	1	0,3
32	1 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

Tapered rods



Shank hex. 22 mm ($\frac{7}{8}$ ") x 108 mm ($4\frac{1}{4}$ ".)
Rod hex. 22 mm ($\frac{7}{8}$ ".)

Flushing hole diameter 6,7 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4°46' taper angle				
800	2'7½"	90510626	578-0108,11	2,9
1600	5'3"	90510627	578-0116,11	5,4
2000	6'6¾"	90510628	578-0120,11	6,6
2400	7'10½"	90510629	578-0124,11	7,8
3200	10'6"	90510630	578-0132,11	10,2
3500	11'5¾"	90513835	578-0135,11	11,1
4000	13'1½"	90510631	578-0140,11	12,7
7° taper angle				
400	1'3¾"	90513772	573-0104,11	1,7
800	2'7½"	90505067	573-0108,11	2,7
1600	5'3"	90504826	573-0116,11	5,4
1830	6'	90504827	573-0118,11	6,0
2000	6'6¾"	90504756	573-0120,11	6,7
2435	8'	90504828	573-0124,11	7,7
2435	8'	90515483	573-0124-C,02	7,8
3050	10'	90504829	573-0131,11	9,8
3200	10'6"	90504831	573-0132,11	10,1
3200	10'6"	90516583	573-0132-C,02	10,1
3660	12'	90514346	573-0136,11	11,4
4000	13'1½"	90513773	573-0140,11	12,7
4000	13'1½"	90516584	573-0140-C,02	12,7
4800	15'9"	90515495	573-0148,11	15,1
5600	18'4½"	90514493	573-0156,11	17,1
6400	21'	90514494	573-0164,11	19,5
7200	23'7½"	90514495	573-0172,11	22,0
8000	26'3"	90514496	573-0180,11	24,2
11° taper angle				
800	2'7½"	90504864	579-0108,11	2,8
1220	4'	90504865	579-0112,11	4,2
1525	5'	90504867	579-0115,11	5,3
1600	5'3"	90500144	579-0116,11	5,3
1830	6'	90504868	579-0118,11	5,9
2000	6'6¾"	90504869	579-0120,11	6,6
2435	8'	90504871	579-0124,11	7,7
2435	8'	90505441	579-0124-C,02	7,9
3200	10'6"	90510202	579-0132,11	10,3
3655	11'11⅞"	90510203	579-0137,11	11,7
4000	13'1½"	90510245	579-0140,11	12,8
4800	15'9"	90510817	579-0148,11	15,2
5600	18'4½"	90510894	579-0156,11	17,6
6400	21'	90510895	579-0164,11	20,0
7200	23'7½"	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 angle				
610	2'	90504832	577-0106,11	2,2
800	2'7½"	90504833	577-0108,11	2,8
1220	4'	90504835	577-0112,11	4,2
1220	4'	90505433	577-0112-C,02	4,2
1525	5'	90504837	577-0115,11	4,9
1525	5'	90515271	577-0115-C,02	4,9
1830	6'	90001398	577-0118,11	6,1
1830	6'	90505434	577-0118-C,02	6,1
2000	6'6¾"	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
3050	10'	90505437	577-0131-C,02	9,9
3200	10'6"	90504844	577-0132,11	9,9
3655	11'11⅞"	90504845	577-0137,11	11,3
3655	11'11⅞"	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	18'4½"	90504848	577-0156,11	17,1
6400	21'	90504849	577-0164,11	19,5
7200	23'7½"	90504850	577-0172,11	22,0
8000	26'3"	90504851	577-0180,11	24,2

Shank hex. 25 mm (1") x 108 mm ($4\frac{1}{4}$ ".)
Rod hex. 25 mm (1").

Flushing hole diameter 7,6 mm.

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

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
7° taper angle				
1500	4'11"	90514427	594-1115,11	6,5
1600	5'3"	90515264	594-1116,11	6,9
1800	5'10⅞"	90509502	594-1118,11	8,0
2200	7'2⅝"	90514319	594-1122,11	9,3
2400	7'10½"	90514718	594-1124,11	10,1
2600	8'6⅜"	90514756	594-1126,11	10,9
3900	12'9½"	90515304	594-1139,11	16,1
12° taper angle				
3660	12'	90515426	580-1137,11	15,3

Shank hex. 25 mm (1") x 159 mm ($6\frac{1}{4}$ ".)
Rod hex. 25 mm (1").

Flushing hole diameter 7,6 mm.

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

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
12° taper angle				
2400	7'10½"	90510520	580-1524,11	10,4
3965	13'	90504876	580-1540,11	15,3

Tapered equipment

Tapered drifter rods

R32 (1¼") Hex. 25 mm (1") 4°46'



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
1920	6'3 ⁵ / ₈ "	90003538	297-0320-03-C,02	7,6
2160	7'1"	90003622	297-0322-03-C,02	8,5
2300	7'6 ¹ / ₂ "	90003539	297-0323-03-C,02	8,9
2900	9'6 ¹ / ₈ "	90003623	297-0329-03-C,02	11,2
3100	10'2"	90003540	297-0331-03-C,02	12,0

R28 (1½") Hex. 28 mm (1½") 11°



Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 ⁵ / ₈ "	90516503	279-0421-07-C,02	10,5

R32 (1¼") Hex. 25 mm (1") 12°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2400	7'10 ¹ / ₂ "	90003520	277-0324-03-C,02	9,3
2780	9'1 ¹ / ₂ "	90505274	277-0328-03-91-C,02	10,7
3400	11'1 ⁷ / ₈ "	90504668	277-0334-03-C,02	13,2
3700	12'1 ¹ / ₈ "	90003679	277-0337-03-C,02	14,4

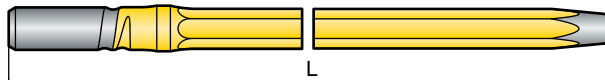
R28 (1½") Hex. 25 mm (1") 11°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 ⁵ / ₈ "	90003633	279-0321-07-C,02	8,1

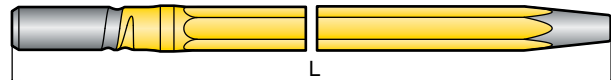
R32 (1¼") Hex. 25 mm (1") 11°



Fully carburized. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 ⁵ / ₈ "	90516449	279-0321-03-C,02	8,2
2200	7'2 ⁵ / ₈ "	90003697	203-0322-03-C,02	8,6
2600	8'6 ³ / ₈ "	90516481	279-0326-03-C,02	10,1
2800	9'2 ¹ / ₄ "	90514410	279-0328-03-C,02	10,8

R32 (1¼") Hex. 28 mm (1½") 12°



Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

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

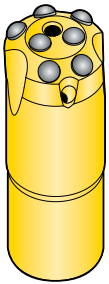


Drifting, tunnelling and bolting

Drill bit design	22
Magnum SR22 ($\frac{7}{8}$")	23
R25 (1")	25
Magnum SR28 ($1\frac{1}{8}$")	28
R28 ($1\frac{1}{8}$")	32
Magnum SR32 ($1\frac{1}{4}$")	34
R32 ($1\frac{1}{4}$")	36
Magnum SR35 ($1\frac{3}{8}$")	41
Magnum SR38 ($1\frac{1}{2}$")	47
TC35 ($1\frac{3}{8}$")	49
TC42 ($1\frac{21}{32}$")	51
Dome bits for reaming	54
Reaming equipment	55

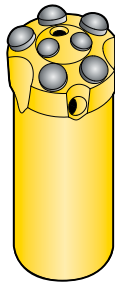
Drifting, tunnelling and bolting

Drill bit design



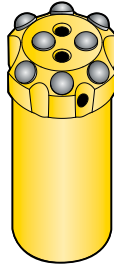
Model -17

2+3 gauge buttons, 2 front buttons.
One front and two side flushing holes.



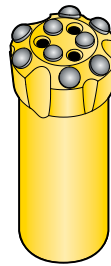
Model -27

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.



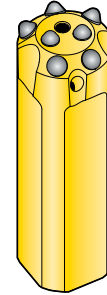
Model -34

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.



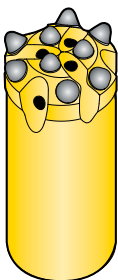
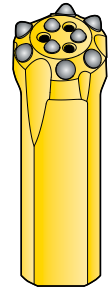
Model -37

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.



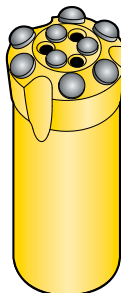
Model -27-30, -37-30

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.



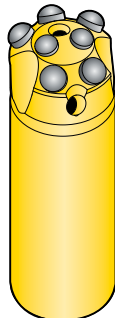
Model -37-66

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.



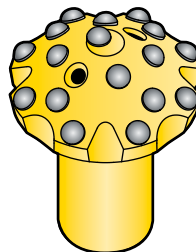
Model -39

2+2+2 gauge buttons, 3 smaller front buttons.
With its larger gauge buttons, model -39 is ideal for abrasive rock. Available with spherical or ballistic (-67) buttons.



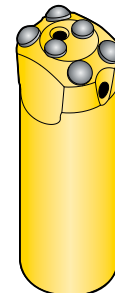
Model -41

2+3 gauge buttons, 2 front buttons.
For medium-hard to hard rock formations. Available with spherical or ballistic (-67) buttons. Inclined front.



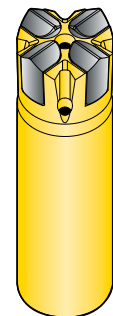
Model -42

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 center button bit

-XXXX- **67**
Ballistic buttons

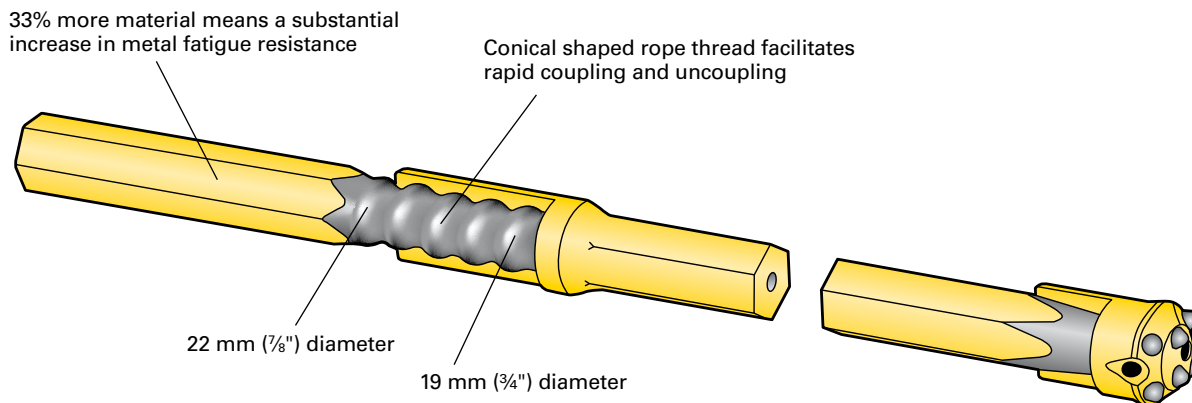
-XXXX- **66**
Full-ballistic buttons

-XXXX- **45**
Retrac skirt

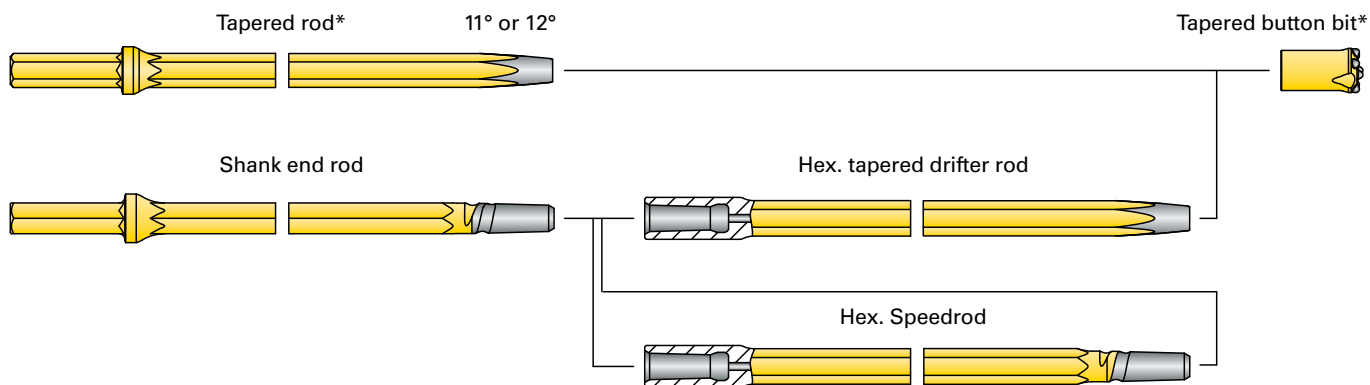
Please observe that all button bits are manufactured over-sized 0,5–1,0 mm, meaning that for example a 36,0 mm bit is at least 36,5 mm as new. This is done because of the fast initial wear on button bits.

It is important to consider that the drilled hole could vary in size due to drilling conditions, drilling practices and ground formation.

Magnum SR22 thread system

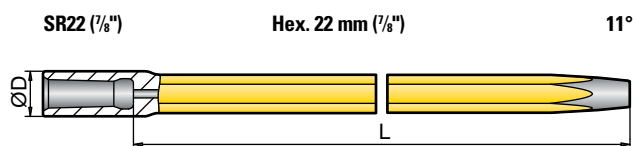


Magnum SR22 drill string



* Tapered rods and tapered button bits can be found on page 16 - 20.

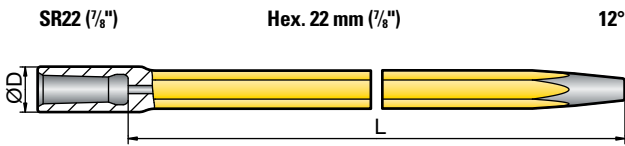
Tapered drifter rods




Fully carburized. D = 30 mm. Rod section 24,8 mm. Flushing hole diameter 6,7 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
340	1'1 3/8"	90515243	279-0203-29-91-MF-C,02	1,3
600	1'11 5/8"	90516414	279-0206-29-MF-C,02	2,1

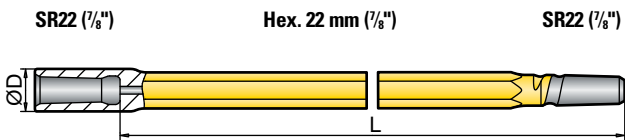
Tapered drifter rods




Fully carburized. D = 30 mm. Rod section 24,8 mm. 
Flushing hole diameter 6,7 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
600	1'11 5/8"	90516439	277-0206-29-MF-C,02	2,0
2400	7'10 1/2"	90516440	277-0224-29-MF-C,02	7,6

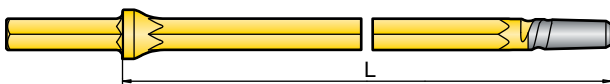
Speedrods



Fully carburized. D = 30 mm. Rod section 24,8 mm. 
Flushing hole diameter 6,7 mm.

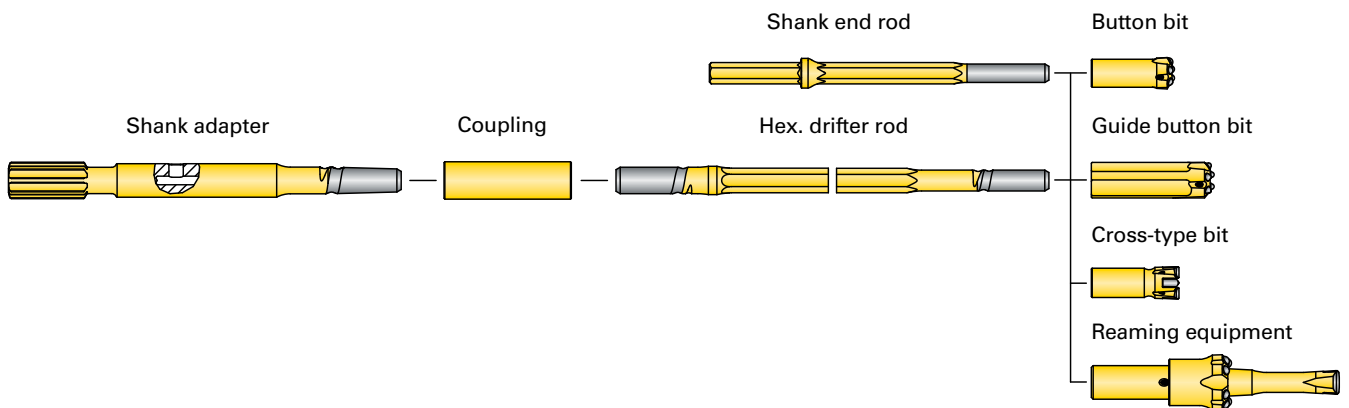
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
340	1'1 3/8"	90515244	229-0203-91-MF-C,02	1,2
600	1'11 5/8"	90516402	229-0206-MF-C,02	2,0
1220	4'	90516438	229-0212-MF-C,02	3,9
2435	8'	90516504	229-0224-MF-C,02	7,7

Shank end rods

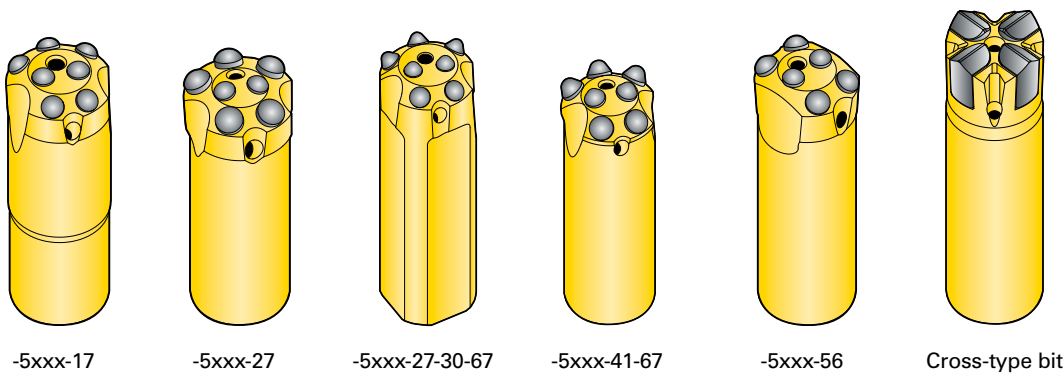


Fully carburized.
Flushing hole diameter 6,7 mm.

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"). 22 mm (7/8") thread.						
340	1'1 3/8"	90003629	529-0103-91-C,02	-	-	1,4
552	1'9 3/4"	90003631	529-0106-91-C,02	-	-	2,0
Shank hex. 22 mm (7/8") × 159 mm (6 1/4"). 22 mm (7/8") thread.						
100	3 15/16"	90003645	529-0201-91-C,02	-	-	0,7
340	1'1 3/8"	90003630	529-0203-91-C,02	-	-	1,4



Drill bits



Please note text on page 22 about finished hole size.

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		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	1	1	0,4
35	1 ³ / ₈	90505181	102-5035-27,39-20	7	5×9	2×7	1	1	0,5
37	1 ¹⁵ / ₃₂	90505295	102-5037-27,39-20	7	5×9	2×7	1	1	0,4
37	1 ¹⁵ / ₃₂	90513899	102-5037-99,39-20	7	5×9	2×7	1	1	0,5
38	1 ¹ / ₂	90505179	102-5038-27,39-20	7	5×9	2×7	1	1	0,6
38	1 ¹ / ₂	90510206	102-5038-56,39-20	6	4×9	2×8	2	1	0,5
41	1 ⁵ / ₈	90505175	102-5041-27,39-20	7	5×9	2×8	1	1	0,6
41	1 ⁵ / ₈	90510207	102-5041-56,39-20	6	4×9	2×9	2	1	0,6
45	1 ³ / ₄	90505145	102-5045-27,39-20	7	5×11	2×8	2	1	0,7
45	1 ³ / ₄	90510208	102-5045-56,39-20	6	4×11	2×9	2	1	0,6
48	1 ⁷ / ₈	90513912	102-5048-27,39-20	7	5×11	2×9	2	1	1,0
BUTTON BIT - Ballistic buttons									
33	1 ⁵ / ₁₆	90510274	102-5033-17-67,39-20	7	5×7	2×7	1	1	0,4
33	1 ⁵ / ₁₆	90514118	102-5033-41-67,39-20	7	5×8	2×7	1	1	0,4
35	1 ³ / ₈	90509723	102-5035-27-67,39-20	7	5×9	2×7	1	1	0,5
37	1 ¹⁵ / ₃₂	90513900	102-5037-99-67,39-20	7	5×9	2×7	1	1	0,5
38	1 ¹ / ₂	90505180	102-5038-27-67,39-20	7	5×9	2×7	1	1	0,5
41	1 ⁵ / ₈	90505176	102-5041-27-67,39-20	7	5×9	2×8	1	1	0,6
41	1 ⁵ / ₈	90510662	102-5041-27-30-67,39-20	7	5×9	2×8	1	1	0,8

Cross-type bits on next page


Drill bits

Diameter		Product No.	Product code	Insert		Flushing hole		Weight approx. kg
mm	inch			Width (mm)	Height (mm)	Side	Centre	
CROSS-TYPE BIT								
35	1 $\frac{3}{8}$	90514221	102-7035-44,20-17	10,3	19,5	2	1	0,4
38	1 $\frac{1}{2}$	90514222	102-7038-44,20-17	10,3	19,5	4	1	0,7
41	1 $\frac{5}{8}$	90514231	102-7041-44,20-17	11,1	20,0	4	1	0,8
45	1 $\frac{3}{4}$	90510687	102-7045-44,20-17	11,1	20,0	2	1	0,8
48	1 $\frac{7}{8}$	90510652	102-7048-38,02-17	14,0	22,0	4	1	1,0

Drifter rods

R32 (1 $\frac{1}{4}$ ") Hex. 25 mm (1") R25 (1")



Fully carburized. Rod section 28,4 mm. 
Flushing hole diameter 8,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
2100	6'10 $\frac{5}{8}$ "	90503413	202-0321-03-C,02	8,6
2200	7'2 $\frac{5}{8}$ "	90580096	202-0322-03-C,02	9,0
2400	7'10 $\frac{1}{2}$ "	90503115	202-0324-03-C,02	9,3
2460	8'7 $\frac{7}{8}$ "	90510804	202-0325-03-91-C,02	10,1
2600	8'6 $\frac{3}{8}$ "	90504963	202-0326-03-C,02	10,0
2675	8'9 $\frac{3}{8}$ "	90505259	202-0327-03-91-C,02	10,4
2800	9'2 $\frac{1}{4}$ "	90505346	202-0328-03-C,02	10,8
3090	10'1 $\frac{5}{8}$ "	90539158	202-0331-03-C,02	12,0
3700	12'1 $\frac{5}{8}$ "	90002721	202-0337-03-C,02	14,6
4000	13'1 $\frac{1}{2}$ "	90590088	202-0340-03-C,02	15,8

Couplings



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R32	1 $\frac{1}{4}$	44	1 $\frac{23}{32}$	150	5 $\frac{7}{8}$	90515731	303-0044,10	0,9
R32	1 $\frac{1}{4}$	44	1 $\frac{23}{32}$	160	6 $\frac{5}{16}$	90515732	303-0044-57,10	1,0

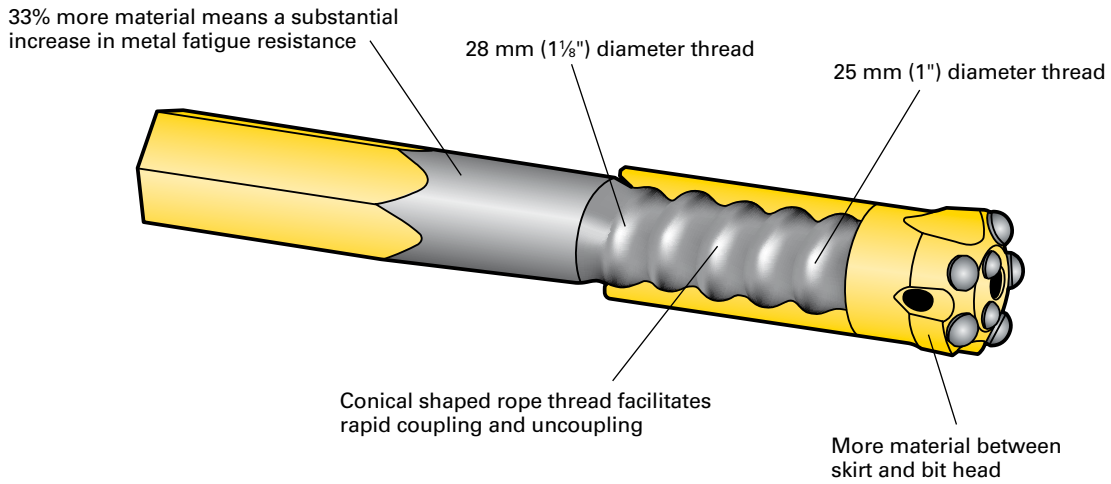
Shank end rods



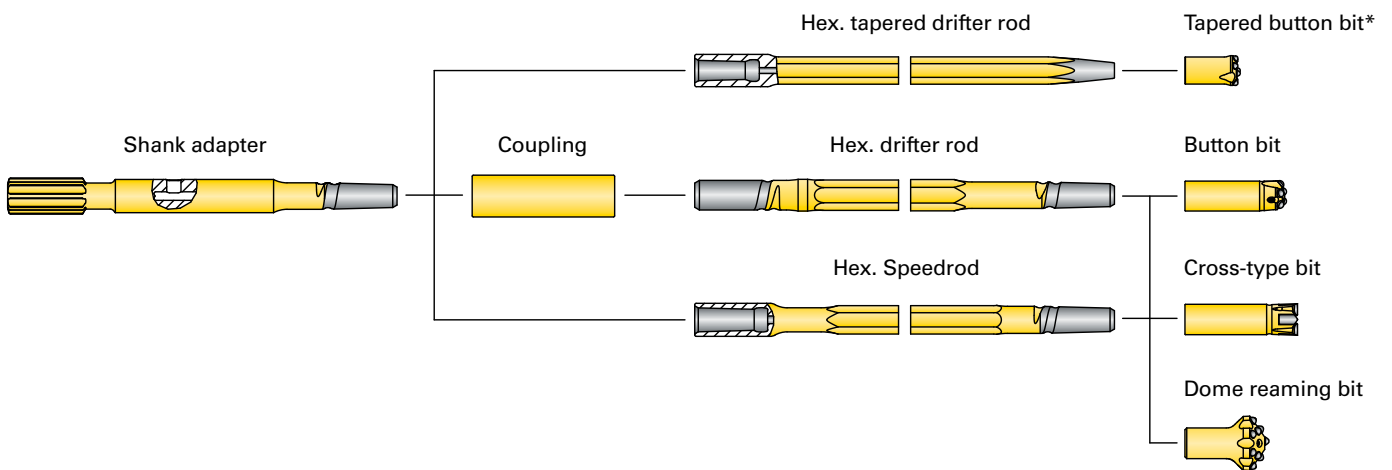
Fully carburized.

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. Flushing hole diameter 8,6 mm.						
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
2400	7' 10 1/2"	90513918	502-0124-C,02	–	–	7,9
2435	8'	90510009	502-0124-06-C,02	90002182	9232	7,9
3200	10' 6"	90513919	502-0132-C,02	–	–	10,4
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
4000	13' 1 1/2"	90502700	502-0140-06-C,02	90002182	9232	13,0
Shank hex. 25 mm (1") × 108 mm (4 1/4"). 25 mm (1") thread. Flushing hole diameter 8,6 mm.						
255	10"	90000240	502-1203-C,02	90000378	9150-08	1,4
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. Flushing hole diameter 8,6 mm.						
255	10"	90000247	502-1503-C,02	90000378	9150-08	1,6
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

Magnum SR28 thread system

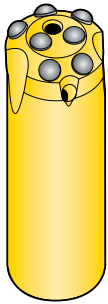


Magnum SR28 drill string

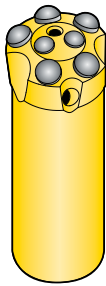


* Tapered button bits can be found on page 16 - 18.

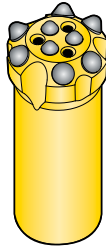
Drill bits



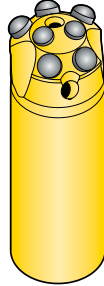
-5033-17



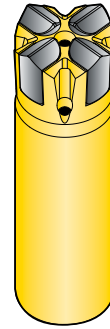
-5xxx-27



-5xxx-37-67



-5xxx-41



Cross-type bit

Please note text on page 22 about finished hole size.

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	0,4
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	0,4
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	0,5
38	1 1/2	90514705	125-5038-27-99,39-20*	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
42	1 21/32	90515543	125-5042-27,39-20	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	0,6
51	2	90514793	125-5051-27,39-20	7	5×11	2×10	45°	–	2	1	0,9
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
35	1 3/8	90003589	125-5035-41-67,39-20	7	5×9	2×7	25°	10°	–	1	0,4
37	1 5/32	90003625	125-5037-99-67,39-20	7	5×9	2×7	35°	15°	1	1	0,5
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	
35	1 3/8	90516590	125-7035-44,20-17	10,3		19,5		2	1	0,5	
37	1 5/32	90003526	125-7037-44,20-17	10,3		19,5		2	1	0,5	

* Thicker skirt.

Tapered drifter rods

SR28 (1 1/8")

Hex. 22 mm (7/8")

12°



Fully carburized. D = 34 mm. Rod section 24,8 mm.

Flushing hole diameter 6,7 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
675	2'2 5/8"	90514449	277-0207-25-91-MF-C,02	2,3
1165	3'9 7/8"	90514450	277-0212-25-91-MF-C,02	3,8
1665	5'5 1/2"	90514451	277-0217-25-91-MF-C,02	5,3

Drifter rods

R32 (1 1/4")

Hex. 28 mm (1 1/8")

SR28 (1 1/8")

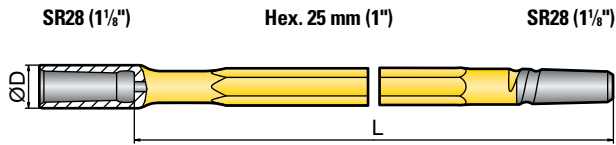


Fully carburized. Rod section 31,8 mm.

Flushing hole diameter 8,8 mm.

Length (L)		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 1/2"	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
3300	10'9 7/8"	90515496	225-0433-03-C,02	16,9
3700	12'1 5/8"	90514966	225-0437-03-C,02	18,9
5530	18'1 3/4"	90514599	225-0455-03-C,02	28,8

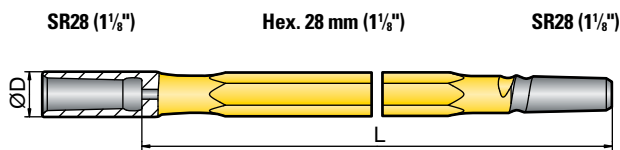
Speedrods



Fully carburized. D = 34 mm. Rod section 28,4 mm.
Flushing hole diameter 8,6 mm.



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



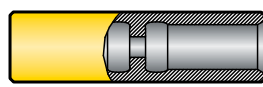
Fully carburized. D = 34 mm. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.



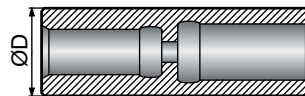
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
420	1'4 1/2"	90516476	225-0404-91-MF-C,02	2,2
700	2'3 1/2"	90515420	225-0407-69-MF-C,02	3,7
1200	3'11 1/4"	90514792	225-0412-MF-C,02*	6,2
2000	6'6 3/4"	90003524	225-0420-69-MF-C,02	10,5

* 38 mm diameter (D) on female end.

Couplings



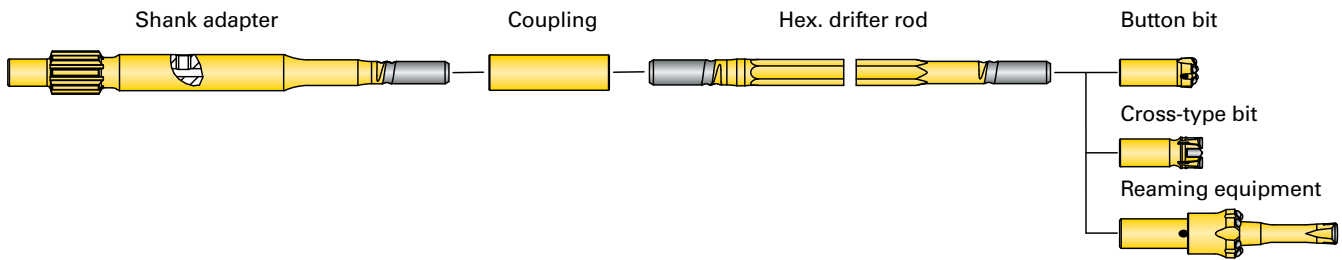
Full bridge -57.



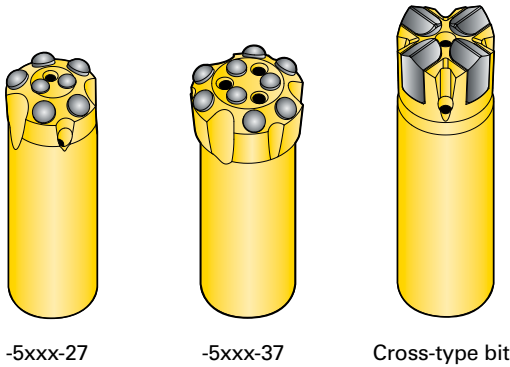
Cross over coupling.

Thread diameter		Diameter (D)		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R32	1 1/4	44	1 23/32	150	5 7/8	90515731	303-0044,10	0,9
R32	1 1/4	44	1 23/32	160	6 5/16	90515732	303-0044-57,10	1,0
R32-R38	1 1/4-1 1/2	55	2 5/32	170	6 3/4	90515748	303-1055-04,10*	2,0
R32-T38	1 1/4-1 1/2	55	2 5/32	170	6 3/4	90515749	303-1055-35,10*	2,0

* Cross over coupling.



Drill bits



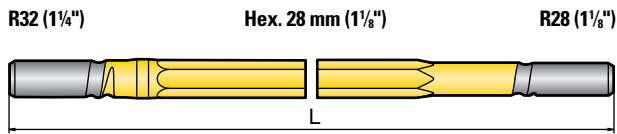
Please note text on page 22 about finished hole size.

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 15/32	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	
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	0,6	
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	

R28 (1 1/8")

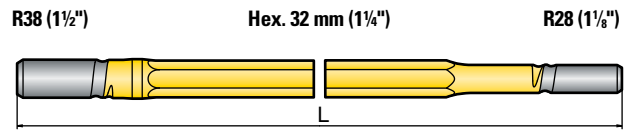
Drifting, tunnelling and bolting

Drifter rods



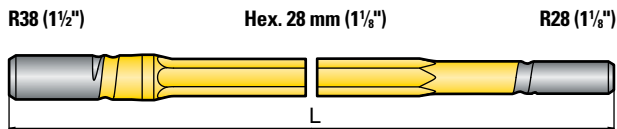
Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

Length (L)		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
3090	10'1 5/8"	90002714	207-0431-03-C,02	15,4
3400	11'1 7/8"	90502731	207-0434-03-C,02	17,9
3700	12'1 5/8"	90500410	207-0437-03-C,02	18,5
4310	14'1 5/8"	90500445	207-0443-03-C,02	21,5
5530	18'1 3/4"	90504989	207-0455-03-C,02	28,8



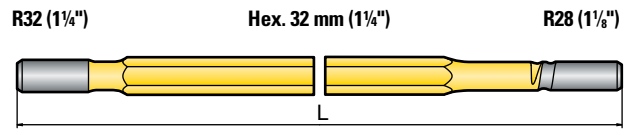
Fully carburized. Rod section 35,8 mm.
Flushing hole diameter 9,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3090	10'1 5/8"	90502394	207-0531-04-C,02	20,5
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



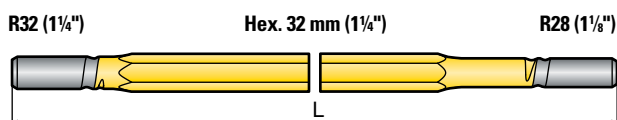
Fully carburized. Rod section 31,8 mm.
Flushing hole diameter 8,8 mm.

Length (L)		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	21,9



With slimmed shank end for female shank adapters.
Fully carburized. Rod section 35,8 mm.
Flushing hole diameter 9,6 mm.

Length (L)		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.
Flushing hole diameter 9,6 mm.

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

Couplings



Full bridge -57.

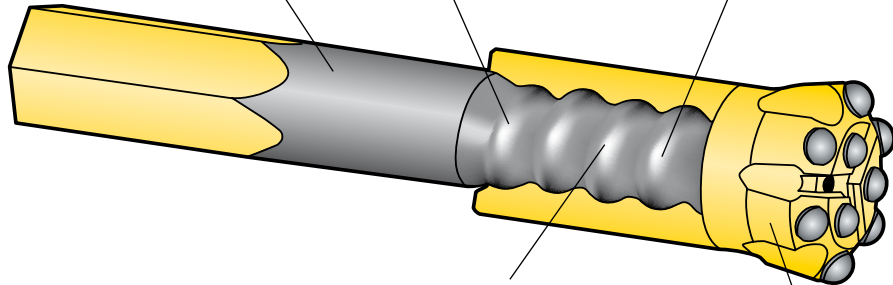
Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R32	1 1/4	44	1 23/32	150	5 7/8	90515731	303-0044,10	0,9
R32	1 1/4	44	1 23/32	160	6 5/16	90515732	303-0044-57,10	1,0
R38	1 1/2	55	2 5/32	170	6 3/4	90515733	304-0055,10	1,7
R38	1 1/2	55	2 5/32	180	7 1/8	90515734	304-0055-57,10	2,0

Magnum SR32 thread system

30% more material means a substantial increase in metal fatigue resistance

32 mm (1 1/4") diameter thread

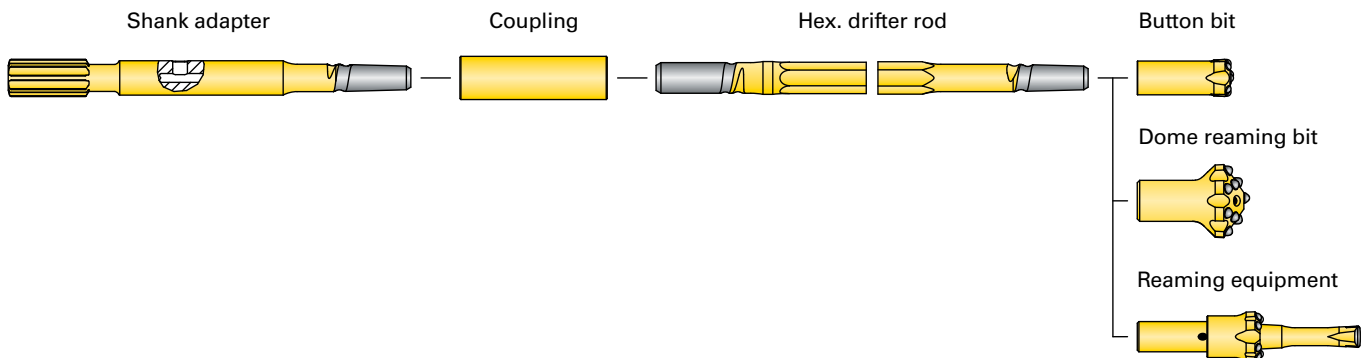
28 mm (1 1/8") diameter thread



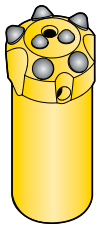
Conical shaped rope thread facilitates rapid coupling and uncoupling

More material between skirt and bit head

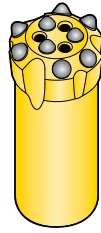
Magnum SR32 drill string



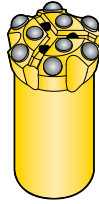
Drill bits



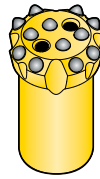
-5xxx-27-67



-5xxx-37-67



-6051

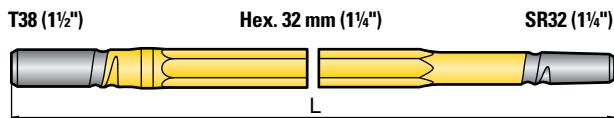



-5xxx-67

Please note text on page 22 about finished hole size.

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	90514503	126-6051,49-20	9	6×10	3×9	35°	-	3	0,9
BUTTON BIT - Ballistic buttons										
38	1½	90514501	126-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,5
41	1⅝	90516483	126-5041-37-67,39-20	9	6×9	3×7	40°	-	3	0,5
43	1⅞	90516484	126-5043-37-67,39-20	9	6×9	3×7	40°	-	3	0,6
45	1¾	90514953	126-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,7
48	1⅞	90515721	126-5048-37-67,39-20	9	6×10	3×9	40°	1	3	0,9
64	2½	90514954	126-5064-67,49-20	12	8×10	4×10	40°	-	2	1,6

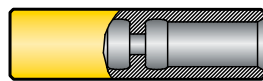
Drifter rods



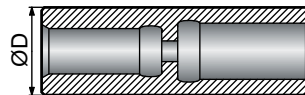
Fully carburized. Rod section 35,8 mm. 
Flushing hole diameter 9,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3090	10'1⅝"	90514504	226-0531-35-C,02	19,7
3700	12'1⅞"	90514727	226-0537-35-C,02	23,6
4300	14'1¼"	90514505	226-0543-35-C,02	27,5
4920	16'1¾"	90516252	226-0549-35-C,02	31,5

Couplings



Full bridge -57.

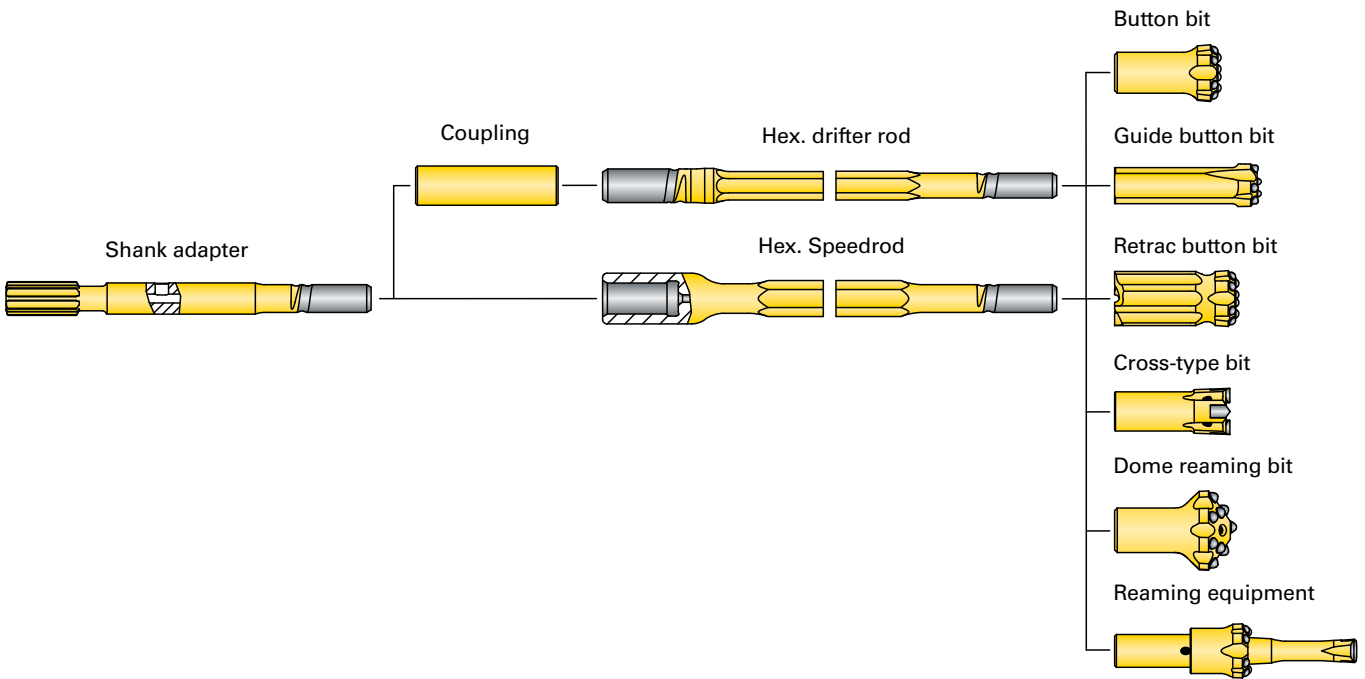


Cross over coupling.

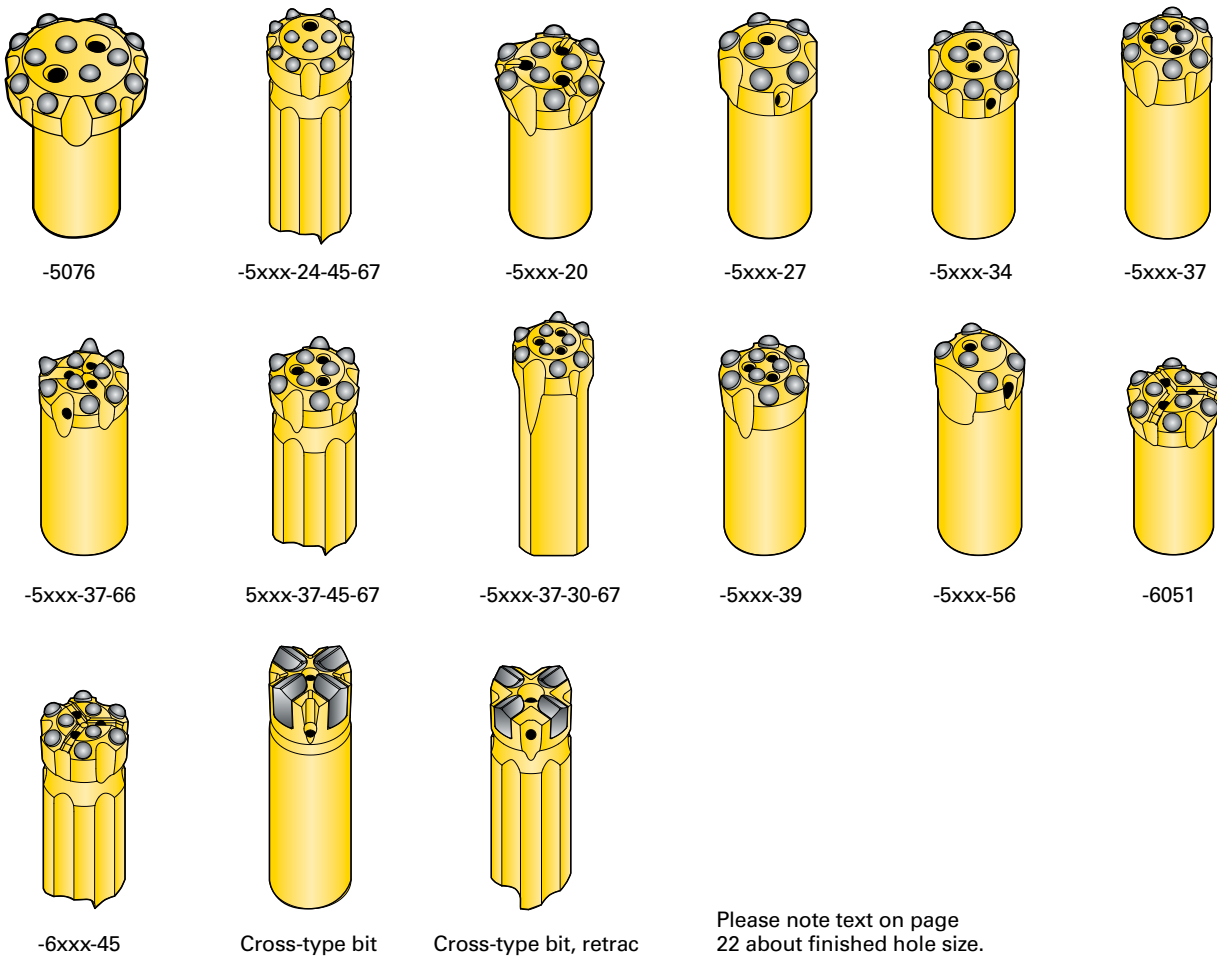
Thread diameter		Diameter (D)		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T38	1½	52	2⅛	190	7½	90515736	335-0052,10*	1,7
T38	1½	55	2⅝ ₃₂	190	7½	90515737	335-0055-10	1,9
T38	1½	55	2⅝ ₃₂	190	7½	90515738	335-0055-57,10	2,0
R38-T38	1½-1½	55	2⅝ ₃₂	180	7⅞	90515750	304-1055-35,10**	1,8
T38-TC42	1¼-1½	57	2¼	175	6⅞	90516551	335-1057-71,10**	2,0

* Recommended for high frequency drifters.

** Cross over coupling.



Drill bits



Please note text on page 22 about finished hole size.

Drill bits

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	1⅝	90505171	103-5041-27,39-20	7	5×9	2×8	35°	1	1	0,9
41	1⅝	90510209	103-5041-56,39-20	6	4×9	2×9	35°	2	1	0,6
43	1⅞	90505164	103-5043-27,39-20	7	5×9	2×9	35°	2	1	0,7
43	1⅞	90514717	103-5043-37,39-20	9	6×9	3×8	40°	1	3	0,8
45	1¾	90504373	103-5045-27,39-20	7	5×11	2×8	30°	2	1	0,8
45	1¾	90509457	103-5045-37,39-20	9	6×9	3×8	35°	1	3	0,8
45	1¾	90504401	103-5045-39,39-20	9	6×10	3×8	30°	1	3	0,8
45	1¾	90510211	103-5045-56,39-20	6	4×11	2×9	35°	2	1	0,8
48	1⅞	90504374	103-5048-27,39-20	7	5×11	2×9	35°	2	1	0,8
48	1⅞	90509461	103-5048-37,39-20	9	6×10	3×8	40°	1	3	0,9
51	2	90510450	103-5051,39-20	7	5×11	2×11	35°	1	1	0,8
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	0,9
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	1,1
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	3,4
BUTTON BIT - Ballistic buttons										
41	1⅝	90505172	103-5041-27-67,39-20	7	5×9	2×8	40°	1	1	0,7
41	1⅝	90510744	103-5041-34-67,39-20	8	6×8	2×8	40°	2	2	0,6
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	90509460	103-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,8
45	1¾	90514540	103-5045-39-67,39-20	9	6×10	3×8	35°	1	3	0,8
48	1⅞	90509464	103-5048-37-67,39-20	9	6×10	3×9	40°	1	3	0,8
48	1⅞	90509463	103-5048-37-30-67,39-20	9	6×10	3×8	25°	1	3	1,0
51	2	90509466	103-5051-37-67,39-20	9	6×10	3×9	40°	1	3	0,9
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	1,8
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	1,0
64	2½	90510327	103-5064-67,49-20	12	8×10	4×10	40°	–	2	1,4
64	2½	90510414	103-6064-45-67,49-20	10	6×11	3×10, 1×10	35°	–	3	2,2

Cont. next page

Drill bits

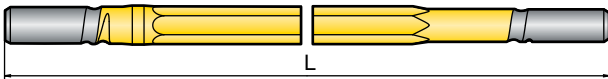
Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
BUTTON BIT - Full-ballistic buttons (soft rock bit)										
45	1¾	90514771	103-5045-34-66,39-20	8	6×9	2×9	40°	–	2	0,5
45	1¾	90514111	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	0,8
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
54	2⅞	90514238	103-7054-46,02-17		15,8	29,0		2	1	1,2
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		2	1	1,4


Drifter rods

R/T38 (1½")

Hex. 32 mm (1¼")

R32 (1¼")



Fully carburized. Rod section 35,8 mm. 
Flushing hole diameter 9,6 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
2400	7'10½"	90590025	203-0524-04-C,02		15,3
2400	7'10½"	90515439		203-0524-35-C,02	15,3
2700	8'10¼"	90509478	203-0527-04-C,02		17,2
3090	10'1⅝"	90003070	203-0531-04-C,02		19,7
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		23,5
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		27,4
4310	14'1⅝"	90500213		203-0543-35-C,02	27,3
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
5530	18'1¾"	90500486		203-0555-35-C,02	34,8

Drifter rods

R38 (1½") Hex. 32 mm (1¼") R32 (1¼")



Double thread, fully carburized. Rod section 35,8 mm. Flushing hole diameter 9,6 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
4310	14'1 ⁵ / ₈ "	90002718	203-0543-04-95-C,02		27,5

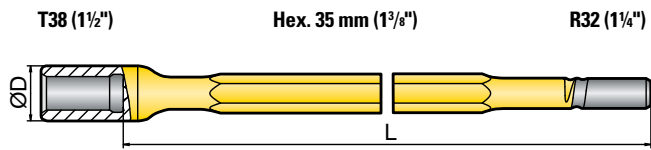
R/T38 (1½") Hex. 35 mm (1³/₈") R32 (1¼")



Fully carburized. Rod section 39,6 mm. Flushing hole diameter 9,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
3090	10'1 ⁵ / ₈ "	90502129	203-0631-04-C,02		23,9
3090	10'1 ⁵ / ₈ "	90504392		203-0631-35-C,02	23,8
3600	11'9 ³ / ₄ "	90510484		203-0636-35-C,02	28,3
3700	12'1 ⁵ / ₈ "	90501015	203-0637-04-C,02		28,6
3700	12'1 ⁵ / ₈ "	90502308		203-0637-35-C,02	28,6
4000	13'1 ¹ / ₂ "	90502995	203-0640-04-C,02		31,2
4310	14'1 ⁵ / ₈ "	90002966	203-0643-04-C,02		33,7
4310	14'1 ⁵ / ₈ "	90500862		203-0643-35-C,02	33,6
4500	14'9 ¹ / ₈ "	90504182	203-0645-04-C,02		34,7
4500	14'9 ¹ / ₈ "	90504966		203-0645-35-C,02	34,7
4920	16'1 ³ / ₄ "	90002964	203-0649-04-C,02		38,2
4920	16'1 ³ / ₄ "	90502235		203-0649-35-C,02	38,3
5530	18'1 ³ / ₄ "	90002965	203-0655-04-C,02		43,1
5530	18'1 ³ / ₄ "	90502616		203-0655-35-C,02	43,2
6100	20'1 ¹ / ₈ "	90503854		203-0661-35-C,02	47,7
6400	21'	90504967		203-0664-35-C,02	49,3

Speedrods



Fully carburized. D = 57 mm. Rod section 39,6 mm. Flushing hole diameter 9,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
3700	12'1½"	90503939		203-0637-35-MF-C,02	29,8
4310	14'1½"	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

Couplings



Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		R38 thread	T38 thread	
T38	1½	52	2¼	190	7½	90515736		335-0052,10*	1,7
R38	1½	55	2⅝	170	6¾	90515733	304-0055,10		1,7
T38	1½	55	2⅝	190	7½	90515737		335-0055,10	1,9
R38	1½	55	2⅝	180	7⅞	90515734	304-0055-57,10		2,0
T38	1½	55	2⅝	180	7⅞	90515738		335-0055-57,10	2,0

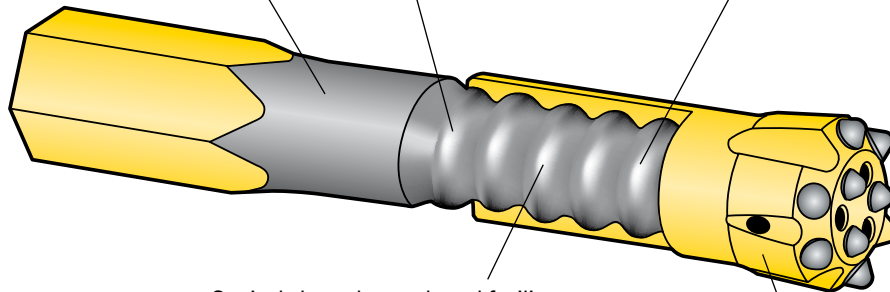
* Recommended for high frequency drifters.

Magnum SR35 thread system

30% more material means a substantial increase in metal fatigue resistance

35 mm (1³/₈" diameter thread

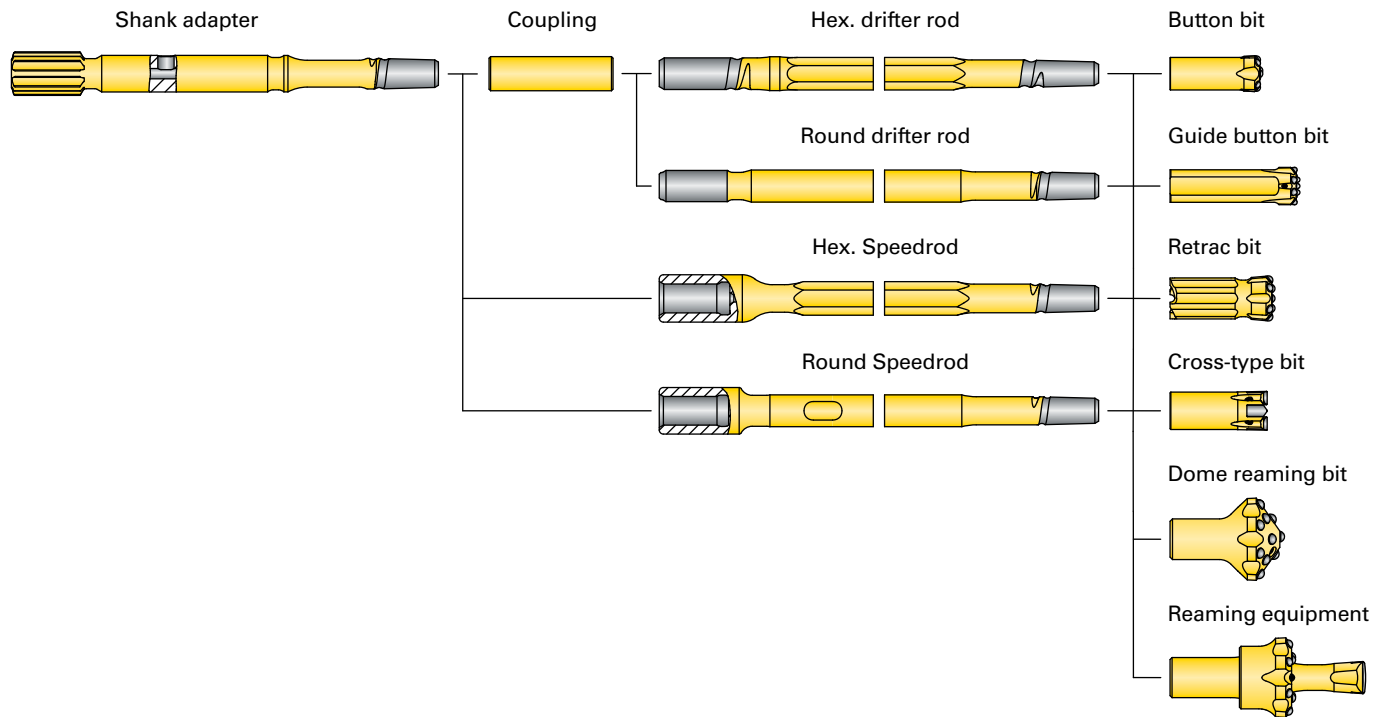
32 mm (1¹/₄" diameter thread



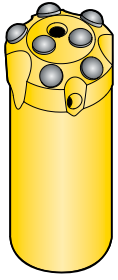
Conical shaped rope thread facilitates rapid coupling and uncoupling

More material between skirt and bit head

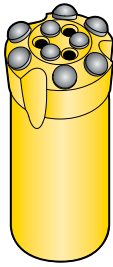
Magnum SR35 drill string



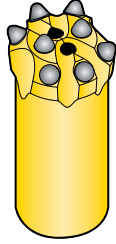
Drill bits



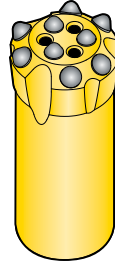
-5xxx-27



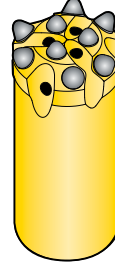
-5xxx-39



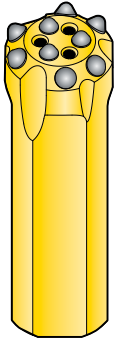
-5xxx-34-66



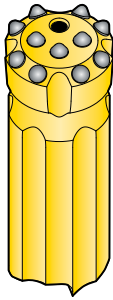
-5xxx-37-67



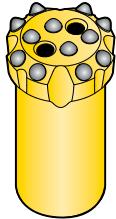
-5xxx-37-66



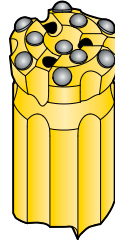
-5xxx-37-30-67



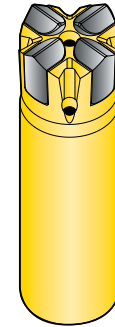
-5xxx-24-45-67



-5xxx-67



-6xxx-45



Cross-type bit

Please note text on page 22 about finished hole size.

Drill bits

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	1	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	
51	2	90514649	128-5051-39,39-20	9	6×11	3×9	35°	1	3	1,0	
54	2 ¹ / ₈	90516638	128-6054-45,39-20	9	6×10	3×9	40°	1	3	1,3	
BUTTON BIT - Ballistic buttons											
43	1 ¹¹ / ₁₆	90515576	128-5043-27-67,39-20	7	5×9	2×9	35°	2	1	0,7	
43	1 ¹¹ / ₁₆	90516546	128-5043-37-67,39-20	9	6×8	3×8	40°	1	3	0,7	
43	1 ¹¹ / ₁₆	90516547	128-5043-39-67,39-20	9	6×9	3×8	35°	–	3	0,7	
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	
51	2	90514595	128-5051-24-45-67,39-20	11	8×9	3×9	35°	2	1	1,6	
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	6×11	3×10	35°	1	3	1,0	
54	2 ¹ / ₈	90516569	128-6054-45-67,39-20	9	6×10	3×9	40°	1	3	1,3	
64	2 ¹ / ₂	90513870	128-5064-67,49-20	12	8×10	4×10	40°	–	2	1,6	
BUTTON BIT - Full-ballistic buttons (soft rock bit)											
45	1 ³ / ₄	90514640	128-5045-34-66,39-20	8	6×9	2×9	40°	–	2	0,7	
48	1 ⁷ / ₈	90514415	128-5048-37-66,39-20	9	6×9	3×9	40°	1	3	0,9	
51	2	90516628	128-5051-37-66,39-20	9	6×10	3×9	40°	1	3	0,8	
CROSS-TYPE BIT					Insert						
					Width (mm)		Height (mm)				
48	1 ⁷ / ₈	90513838	128-7048-49,02-16		14,0		25,0		4	1	1,0

* Reversed flushing.


Drifter rods

R/T38 (1¹/₂"

Hex. 35 mm (1³/₈"

SR35 (1³/₈"



Fully carburized. Rod section 39,6 mm. 
Flushing hole diameter 9,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 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 "	90513858		228-0643-35-C,02	33,7
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

T38 (1¹/₂"

Round 39 mm (1¹/₂"

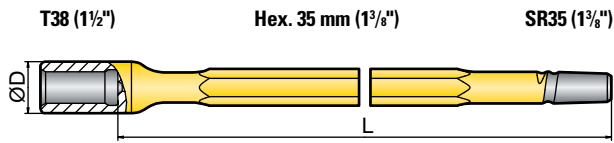
SR35 (1³/₈"




Fully carburized.
Flushing hole diameter 14,5 mm.

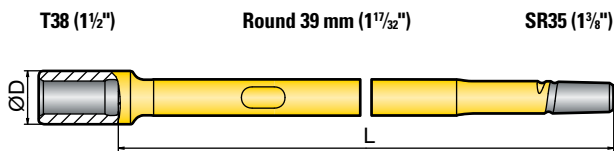
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4310	14'1 ⁵ / ₈ "	90003570	228-4743-35-C,02	34,1
4920	16'1 ³ / ₄ "	90003571	228-4749-35-C,02	39,0
5530	18'1 ³ / ₄ "	90003572	228-4755-35-C,02	43,9
6100	20'1 ¹ / ₈ "	90003573	228-4761-35-C,02	48,4
6400	21'	90003574	228-4764-35-C,02	51,0

Speedrods



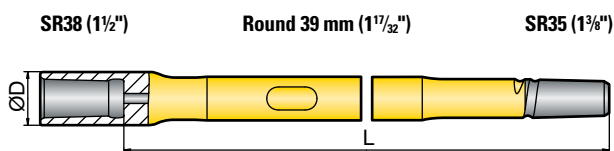
Fully carburized. D = 57 mm. Rod section 39,6 mm. 
Flushing hole diameter 9,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
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. D = 57 mm.
Flushing hole diameter 14,5 mm.

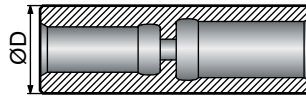
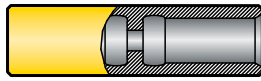
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
5530	18' 1 3/4"	90003575	228-4755-35-MF-C,02	45,5



Fully carburized. D = 48 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4300	14' 1 1/4"	90003565	228-4743-27-69-MF-C,02	35,0
4920	16' 1 3/4"	90003566	228-4749-27-69-MF-C,02	40,0
5530	18' 1 3/4"	90003568	228-4755-27-69-MF-C,02	44,9
6100	20'	90003567	228-4761-27-69-MF-C,02	49,6
6400	21'	90003569	228-4764-27-69-MF-C,02	52,0

Couplings



Full bridge -57.

Cross over coupling.

Thread diameter		Diameter (D)		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		R38 thread	T38 thread	
T38	1½	52	2 ¹ / ₁₆	190	7½	90515736		335-0052,10*	1,7
R38	1½	55	2 ⁵ / ₃₂	170	6¾	90515733	304-0055,10		1,7
T38	1½	55	2 ⁵ / ₃₂	190	7½	90515737		335-0055,10	1,9
R38	1½	55	2 ⁵ / ₃₂	180	7 ¹ / ₈	90515734	304-0055-57,10		2,0
T38	1½	55	2 ⁵ / ₃₂	180	7 ¹ / ₈	90515738		335-0055-57,10	2,0
R38-T38	1½-1½	55	2 ⁵ / ₃₂	180	7 ¹ / ₈	90515750	304-1055-35,10**		1,8
T38-TC42	1½-1 ² / ₃₂	57	2¼	175	6 ⁷ / ₈	90516551		335-1057-71,10**	2,0

* Recommended for high frequency drifters.

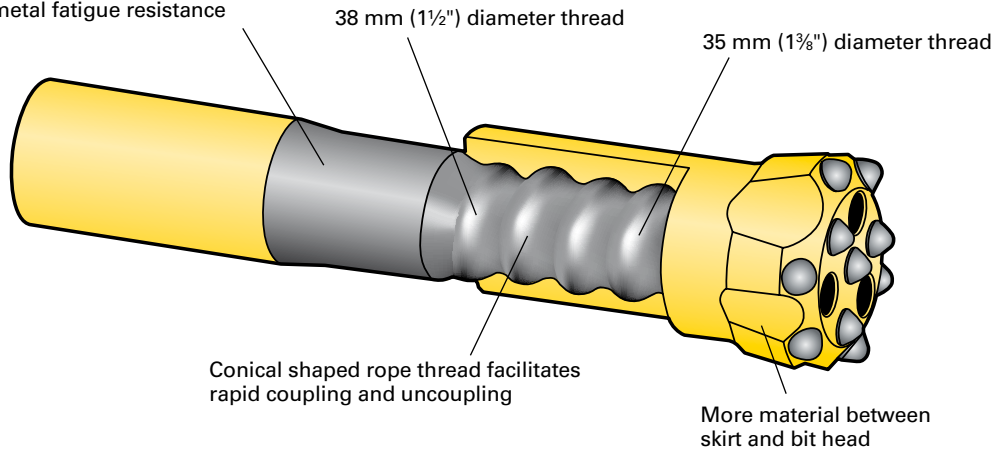
** Cross over coupling.

SR38 (1½")

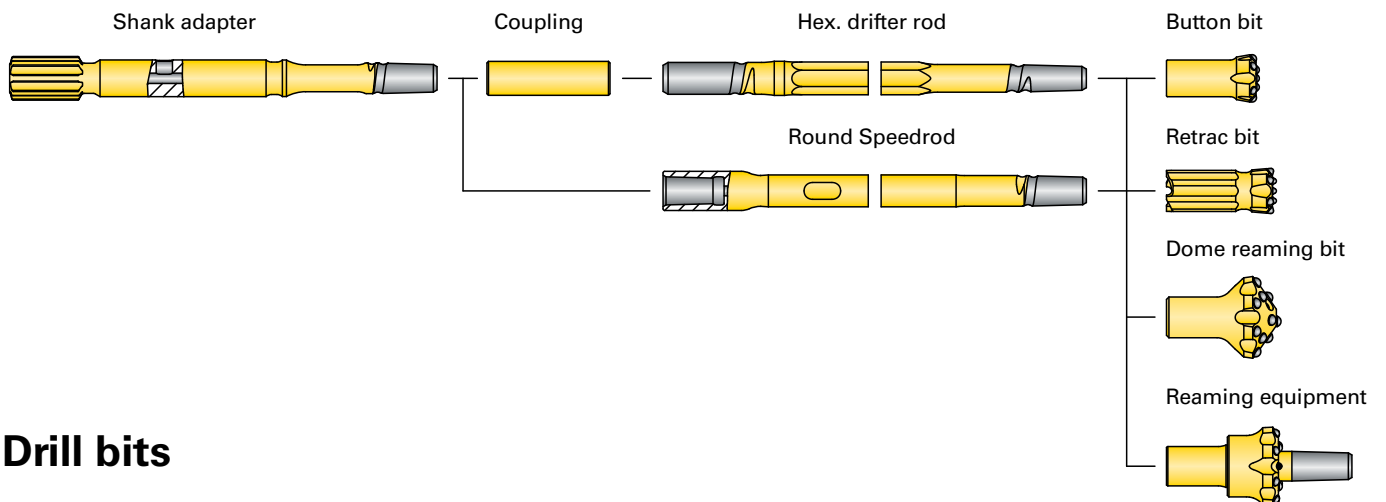
Drifting, tunnelling and bolting

Magnum SR38 thread system

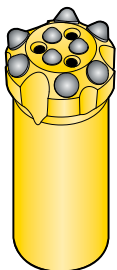
30% more material means a substantial increase in metal fatigue resistance



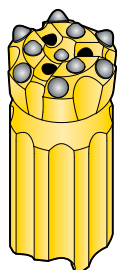
Magnum SR38 drill string



Drill bits



-5054-37



-6054-45-67


Please note text on page 22 about finished hole size.

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											
54	2⅝	90515702	127-5054-37,49-20	9	6×10	3×9	40°	-	1	3	0,9
BUTTON BIT - Ballistic buttons											
54	2⅝	90516531	127-6054-45-67,39-20	9	6×10	3×9	40°	-	1	3	1,3

Drifter rods

T38 (1½") Hex. 38 mm (1½") SR38 (1½")

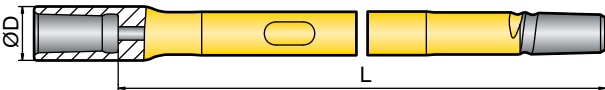


Fully carburized. Rod section 43,0 mm. 
Flushing hole diameter 16,0 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
4920	16'1¾"	90516014	227-0749-35-C,02	41,8
5500	18'½"	90515787	227-0755-35-C,02	46,7
6100	20'	90516015	227-0761-35-C,02	51,8

Speedrods

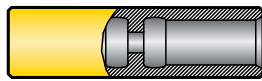
SR38 (1½") Round 39 mm (1½") SR38 (1½")



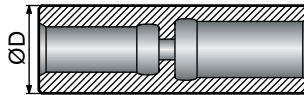
Fully carburized. D = 48 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
1830	6'	90515703	227-4718-69-MF-C,02	15,3
3050	10'	90514774	227-4731-69-MF-C,02	25,0
4920	16'1¾"	90516624	227-4749-69-MF-C,02	40,3

Couplings



Full bridge -57.



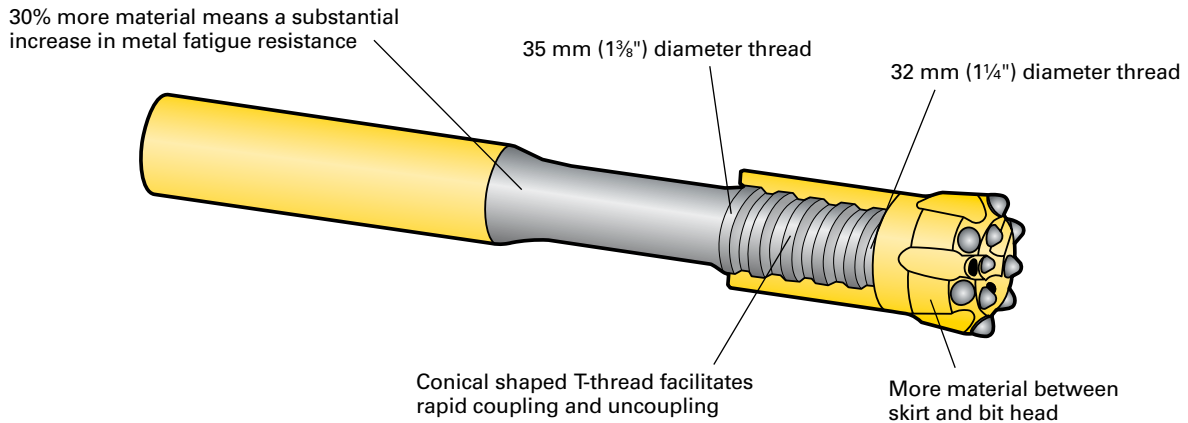
Cross over coupling.

Thread diameter		Diameter (D)		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T38	1½	52	2 1/16	190	7½	90515736	335-0052,10*	1,7
T38	1½	55	2 5/32	190	7½	90515737	335-0055,10	1,9
T38	1½	55	2 5/32	180	7 1/8	90515738	335-0055-57,10	2,0
R38-T38	1½-1½	55	2 5/32	180	7 1/8	90515750	304-1055-35,10**	1,8
T38-TC42	1½-1 2 1/32	57	2 1/4	175	6 7/8	90516551	335-1057-71,10**	2,0

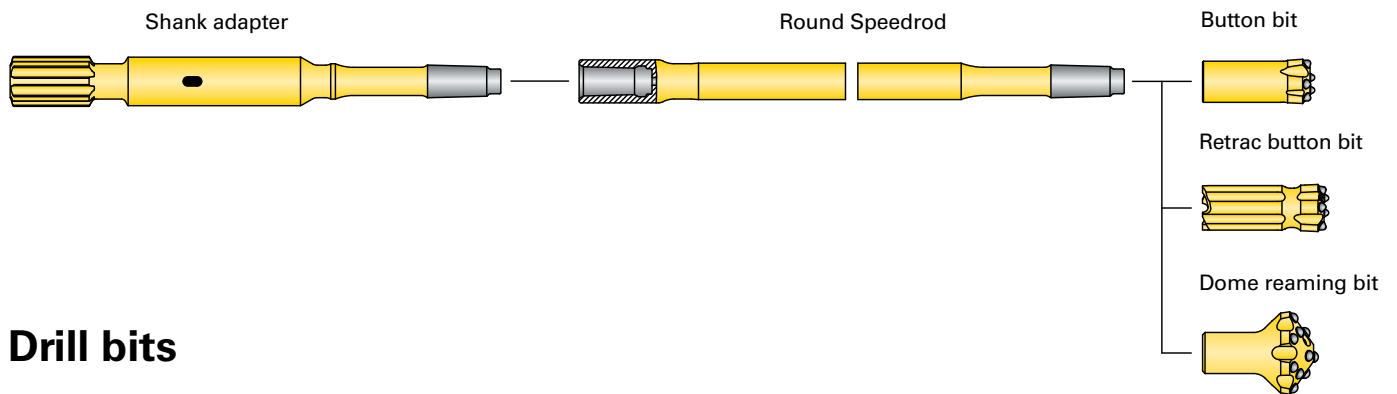
* Recommended for high frequency drifters.

** Cross over coupling.

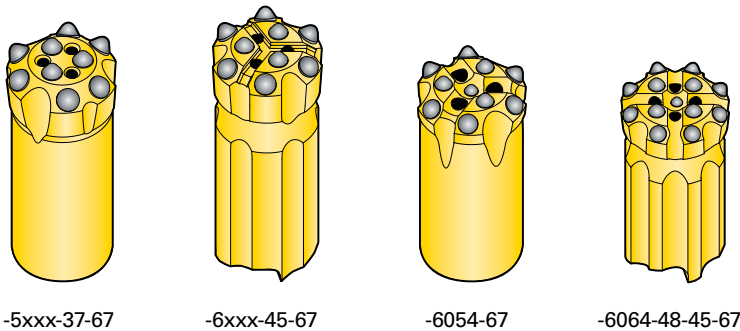
TC35 thread system



TC35 drill string



Drill bits

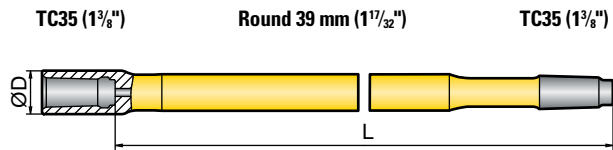


Please note text on page 22 about finished hole size.

Diameter		Product No.	Product code	No. of buttons	Buttons x button diameter (mm)		Gauge buttons angle°	Flushing hole		Weight approx. kg
mm	inch				Gauge	Centre		Side	Centre	
BUTTON BIT - Ballistic buttons										
48	1 7/8	90516336	169-5048-37-67,39-20	9	6x10	3x9	40°	1	3	1,0
51	2	90003692	169-5051-37-67,39-20	9	6x10	3x9	40°	1	3	1,0
51	2	90516337	169-6051-45-67,49-20	9	6x10	3x9	35°	-	3	1,2
54	2 1/8	90516564	169-6054-67,39-20	9	6x10	3x9, 1x7	40°	-	3	1,0
54	2 1/8	90516423	169-6054-45-67,49-20	9	6x11	3x9	40°	-	3	1,3
57	2 1/4	90516536	169-6057-45-67,39-20	9	6x11	3x9	40°	-	3	1,5
64	2 1/2	90516424	169-6064-48-45-67,49-20	13	8x10	4x10, 1x7	35°	-	4	2,0

* TC35 is used for cablebolting and production drilling, hole range 48-64 mm.

Speedrods



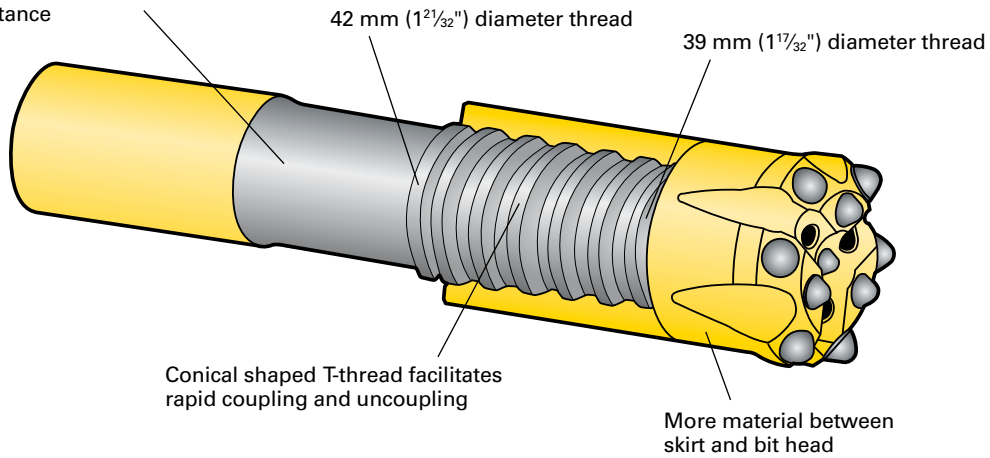
Fully carburized. D = 46 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
1220	4	90003595	269-4712-MF-C,02	9,8
1525	5	90003647	269-4715-MF-C,02	12,3
1830	6	90003576	269-4718-MF-C,02	14,9
2435	8	90003646	269-4724-MF-C,02	19,7
3050	10	90003577	269-4731-MF-C,02	24,7
3660	12	90003578	269-4737-MF-C,02	29,6
4270	14	90003579	269-4743-MF-C,02	34,6

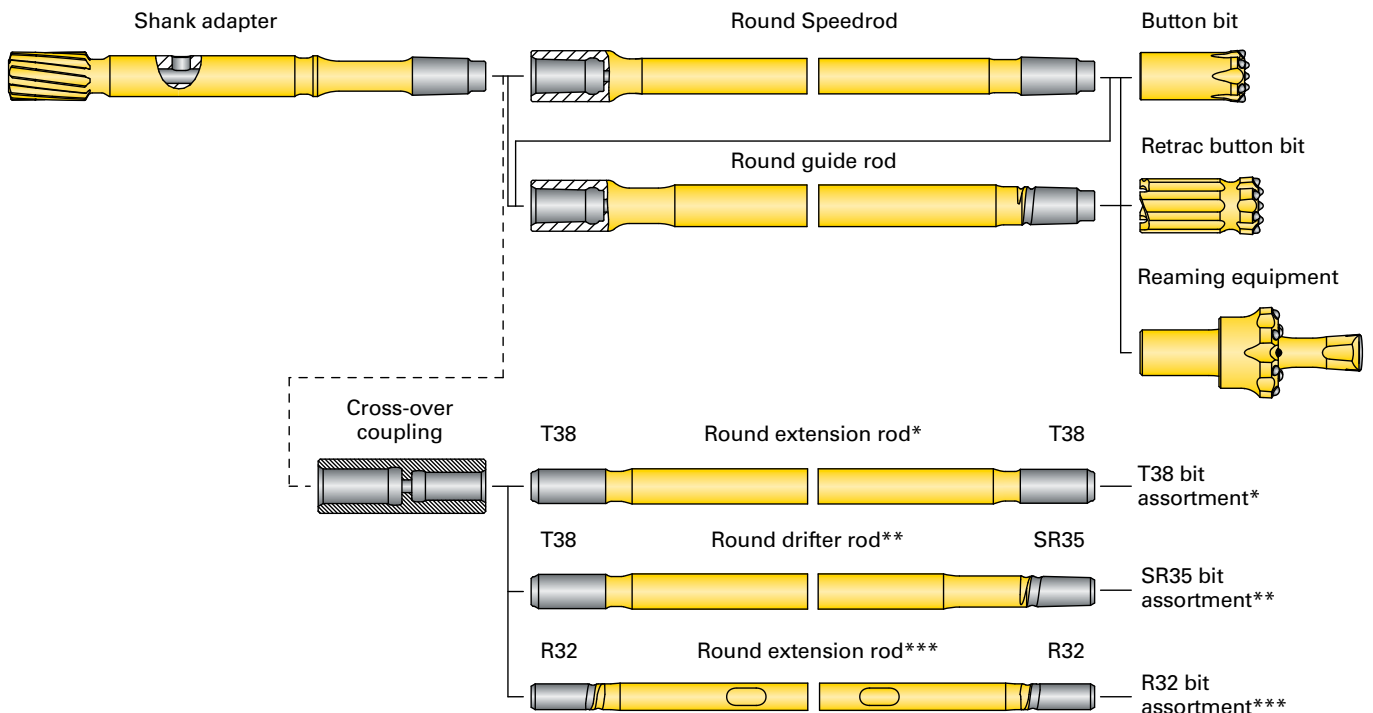
* TC35 is used for cablebolting and production drilling, hole range 48-64 mm.

TC42 thread system

20-45% more material (depending on model) means a substantial increase in metal fatigue resistance



TC42 drill string

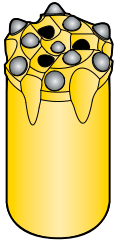


* T38 round extension rods and T38 button bits can be found on page 76 - 78.

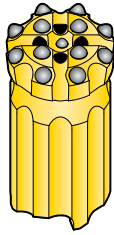
** SR35-T38 round drifter rods and SR35 button bits can be found on page 42 - 44.

*** R32 round extension rods can be found on page 72 and R32 button bits can be found on page 36 - 38.

Drill bits



-6057-67



-6064-48-45-67

Please note text on page 22 about finished hole size.

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 - Ballistic buttons											
57	2¼	90516556	171-6057-67,39-20	9	6×10	3×9	40°	–	–	3	1,2
64	2½	90516557	171-6064-48-45-67,39-20	12	8×10	4×10, 1×7	40°	–	–	4	1,9

Speedrods

TC42 (1²¹/₃₂"

Round 39 mm (1¹⁷/₃₂"

TC42 (1²¹/₃₂"



Fully carburized. D = 56 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
2435	8	90516605	271-4724-MF-C,02	20,6
3050	10	90516553	271-4731-MF-C,02	25,5

Guide rods

TC42 (1²¹/₃₂"

Round 42 mm (1¹³/₁₆"

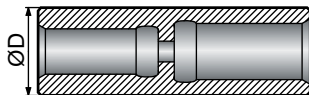
TC42 (1²¹/₃₂"



Fully carburized. D = 56 mm.
Flushing hole diameter 17,0 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
5500	18½"	90003726	271-4955-MF-C,02	62,3
6100	20'	90516606	271-4961-MF-C,02	69,0
6400	21'	90516555	271-4964-MF-C,02	71,6

Couplings



Cross over coupling.

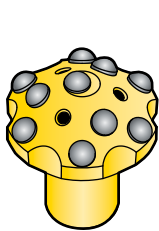
Thread diameter		Diameter (D)		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T38-TC42	1 ²¹ / ₃₂ -1 ¹ / ₂	57	2 ¹ / ₄	175	6 ⁷ / ₈	90516551	335-1057-71,10	2,0
R32-TC42	1 ¹ / ₄ -1 ¹ / ₂	57	2 ¹ / ₄	165	6 ¹ / ₂	90003675	303-1057-71,10	2,2

Drifting, tunnelling and bolting

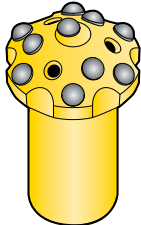
Dome bits for reaming

Taper angle 7°, 11°, 12°

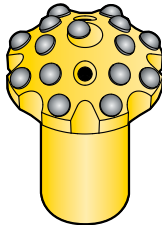
SR28 (1⅛"), SR32 (1¼"), R32 (1¼"), SR35 (1⅜"), TC35 (1⅜"), SR38 (1½")



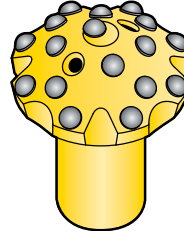
-5064-42-24



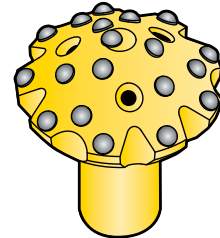
-5076-42-24



-5089-42-24



-5102-42-24



-5127-42-24

Please note text on page 22 about finished hole size.

Taper angle	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	
TAPERED DOME BIT - Spherical buttons											
7°	64	2½	90003661	173-5064-42-24,49-20	10	9x11	1x11	35°	3	1	0,8
11°	64	2½	90003663	177-5064-42-24,49-20	10	9x11	1x11	35°	3	1	0,8
12°	64	2½	90003662	179-5064-42-24,49-20	10	9x11	1x11	35°	3	1	0,7

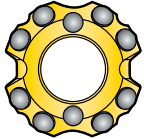
Thread		Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle	Flushing hole		Weight approx. kg
mm	inch	mm	inch				Gauge	Centre		Side	Centre	
DOME BIT - Spherical buttons												
SR28	1⅛	76	3	90515258	125-5076-42-24,49-20	10	9x12,7	1x12,7	35°	–	3	2,0
SR32	1¼	102	4	90515257	126-5102-42-24,49-20	17	16x12,7	1x12,7	35°	2	2	3,2
R32	1¼	76	3	90514373	103-5076-42-24,49-20	10	9x12,7	1x12,7	35°	1	3	2,0
R32	1¼	89	3½	90510843	103-5089-42-24,49-20	15	14x12,7	1x12,7	35°	2	2	2,5
R32	1¼	127	5	90513779	103-5127-42-24,49-20	19	18x12,7	1x12,7	35°	1	3	4,8
SR35	1⅜	89	3½	90513848	128-5089-42-24,49-20	15	14x12,7	1x12,7	35°	2	2	2,5
SR35	1⅜	102	4	90513850	128-5102-42-24,49-20	17	16x12,7	1x12,7	35°	2	2	3,1
TC35	1⅜	102	4	90003723	169-5102-42-24,39-20	17	16x12,7	1x12,7	35°	2	2	3,1
SR35	1⅜	127	5	90514219	128-5127-42-24,49-20	19	18x12,7	1x12,7	35°	1	3	4,8
SR38	1½	102	4	90515831	127-5102-42-24,49-20	17	16x12,7	1x12,7	35°	2	2	3,1
DOME BIT - Ballistic buttons												
SR32	1¼	76	3	90514502	126-5076-42-24-67,49-20	10	9x12,7	1x12,7	35°	1	3	2,0
R32	1¼	76	3	90510821	103-5076-42-24-67,49-20	10	9x12,7	1x12,7	35°	1	3	2,0
R32	1¼	89	3½	90510820	103-5089-42-24-67,49-20	15	14x12,7	1x12,7	35°	2	2	2,5
R32	1¼	102	4	90510781	103-5102-42-24-67,49-20	17	16x12,7	1x12,7	35°	2	2	3,2
SR35	1⅜	89	3½	90513849	128-5089-42-24-67,49-20	15	14x12,7	1x12,7	35°	2	2	2,5
SR35	1⅜	102	4	90513851	128-5102-42-24-67,49-20	17	16x12,7	1x12,7	35°	2	2	3,1

Drifting, tunnelling and bolting

Reaming equipment

R25 (1"), R28 (1 1/8"), R32 (1 1/4"), SR32 (1 1/4")

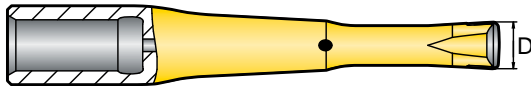
Drill bits, 6° taper angle



Reaming button bits for
R25 (1"), R28 (1 1/8"), R32 (1 1/4")
och SR32 (1 1/4") pilot adapters.

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 adapters, 6° taper angle (with insert)



For 64, 76 and 89 mm reaming button bits.
Flushing hole diameter 6,0 mm.

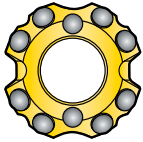
Thread		Diameter (D)		Pilot hole mm	Product No.	Product code	Weight approx. kg
mm	inch	mm	inch				
R25	1	26	1 1/32	36	90516256	502-2303,02-17	1,3
R28	1 1/8	26	1 1/32	36	90516259	507-2503,02-17	1,5
R32	1 1/4	26	1 1/32	36	90516257	503-2603,02-17	1,5
SR32	1 1/4	26	1 1/32	36	90516261	526-2603,02-17	1,4

Drifting, tunnelling and bolting

Reaming equipment

**R28 (1 $\frac{1}{8}$ "), R32 (1 $\frac{1}{4}$ "), SR32 (1 $\frac{1}{4}$ "),
SR35 (1 $\frac{3}{8}$ "), SR38 (1 $\frac{1}{2}$ "), TC42 (1 $\frac{21}{32}$ ")**

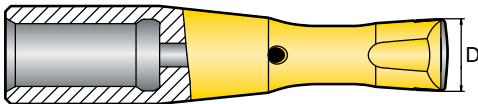
Drill bits, 12° taper angle



Reaming button bits for
R28 (1 $\frac{1}{8}$ "), R32/SR32 (1 $\frac{1}{4}$ "),
SR35 (1 $\frac{3}{8}$ "), SR38 (1 $\frac{1}{2}$ ") and
TC42 (1 $\frac{21}{32}$ ") pilot adapters.

Diameter		Product No.	Product code	No. of buttons	Buttons × button diameter (mm)		Gauge buttons angle°	Weight approx. kg
mm	inch				Gauge	Centre		
89	3 $\frac{1}{2}$	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

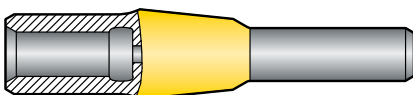
Pilot adapters, 12° taper angle (with insert)



For 89, 102 and 127 mm reaming button bits.
Flushing hole diameter 13,0 mm.

Thread		Diameter (D)		Pilot hole mm	Product No.	Product code	Weight approx. kg
mm	inch	mm	inch				
R28	1 $\frac{1}{8}$	36	1 $\frac{13}{32}$	38–48	90516254	507-7802,02-17	2,2
R32	1 $\frac{1}{4}$	40	1 $\frac{9}{16}$	41–48	90516258	503-7802,02-17	2,2
SR35	1 $\frac{3}{8}$	40	1 $\frac{9}{16}$	45–51	90516262	528-7802,02-17	2,3
TC42	1 $\frac{21}{32}$	40	1 $\frac{9}{16}$	57	90516640	571-7802,02-02	2,6

Pilot adapters, 12° taper angle



For 89, 102 and 127 mm reaming button bits.
Flushing hole diameter 10,0 mm.

Thread		Diameter		Pilot hole mm	Product No.	Product code	Weight approx. kg
mm	inch	mm	inch				
R32	1 $\frac{1}{4}$	–	–	41–48	90516265	503-7902,10	2,1
SR32	1 $\frac{1}{4}$	–	–	38	90516267	526-7902,10	2,1
SR38	1 $\frac{1}{2}$	41	1 $\frac{5}{8}$	51	90515856	527-7902,10	2,2

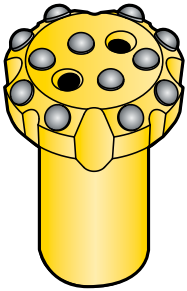


Bench and production drilling

Drill bit design	58
R25 (1")	60
Magnum SR28 (1¹/₈")	63
R28 (1¹/₈")	66
Magnum SR32 (1¹/₄")	68
R32 (1¹/₄")	70
TC35 (1³/₈")	74
R/T38 (1¹/₂")	76
T45 (1³/₄")	81
T51 (2")	86
T60 (2³/₈")	89
Soft rock bits	91
Tube drilling system (TDS)	92

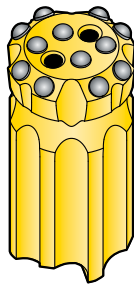
Bench and production drilling

Drill bit design



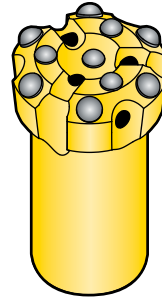
-5076

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.



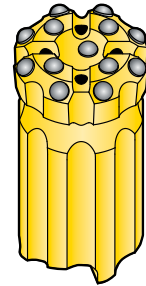
-5076-45

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



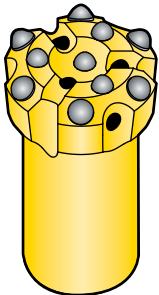
-6076

Drop center 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.



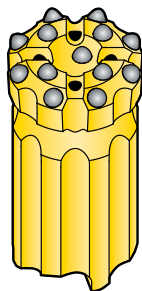
-6076-45

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



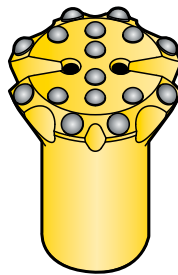
-6076-67

Drop center 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.



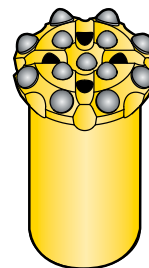
-6076-45-67

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



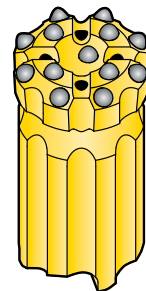
-5127-21

Model -21, a heavy duty bit with larger gauge buttons. Flat or drop center front. Retrac or standard skirt. Ballistic or spherical buttons.



-6089-21-67

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.



-6076-21-45-67

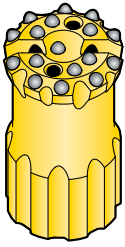
Model -20 is used for the same applications.

- [5] XXX Flat face button bit	- [6] XXX Drop center 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.

It is important to consider that the drilled hole could vary in size due to drilling conditions, drilling practices and ground formation.

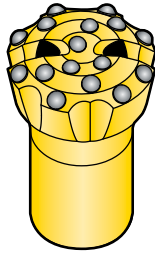
Bench and production drilling



-6089-35-67

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

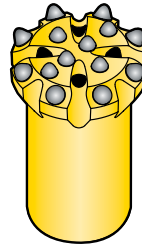
Model -35 guide bit should be used in rock formations that create hole deviations.



-6127-41

Model -41
Standard bit for the 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.

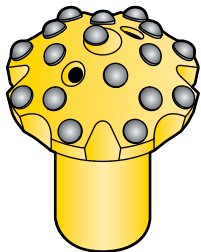


Soft rock bit -66

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.

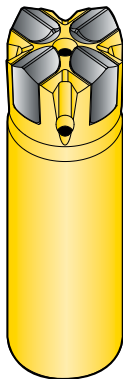
The penetration rate is very fast due to the high button protrusion. Excellent flushing concentrated to the front.



-5xxx-42-24

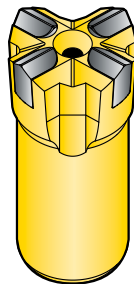
Dome reaming bit
Dome-shaped front.

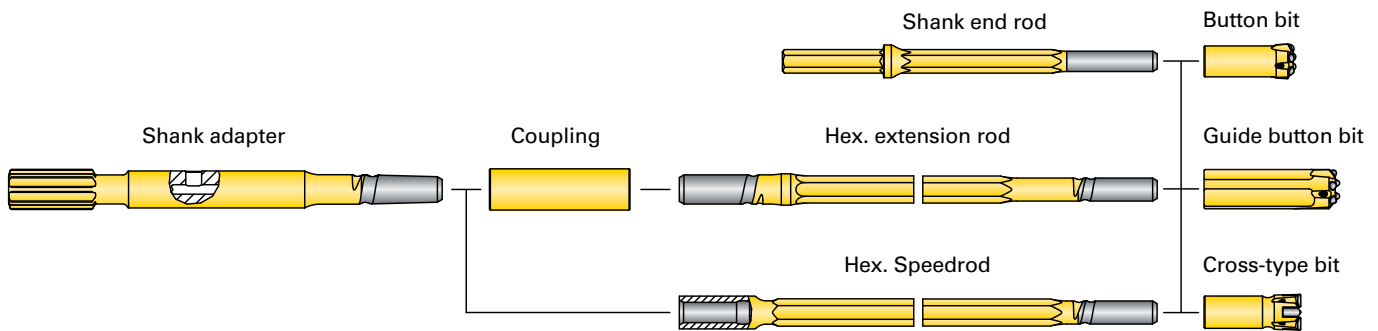
This is an alternative to traditional reaming equipment. Use in a pre-drilled pilot hole. Tried and tested with excellent results.



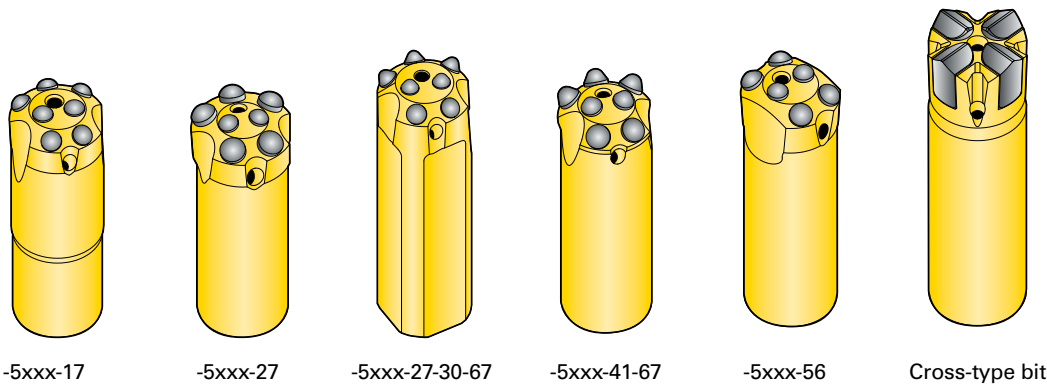
Insert bits
Cross- and X-type bits.

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.





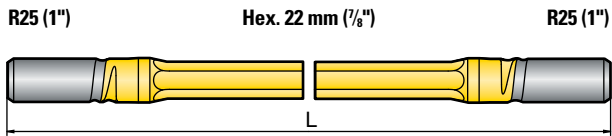
Drill bits




Please note text on page 58 about finished hole size.

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 ¹⁵ / ₃₂	90505295	102-5037-27,39-20	7	5×9	2×7	30°	1	1	0,4	
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	
48	1 ⁷ / ₈	90513912	102-5048-27,39-20	7	5×11	2×9	35°	2	1	1,0	
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	0,5	
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	0,8	
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	

Extension rods




Light equipment, fully carburized. Rod section 24,8 mm. 
Flushing hole diameter 6,7 mm.

Length (L)		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

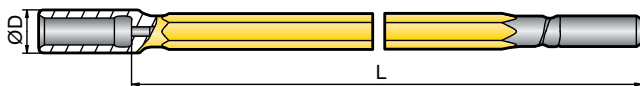



Fully carburized or surface hardened. Rod section 28,5 mm. 
Flushing hole diameter 8,6 mm.

Length (L)		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
2800	9'2 ¹ / ₄ "	90003687	202-0328-C,02		11,9
3050	10'	90000981	202-0331-C,02		11,9
3050	10'	90002576		202-0331-SH,03	11,9

Speedrods

R25 (1") hex. Speedrod



Fully carburized. D = 35 mm. Rod section 28,5 mm. 
Flushing hole diameter 8,6 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
1830	6	90515510	202-0318-MF-C,02		7,2
3050	10	90515578	202-0331-MF-C,02		12,0

Couplings



Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R25	1	33	1 ⁵ / ₁₆	150	5 ⁷ / ₈	90515728	302-0033,02	0,5
R25	1	34,5	1 ³ / ₈	150	5 ⁷ / ₈	90515729	302-0035,02	0,8

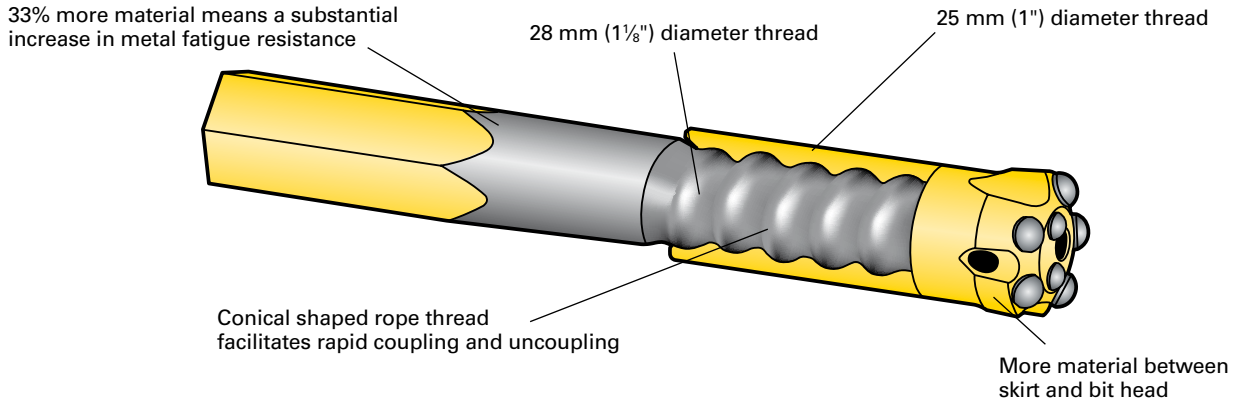
Shank end rods



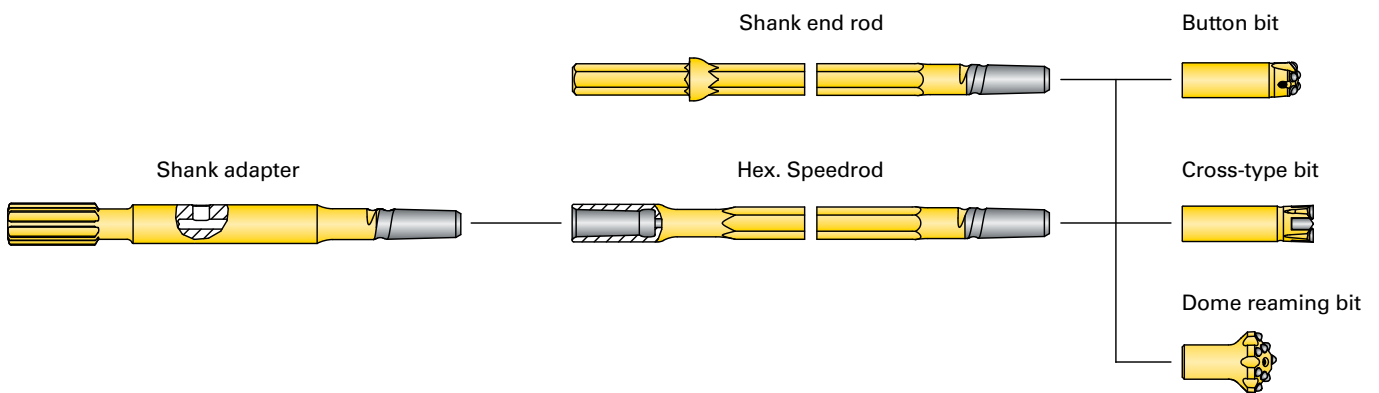
Fully carburized.

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. Flushing hole diameter 6,7 mm.						
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	7,9
3200	10'6"	90500012	502-0132-06-C,02	90002182	9232	10,4
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
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	-	-	6,2
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 "	90516359	502-0140-C,02	-	-	12,2
Shank hex. 25 mm (1") × 108 mm (4 1/4"). 25 mm (1") thread. Flushing hole diameter 8,6 mm.						
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. Flushing hole diameter 8,6 mm.						
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

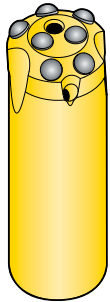
Magnum SR28 thread system



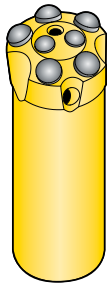
Magnum SR28 drill string



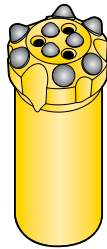
Drill bits



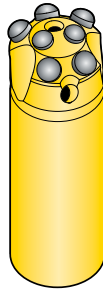
-5033-17



-5xxx-27



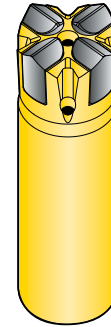
-5xxx-37-67



-5xxx-41



Dome reaming bit



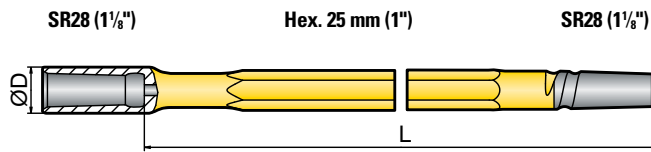
Cross-type bit


Please note text on page 58 about finished hole size.

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	0,4
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	0,4
38	1 1/2	90514282	125-5038-27,39-20	7	5×9	2×7	30°	–	1	1	0,5
41	1 5/8	90515379	125-5041-27,39-20	7	5×9	2×8	40°	–	1	1	0,7
45	1 1/4	90514507	125-5045-27,39-20	7	5×11	2×8	30°	–	2	1	0,9
76	3	90515258	125-5076-42-24,49-20*	10	9×12,7	1×12,7	35°	–	1	3	2,0
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
35	1 3/8	90003589	125-5035-41-67,39-20	7	5×9	2×7	25°	10°	–	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 1/4	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	
35	1 3/8	90516590	125-7035-44,20-17	10,3		19,5		2	1	0,5	
37	1 15/32	90003526	125-7037-44,20-17	10,3		19,5		2	1	0,5	

* For reaming, reversed flushing.

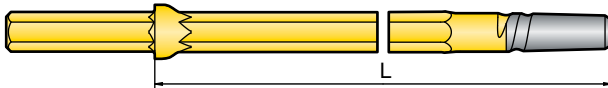
Speedrods



Fully carburized. D = 34 mm. Rod section 28,5 mm. 
Flushing hole diameter 8,6 mm.

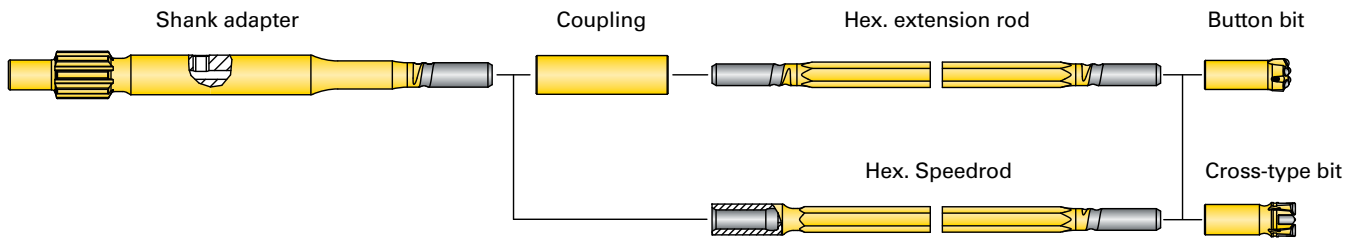
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3050	10	90516350	225-0331-69-MF-C,02	12,1

Shank end rods

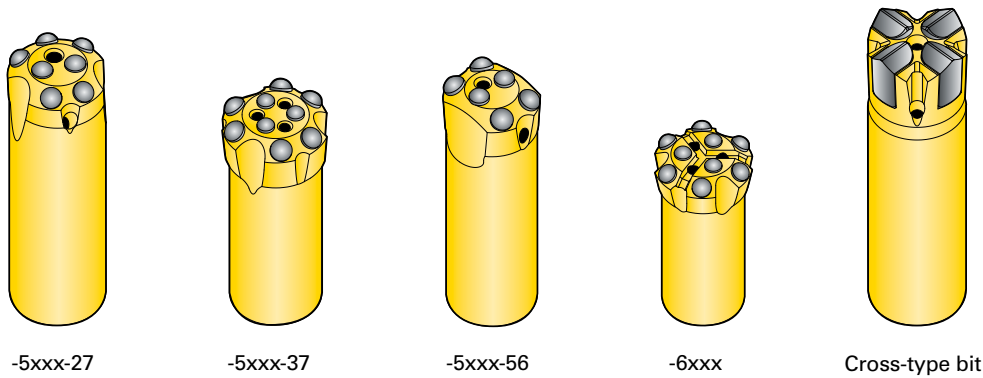


Fully carburized.
Flushing hole diameter 8,6 mm.

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 bits



Please note text on page 58 about finished hole size.

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	0,7
45	1 3/4	90509467	107-5045-37,39-20	9	6×9	3×8	35°	1	3	0,8
51	2	90510397	107-6051,49-20	9	6×10	3×9	30°	-	3	1,0
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	

Extension rods

R28 (1 1/8") hex. rod

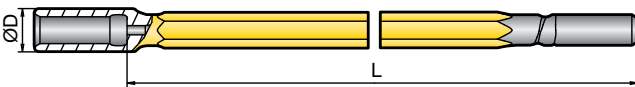


Fully carburized. Rod section 32 mm. Flusing hole diameter 8,8 mm.

Length (L)		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

Speedrods

R28 (1 1/8") hex. Speedrod



Fully carburized. D = 39 mm. Rod section 32 mm. Flusing hole diameter 8,8 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



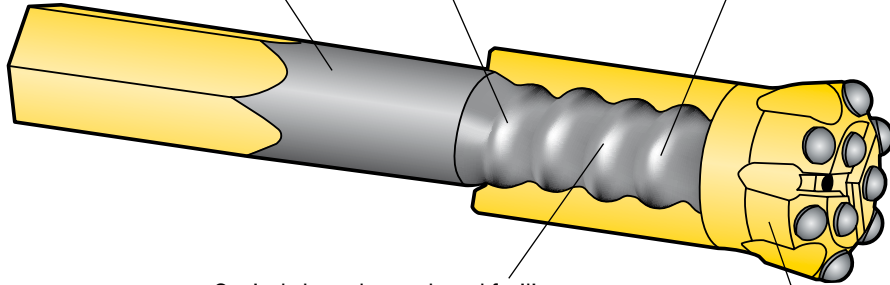
Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R28	1 1/8	44	1 1/16	150	5 7/8	90515735	307-0040,10	0,9

Magnum SR32 thread system

30% more material means a substantial increase in metal fatigue resistance

32 mm (1 1/4") diameter thread

28 mm (1 1/8") diameter thread



Conical shaped rope thread facilitates rapid coupling and uncoupling

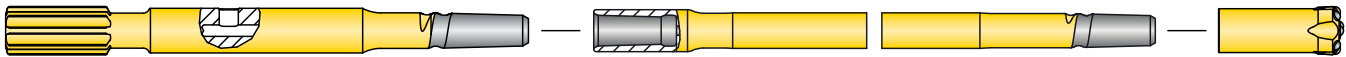
More material between skirt and bit head

Magnum SR32 drill string

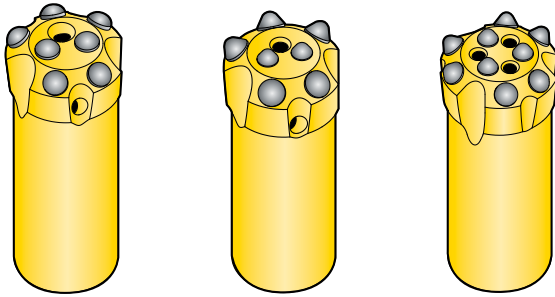
Shank adapter

Round Speedrod

Button bit



Drill bits



-5xxx-27

-5xxx-27-67

-5xxx-37-67

Please note text on page 58 about finished hole size.

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	1⅝	90514755	126-5041-27,39-20	7	5×9	2×8	35°	1	1	0,6
43	1⅞	90514754	126-5043-27,39-20	7	5×9	2×9	35°	2	1	0,7
45	1¾	90514795	126-5045-27,39-20	7	5×11	2×8	30°	2	1	0,6
BUTTON BIT - Ballistic buttons										
38	1½	90514501	126-5038-27-67,39-20	7	5×9	2×7	40°	1	1	0,5
41	1⅝	90516483	126-5041-37-67,39-20	9	6×9	3×7	40°	–	3	0,5
43	1⅞	90516484	126-5043-37-67,39-20	9	6×9	3×7	40°	–	3	0,6
45	1¾	90514953	126-5045-37-67,39-20	9	6×9	3×8	40°	1	3	0,7
48	1⅞	90515721	126-5048-37-67,39-20	9	6×10	3×9	40°	1	3	0,9

Speedrods

SR32 (1¼")

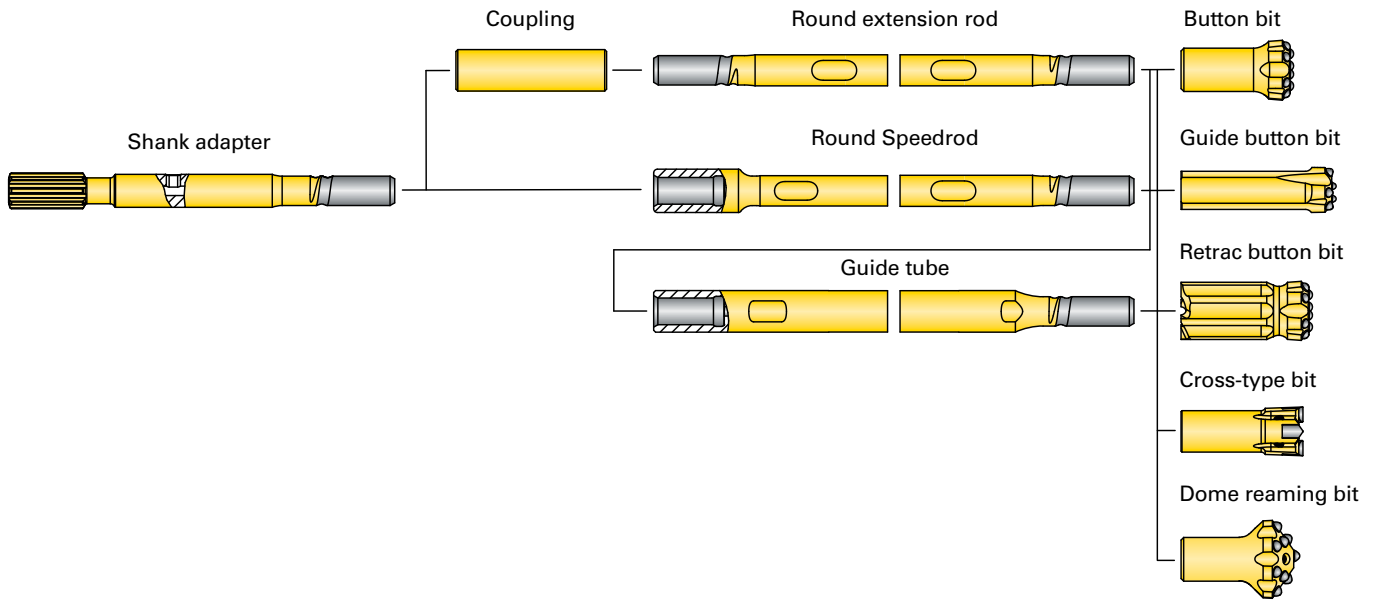
Round 32 mm (1¼")

SR32 (1¼")



Fully carburized. D = 38 mm.
Flushing hole diameter 11,7 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
1830	6'	90003686	226-4518-69-MF-C,02	11,7
3090	10'1⅝"	90516482	226-4531-69-MF-C,02	18,5



Drill bits



Please note text on page 58 about finished hole size.

Drill bits

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	0,8
48	1⅞	90509461	103-5048-37,39-20	9	6×10	3×8	40°	1	3	0,9
51	2	90510450	103-5051,39-20	7	5×11	2×11	35°	1	1	0,8
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	0,9
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	1,1
54	2⅛	90509480	103-5054-37,39-20	9	6×11	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	6×11	3×9	35°	–	3	1,5
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	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	3,4
BUTTON BIT - Ballistic buttons										
48	1⅞	90509464	103-5048-37-67,39-20	9	6×10	3×8	40°	1	3	0,8
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	0,9
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	2⅛	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	1,0
64	2½	90510327	103-5064-67,49-20	12	8×10	4×10	40°	–	2	1,4
64	2½	90510414	103-6064-45-67,49-20	10	6×11	3×10, 1×10	35°	–	3	2,2
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
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)				
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	2	1	1,4	

* For reaming, reversed flushing.

Extension rods

R32 (1¼") round rod

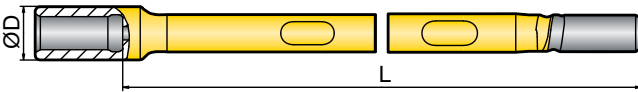


Fully carburized or surface hardened.
Flushing hole diameter 11,7 mm.

Length (L)		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		5,2
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
2000	6'6¾"	90515394	203-2520-C,02		11,6
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'	90000141		203-2531-SH,03	17,1
3050	10'	90515401		203-4531-SH,03	19,9
3660	12'	90509565	203-2537-C,02		20,0
3660	12'	90000142		203-2537-SH,03	20,5
3660	12'	90515402		203-4537-SH,03	20,8
4000	13'1½"	90002394	203-2540-C,02		21,7
4310	14'1⅝"	90000993	203-2543-C,02		23,4

Speedrods

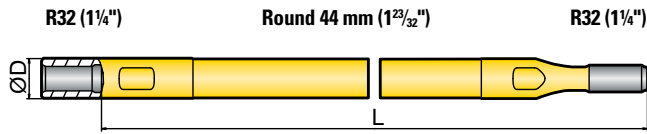
R32 (1¼") round Speedrod



Fully carburized. D = 46 mm.
Flushing hole diameter 11,7 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 (male part) and fully carburized (female part)					
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

Guide tubes



Fully carburized.
Flushing hole diameter 27,0 mm.

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	23,4

Couplings



Full bridge -57.

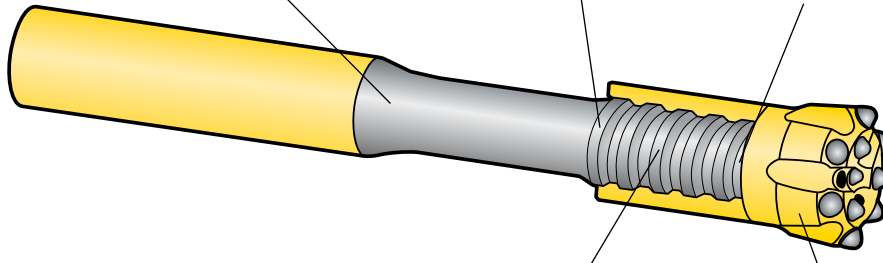
Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
R32	1¼	42	1²¹/₃₂	150	5⅞	90515730	303-0042,10	0,9
R32	1¼	44	1²³/₃₂	150	5⅞	90515731	303-0044,10	0,9
R32	1¼	44	1²³/₃₂	160	6⁵/₁₆	90515732	303-0044-57,10	1,0

TC35 thread system

30% more material means a substantial increase in metal fatigue resistance

35 mm (1³/₈" diameter thread

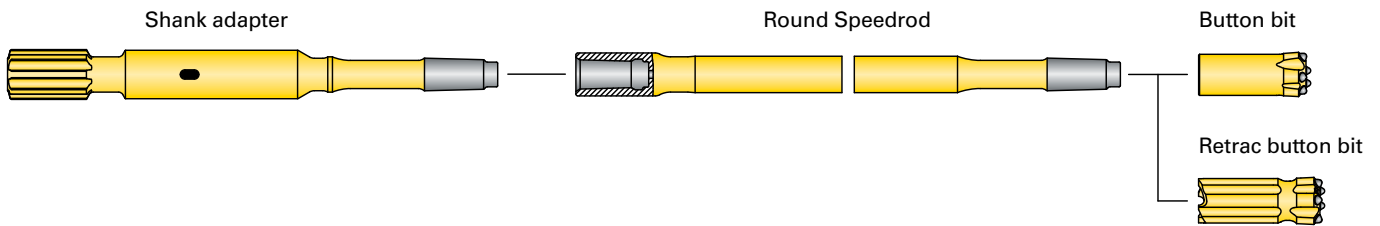
32 mm (1¹/₄" diameter thread



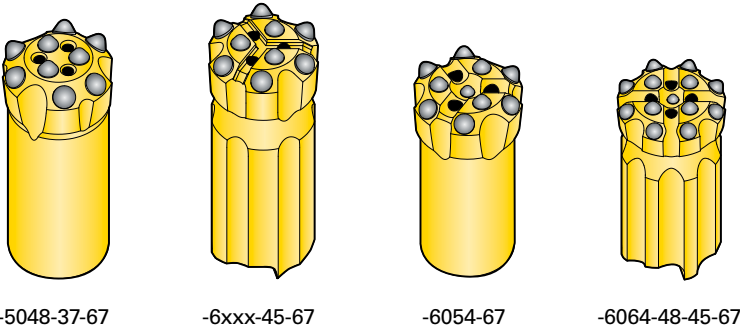
Conical shaped T-thread facilitates rapid coupling and uncoupling

More material between skirt and bit head

TC35 drill string



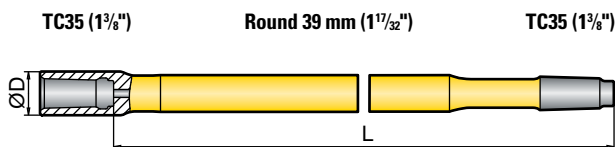
Drill bits



Please note text on page 58 about finished hole size.

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 - Ballistic buttons										
48	1 ⁷ / ₈	90516336	169-5048-37-67,39-20	9	6×10	3×9	40°	1	3	1,0
51	2	90516337	169-6051-45-67,49-20	9	6×10	3×9	35°	–	3	1,2
54	2 ¹ / ₈	90516564	169-6054-67,39-20	9	6×10	3×9, 1×7	40°	–	3	1,0
54	2 ¹ / ₈	90516423	169-6054-45-67,49-20	9	6×11	3×9	40°	–	3	1,3
57	2 ¹ / ₄	90516536	169-6057-45-67,39-20	9	6×11	3×9	40°	–	3	1,5
64	2 ¹ / ₂	90516424	169-6064-48-45-67,49-20	13	8×10	4×10, 1×7	35°	–	4	2,0

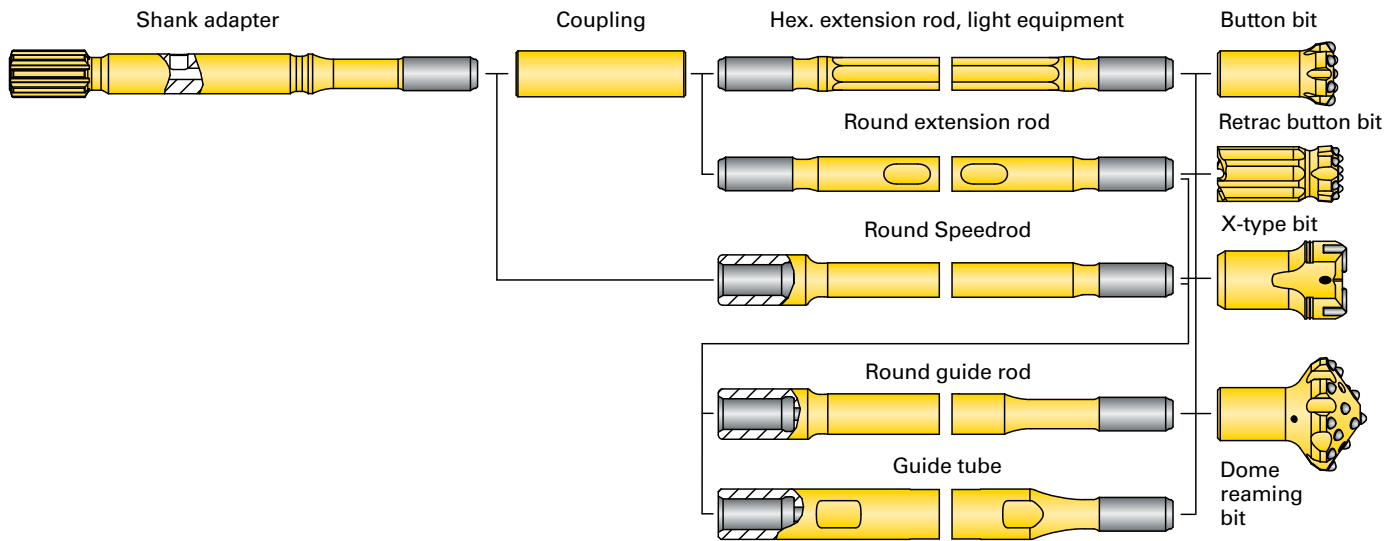
Speedrods



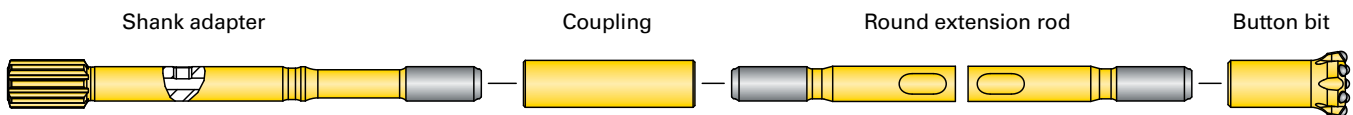
Fully carburized. D = 46 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
1220	4	90003595	269-4712-MF-C,02	9,8
1525	5	90003647	269-4715-MF-C,02	12,3
1830	6	90003576	269-4718-MF-C,02	14,9
2435	8	90003646	269-4724-MF-C,02	19,7
3050	10	90003577	269-4731-MF-C,02	24,7
3660	12	90003578	269-4737-MF-C,02	29,6
4270	14	90003579	269-4743-MF-C,02	34,6

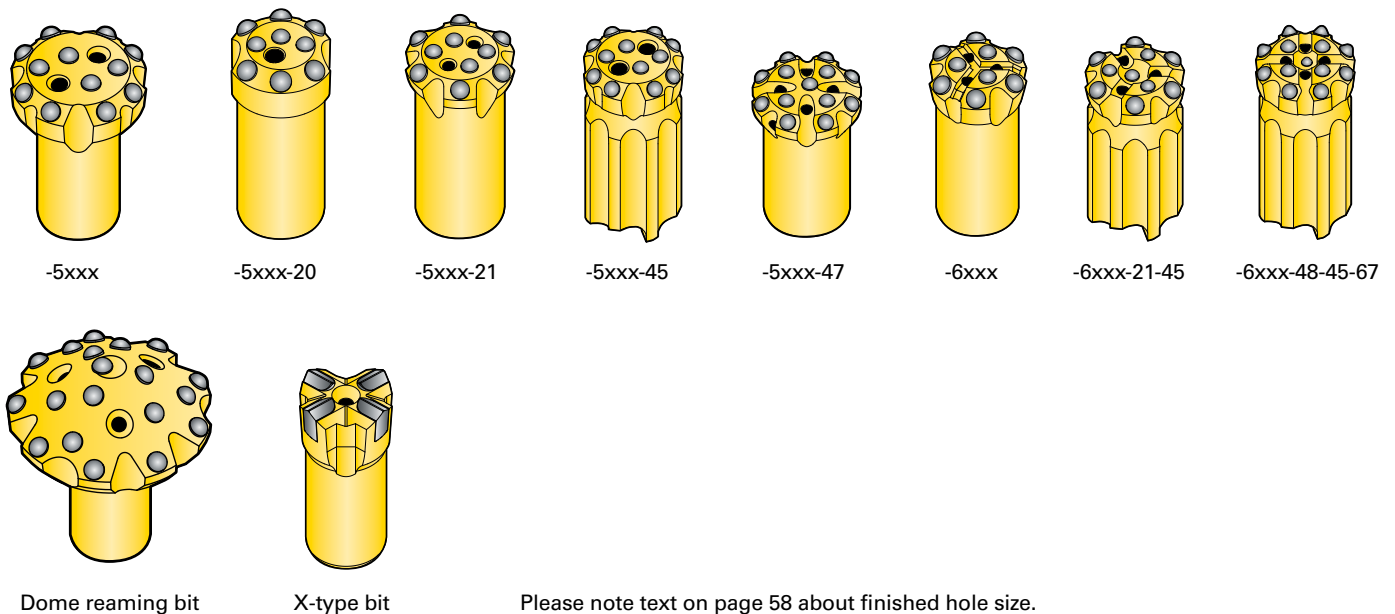
T38 drill string



R38 drill string



Drill bits



Please note text on page 58 about finished hole size.

Drill bits

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	1,5
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
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	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	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	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	1,8
64	2½	90514631		135-6064-48-45-67,49-20	13	8×10	4×10, 1×7	35°	–	4	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

* For reaming, reversed flushing.

Cont. next page

Drill bits


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											
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
89	3½	90510654		135-6089-45-67,49-20	14	8×11	4×11, 2×9	35°	1	4	5,0
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						Insert					
						Width (mm)	Height (mm)				
64	2½	90002256		135-8064,08-16		14,0	25,0		4	1	1,9

* For reaming, reversed flushing.

Extension rods

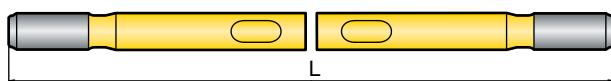
T38 (1½") Hex. 32 mm (1¼") T38 (1½")



Light equipment, fully carburized. Rod section 35,8 mm. 
Flushing hole diameter 9,6 mm.

Length (L)		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

R/T38 (1½") round rod

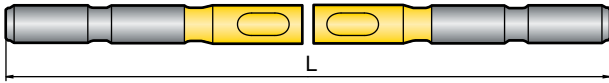


Fully carburized or surface hardened.
Flushing hole diameter 14,5 mm.

Length (L)		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
1220	4'	90500622		235-2712-C,02	10,0
Surface hardened					
1830	6'	90590109	204-2718-SH,03		14,8
3050	10'	90515405	204-4731-SH,03		24,0
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

Extension rods

T38 (1½") round rod with double thread



Surface hardened.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		R38 thread	T38 thread	
3050	10	90515292		235-4731-95-SH,03	27,0

Speedrods

T38 (1½") round Speedrod



Fully carburized. D = 57 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot/inch		R38 thread	T38 thread	
600	1'11½"	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

T38 (1½") round Speedrod



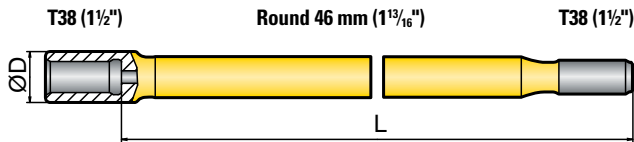
Fully carburized and surface hardened. D = 57 mm.
Flushing hole diameter 14,5 mm.

Length (L)		Product No.	Product code		Weight approx. kg
mm	foot		R38 thread	T38 thread	
Both surface hardened (male part) and fully carburized (female part)					
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

Drifter rods

For one rod drilling drifter rods can be used. See page 38.

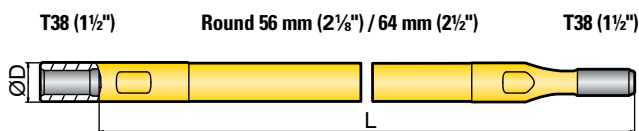
Guide rod



Fully carburized and surface hardened. D = 57 mm.
Flushing hole diameter 17,0 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
Both surface hardened (male part) and fully carburized (female part)				
3660	12	90515575	235-4937-MF,29	44,8

Guide tubes



Fully carburized.

Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Flushing hole Ø		Weight approx. kg
mm	inch	mm	inch	mm	foot			mm	inch	
64	2½	56	2⅜	1220	4	94502648	235-7012,10	43,0	1⅞	12,6
64	2½	56	2⅝	1525	5	94000051	235-7015,10	43,0	1⅞	14,0
64	2½	56	2⅝	1830	6	94000052	235-7018,10	43,0	1⅞	17,4
64	2½	56	2⅝	3050	10	94000053	235-7031,10	43,0	1⅞	28,3
64	2½	56	2⅝	3660	12	94000054	235-7037,10	43,0	1⅞	32,8
76	3	64	2½	3660	12	94502622	235-6937,10	46,0	1⅞	51,0

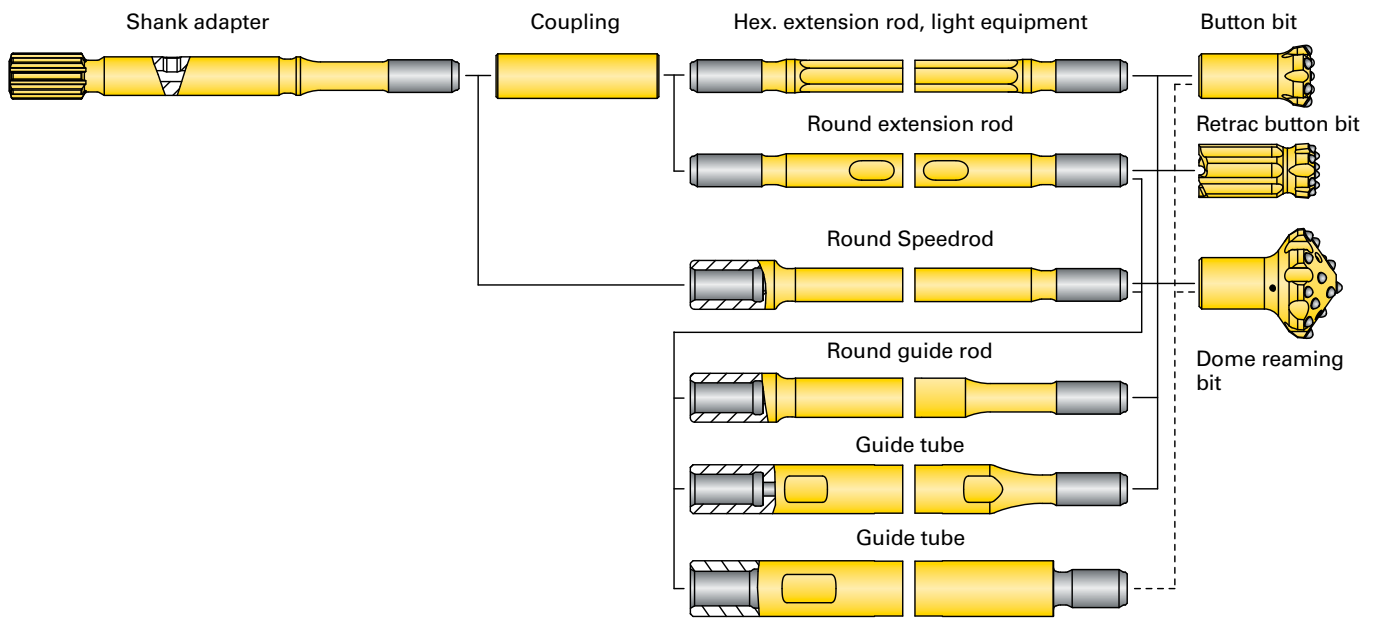
Couplings



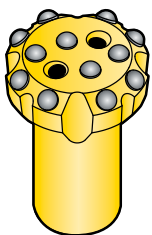
Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code		Weight approx. kg
mm	inch	mm	inch	mm	inch		R38 thread	T38 thread	
T38	1½	52	2⅞	190	7½	90515736		335-0052,10*	1,7
R38	1½	55	2⅞	170	6¾	90515733	304-0055,10		1,7
T38	1½	55	2⅞	190	7½	90515737		335-0055,10	1,9
R38	1½	55	2⅞	180	7⅞	90515734	304-0055-57,10		2,0
T38	1½	55	2⅞	180	7⅞	90515738		335-0055-57,10	2,0

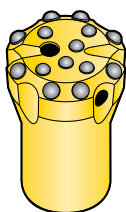
* Recommended for high frequency drifters.



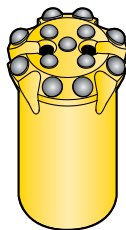
Drill bits



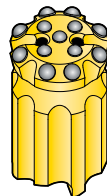
-5xxx



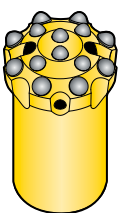
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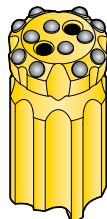
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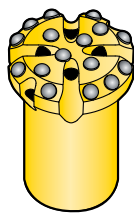
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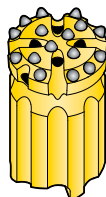
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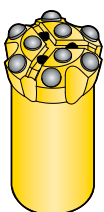
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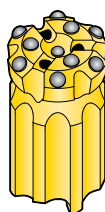
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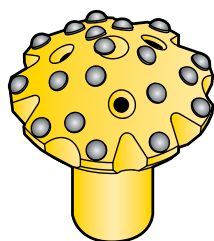
-5xxx-47-45-66



-6xxx



-6xxx-45



Dome reaming bit

Please note text on page 58 about finished hole size.

Drill bits

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	2,4
76	3	90510333	136-6076,49-20	10	6×12,7	3×11, 1×11	35°	1	3	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
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	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	7,0
102	4	90513811	136-6102-21,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	3,4
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	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

* For reaming, reversed flushing.

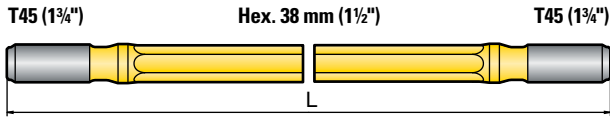
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Drill bits

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 - 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	3	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	3,2
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	90510772	136-6089-21-45-67,49-20	13	8×12,7	4×11, 1×11	35°	–	4	4,2
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	5,0
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
BUTTON BIT - Full-ballistic buttons (soft rock bit)										
89	3 ¹ / ₂	90514993	136-5089-47-45-66,49-20	16	10×11	6×11	35°	1	4	4,9

* For reaming, reversed flushing.

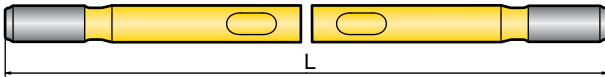
Extension rods



Light equipment, fully carburized. Rod section 42,6 mm. 
Flushing hole diameter 16,0 mm.

Length (L)		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.
Flushing hole diameter 17,0 mm.

Length (L)		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

Speedrods

T45 (1³/₄" round Speedrod



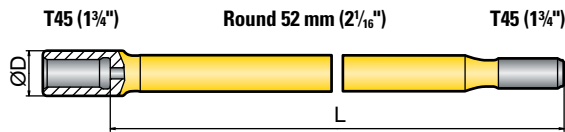
Fully carburized. D = 65 mm.
Flushing hole diameter 17,0 mm.

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
3660	12	90510733	236-4937-MF-C,02		44,5
Both surface hardened (male part) and fully carburized (female part)					
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

T45 (1³/₄"

Bench and production drilling

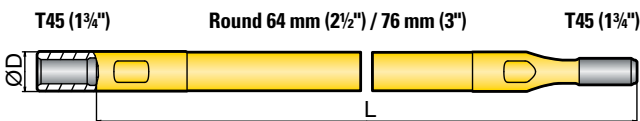
Guide rods



Fully carburized. D = 65 mm.
Flushing hole diameter 21,5 mm.

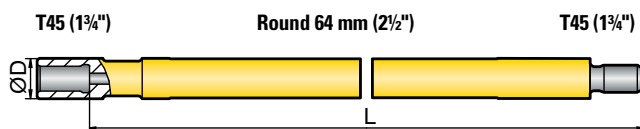
Length (L)		Product No.	Product code	Weight approx. kg
mm	foot			
3660	12	90513771	236-5137-MF-C,02	55,0
4270	14	90514785	236-5143-MF-C,02	63,5

Guide tubes



Fully carburized.

Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Flushing hole Ø		Weight approx. kg
mm	inch	mm	inch	mm	foot			mm	inch	
76	3	64	2 ¹ / ₂	1220	4	94502687	236-6912,10	46,0	1 ¹³ / ₁₆	20,0
76	3	64	2 ¹ / ₂	1525	5	94000047	236-6915,10	46,0	1 ¹³ / ₁₆	21,6
76	3	64	2 ¹ / ₂	1830	6	94000046	236-6918,10	46,0	1 ¹³ / ₁₆	25,4
76	3	64	2 ¹ / ₂	3660	12	94000050	236-6937,10	46,0	1 ¹³ / ₁₆	49,0
89	3 ¹ / ₂	76	3	1830	6	94502656	236-6618,10	50,0	1 ³ / ₃₂	40,0
89	3 ¹ / ₂	76	3	3660	12	94502627	236-6637,10	50,0	1 ³ / ₃₂	77,8



Fully carburized. Without undercut (shoulder).
Flushing hole diameter 46,0 mm.

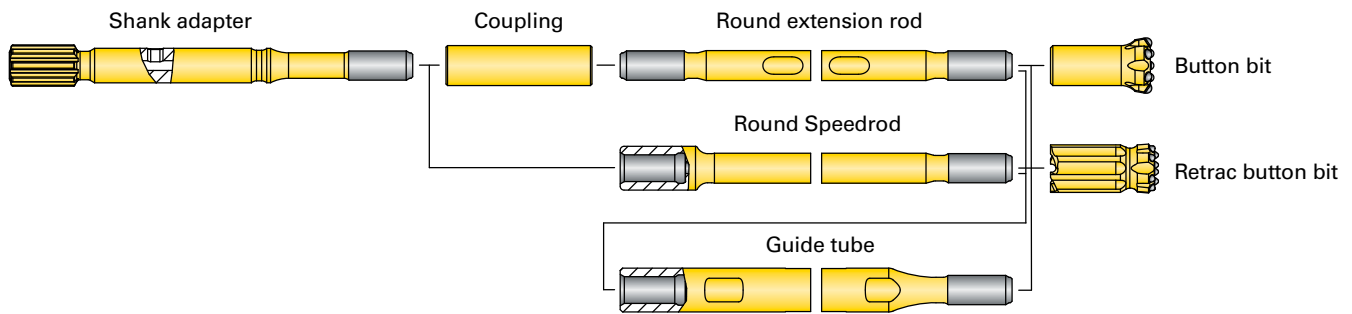
Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	foot			
76	3	64	2 ¹ / ₂	1830	6	94502714	236-6918-87,10	26,0

Couplings

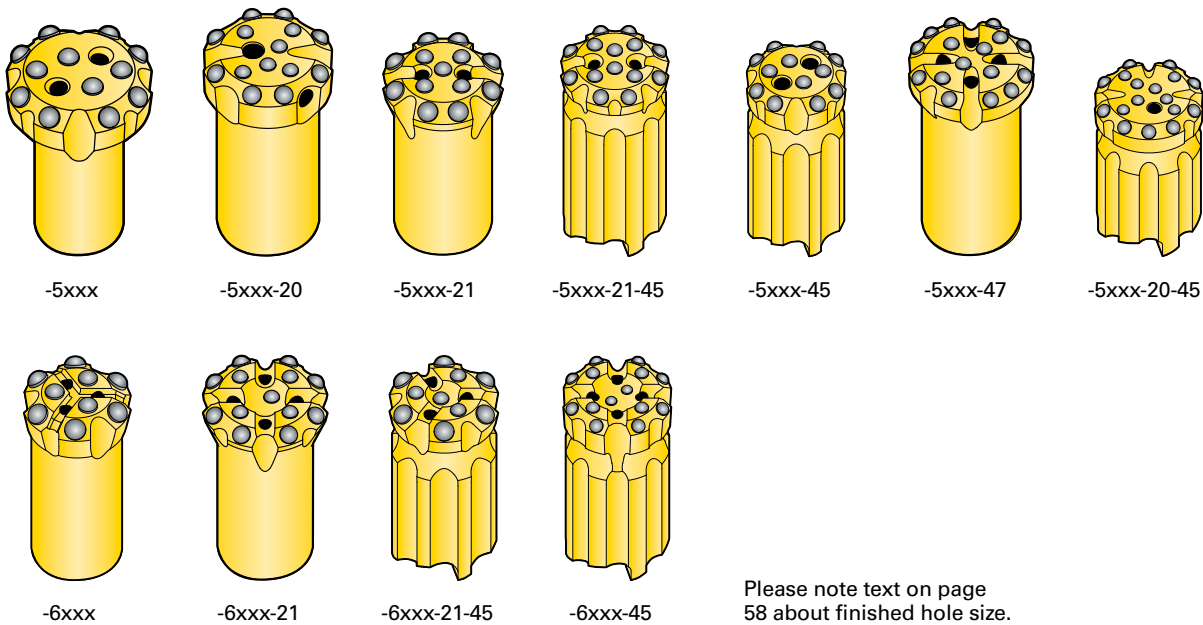


Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T45	1 ³ / ₄	63	2 ¹⁵ / ₃₂	210	8 ¹ / ₄	90515739	336-0063,10	2,7
T45	1 ³ / ₄	63	2 ¹⁵ / ₃₂	210	8 ¹ / ₄	90515740	336-0063-57,10	3,3
T45	1 ³ / ₄	66	2 ⁵ / ₈	210	8 ¹ / ₄	90515741	336-0066,10	3,1
T45	1 ³ / ₄	66	2 ⁵ / ₈	210	8 ¹ / ₄	90515742	336-0066-57,10	3,5



Drill bits



Please note text on page 58 about finished hole size.

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	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

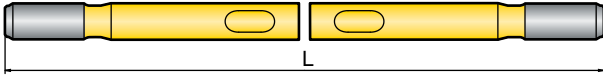
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Drill bits

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	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	9,8
115	4½	90510818	137-5115-21,49-20	14	8×15,8	6×14,5	35°	1	2	6,1
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	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
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

Extension rods

T51 (2") round rod



Surface hardened. Flushing hole diameter 21,5 mm.

Length (L)		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

Speedrods

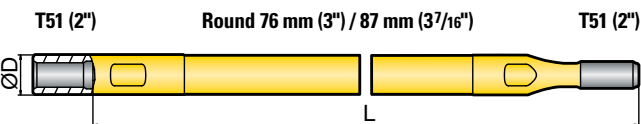
T51 (2") round Speedrod



Fully carburized. D = 72 mm. Flushing hole diameter 21,5 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
3660	12	90510739	237-5137-MF-C,02		51,8
Both surface hardened (male part) and fully carburized (female part)					
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 tubes



Fully carburized.

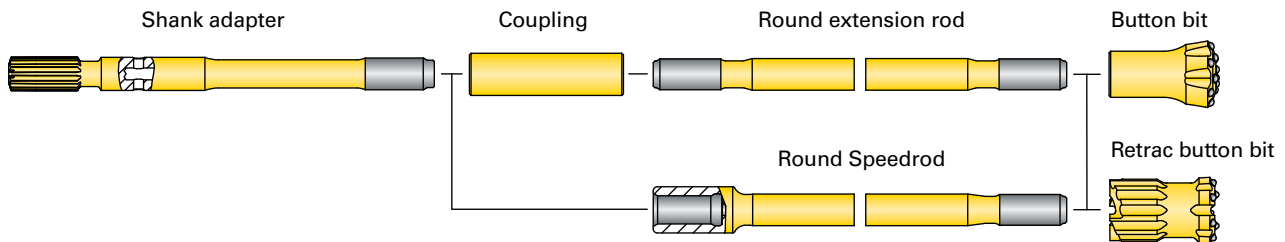
Hole diameter		Tube diameter		Length (L)		Product No.	Product code	Flushing hole Ø		Weight approx. kg
mm	inch	mm	inch	mm	foot			mm	inch	
89	3½	76	3	1220	4	90514257	237-6612,10	50,0	1¾/32	28,8
89	3½	76	3	1830	6	94502624	237-6618,10	50,0	1¾/32	40,0
89	3½	76	3	3660	12	94502641	237-6637,10	66,0	2⅝	79,1
102	4	87	3⅞/16	3660	12	94502707	237-6837,10	50,0	1¾/32	80,0

Couplings

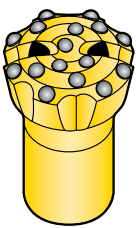


Full bridge -57.

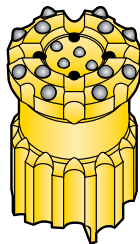
Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T51	2	72	2¾/32	235	9¼	90515743	337-0072,10	4,1
T51	2	72	2¾/32	255	10	90515744	337-0072-57,10	4,7
T51	2	77	3⅓/32	235	9¼	90515745	337-0077,10	5,2



Drill bits



-6xxx-41



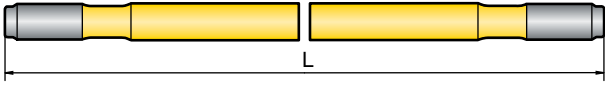
-6xxx-44-67

Please note text on page 58 about finished hole size.

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	8,0
102	4	90516351	157-6102-44,49-20	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	157-6115-44,49-20	16	8×14,5	4×14,5, 4×11,0	35°	1	4	9,8
127	5	90515431	157-6127-41,49-20	16	8×15,8	4×15,8, 4×14,5	35°	–	2	8,6
127	5	90516353	157-6127-44,49-20	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	10,0
140	5½	90516354	157-6140-44,49-20	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	157-6152-44,49-20	16	8×16,0	4×16,0, 4×14,5	35°	–	4	17,5
BUTTON BIT - Ballistic buttons										
102	4	90515478	157-6102-44-67,49-20	13	8×14,5	4×12,7, 1×12,7	35°	–	4	7,4
115	4½	90515477	157-6115-44-67,49-20	16	8×14,5	4×12,7, 4×11	35°	1	4	10,0
127	5	90515449	157-6127-44-67,49-20	16	8×14,5	4×14,5, 4×11	35°	1	4	11,7

Extension rods

T60 (2³/₈" round rod

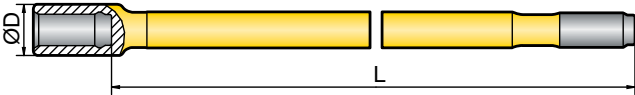


Fully carburized.
Flushing hole diameter 22,6 mm.

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

Speedrods

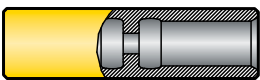
T60 (2³/₈" round Speedrod



Fully carburized. D = 85 mm.
Flushing hole diameter 22,6 mm.

Length (L)		Product No.	Product code	Weight approx. kg
mm	foot/inch			
3630	11'10 ⁷ / ₈ "	90515453	257-6037-MF-C,02	73,4
4240	13'10 ⁷ / ₈ "	90515454	257-6043-MF-C,02	85,0
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

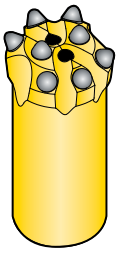
Coupling



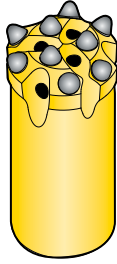
Full bridge -57.

Thread diameter		Diameter		Length		Product No.	Product code	Weight approx. kg
mm	inch	mm	inch	mm	inch			
T60	2 ³ / ₈	85	3 ¹¹ / ₃₂	315	1'3 ³ / ₈ "	90516269	357-0085-57,10	7,5

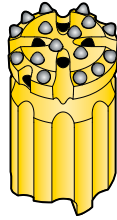
Drill bits



103-5048-34-66



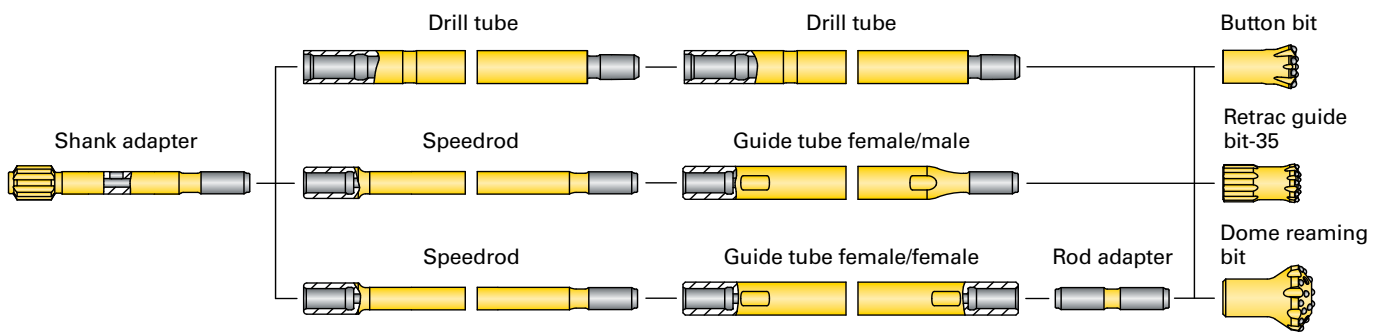
103-5048-37-66



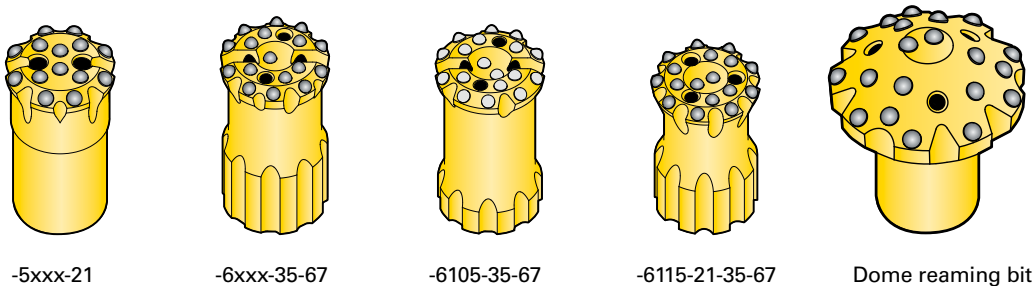
136-5089-47-45-66

Please note text on page 58 about 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	
BUTTON BIT - Full-ballistic buttons (soft rock bit)												
R32	1¼	48	1⅞	90514714	103-5048-34-66,39-20	8	6×9	2×9	40°	–	2	0,8
R32	1¼	48	1⅞	90514135	103-5048-37-66,39-20	9	6×9	3×9	40°	1	3	0,8
R32	1¼	51	2	90514715	103-5051-34-66,39-20	8	6×10	2×10	40°	–	2	0,9
R32	1¼	51	2	90514136	103-5051-37-66,39-20	9	6×10	3×9	40°	1	3	0,8
R32	1¼	57	2¼	90514440	103-5057-37-66,39-20	9	6×10	3×10	40°	1	3	1,1
T45	1¾	89	3½	90514993	136-5089-47-45-66,49-20	16	10×11	6×11	35°	1	4	4,9
T51	2	102	4	90514538	137-5102-47-66,49-20	14	8×14,5	6×12,7	35°	1	4	5,0
T51	2	127	5	90514361	137-5127-47-66,49-20	14	8×15,8	6×15,8	35°	–	4	8,0



Drill bits



Please note text on page 58 about finished hole size.

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 70							
TDS 56	T38				See page 76							
TDS 64	T45				See page 81							
TDS 76	T51				See page 86							
TDS 87	T51				See page 86							
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	3,5
		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
		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	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	5,1
		115	4½	90514389	152-6115-21-35-67,49-20	17	9×14,5	6×14,5, 2×14,5	35°	-	3	7,2

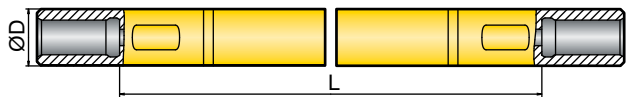
* For reaming, reversed flushing.

Guide tubes, R32–T51 thread

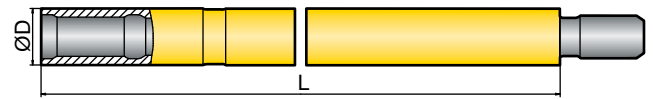
Rope/T thread, male/female



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



Drill tubes, ST58 or ST68 thread



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

TDS 76 with ST58 thread: Slimmed section in female end only.

TDS 87 with ST68 thread: Slimmed section 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
		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	94502641	237-6637,10	76	22	79,1
		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

* C-Drive.

** Female/female.

Rod adapters



Fully carburized.

To be used together with female/female guide tube.

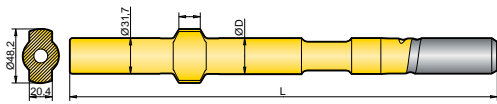
Length		Thread	Product No.	Product code	Weight approx. kg
mm	inch				
220	8 $\frac{5}{8}$	T45	90515671	236-4902-C,10	1,9
250	9 $\frac{7}{8}$	T51	90514708	237-5102-C,10	2,7



Shank adapters

Atlas Copco	96
Boart, Böhler, Cannon	108
Furukawa	109
Gardner Denver.....	110
Ingersoll Rand	112
Joy	114
Krupp, Montabert	115
Secoma, SIG.....	117
Sandvik/Tamrock.....	118

Atlas Copco BBC 42, BBC 44, BBC 100

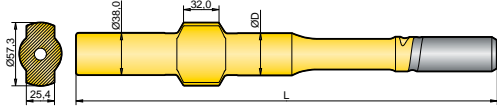


Drifting

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	2,1	9-11

Shank seal 90002571

Atlas Copco BBC 54, BBC 120

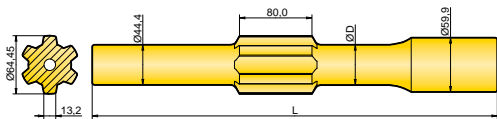


Drifting

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	2,6	9-11
R38 (1½")	90516168	404-01131,10	390	38	3,1	9-11
T38 (1½")	90516180	435-01131,10	390	38	3,1	9-11

Shank seal 90002571

Atlas Copco BBE 57

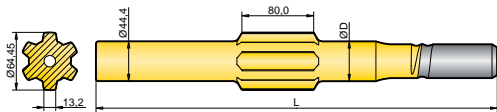


Bench drilling

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	5,9	14,3

Shank seal 90000466

Atlas Copco BBE 57

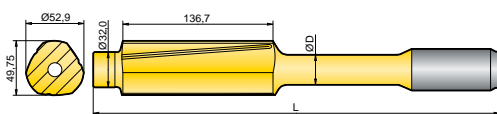


Bench drilling

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	5,0	14,3
T38 (1½")	90516287	435-12152,10	540	45	5,3	14,3
T45 (1¾")	90516303	436-12154,10	550	45	5,9	14,3

Shank seal 90000466

Atlas Copco COP 115, COP 925/928 without collar

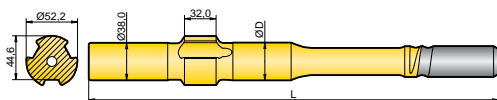


Bench drilling

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	3,0	9-11

Shank seal 90002571

Atlas Copco COP 125, COP 130, COP 131

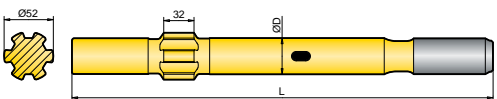


Drifting, bench drilling , production drilling

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

Shank seal 90000466

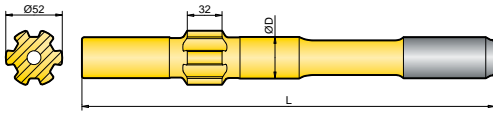
Atlas Copco COP 131



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515993	435-12801,10	445	38,3	3,8	-

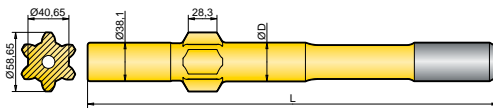
Atlas Copco COP 131E



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515992	435-12802,10	380	38,3	2,8	-

Atlas Copco COP 131EB

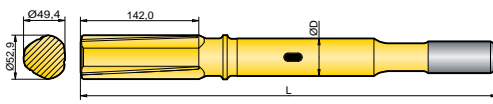


Drifting, production drilling

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	3,2	14,3

Shank seal 90000466

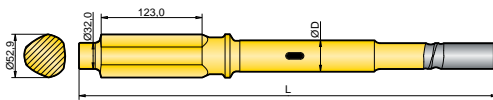
Atlas Copco COP 738, Atlas Copco COP A15



Bench drilling

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	5,7	-

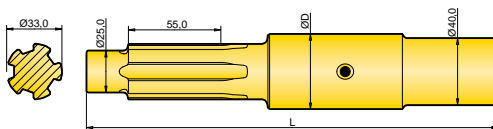
Atlas Copco COP 925/928, COP 932/938 with collar



Drifting, bench drilling, production drilling

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	4,7	-
R38 (1½")	90516097	404-07603,10	510	38	5,0	-
T38 (1½")	90516119	435-07603,10	510	38	5,0	-

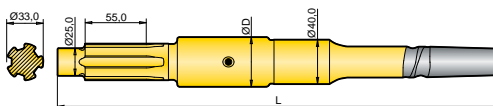
Atlas Copco COP 1028



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	1,7	-
R28 (1⅛")	90515865	407-07201-F,10	245	45	1,7	-

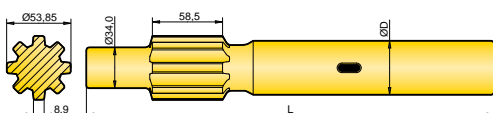
Atlas Copco COP 1028



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	2,6	-
SR28 (1⅛")	90515870	425-07202,10	400	45	2,7	-
R32 (1¼")	90515860	403-07202,10	400	45	2,8	-
SR32 (1¼")	90516485	426-07202,10	400	45	2,8	-

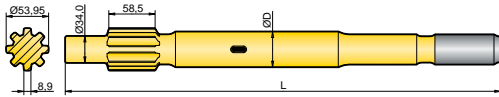
Atlas Copco COP 1032



Bolting, drifting

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

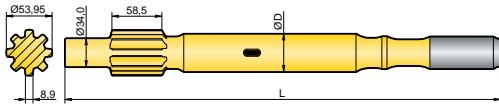
Atlas Copco COP 1032



Bench drilling

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

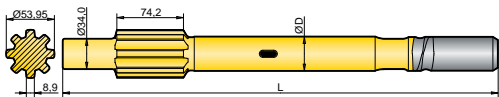
Atlas Copco COP 1032



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	4,9	–
TC35 (1⅜")	90516340	469-02006,10	510	45	4,9	–
T38 (1½")	90515978	435-02006,10	510	45	5,0	–

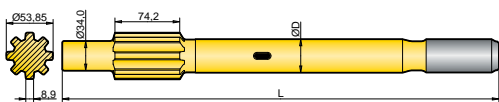
Atlas Copco COP 1036, COP 1038, COP 1238



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	4,0	–
R32 (1¼")	90515891	403-03004-30,10	485	38	4,0	–
R38 (1½")	90515961	404-03004,10	485	38	4,2	–
R38 (1½")	90515962	404-03004-30,10	485	38	4,3	–
T38 (1½")	90515983	435-03004,10	485	38	4,2	–

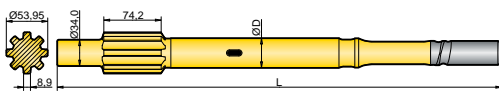
Atlas Copco COP 1036, COP 1038, COP 1238



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	4,0	–
T38 (1½")	90515980	435-03002,10	500	38	4,4	–
T45 (1¾")	90515995	436-03002,10	500	45	5,0	–

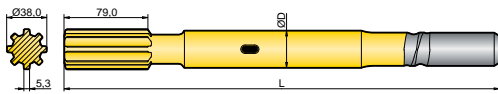
Atlas Copco COP 1036, COP 1038, COP 1238



Bench drilling, production 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	4,6	–
R38 (1½")	90515899	404-03003,10	575	38	4,7	–
T38 (1½")	90515981	435-03003,10	575	38	4,9	–
T45 (1¾")	90515996	436-03003,10	575	45	5,8	–
R32 (1¼")	90515889	403-03003-13,10	575	45	5,2	–
TC35 (1⅜")	90516341	469-03003-13,10	575	45	5,4	–
R38 (1½")	90515900	404-03003-13,10	575	45	5,4	–
T38 (1½")	90515982	435-03003-13,10	575	45	5,4	–

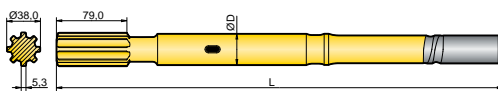
Atlas Copco COP 1132



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR28 (1 1/8")	90515871	425-15701,10	410	35	2,4	-
SR32 (1 1/4")	90516637	426-15701,10	410	35	2,5	-
R32 (1 1/4")	90515862	403-15701,10	410	35	2,5	-
TC35 (1 3/8")	90516636	469-15701,10	410	35	2,5	-

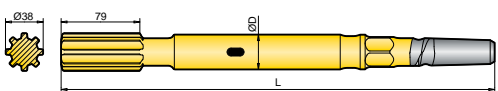
Atlas Copco COP 1132



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR28 (1 1/8")	90515872	425-15704,10	500	35	2,8	-
SR32 (1 1/4")	90516570	426-15704,10	500	35	3,0	-
R32 (1 1/4")	90515864	403-15704,10	500	35	3,0	-
TC35 (1 3/8")	90516598	469-15704,10	500	35	3,0	-

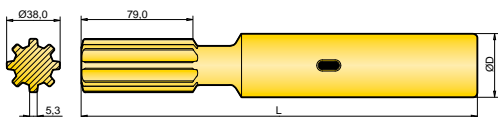
Atlas Copco COP 1132



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR28 (1 1/8")	90516561	425-15705,10	435	35	2,5	-

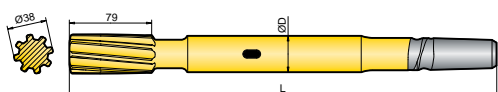
Atlas Copco COP 1132



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	2,4	-

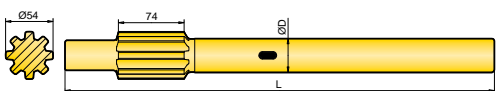
Atlas Copco COP 1140



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90003558	403-19001,10	410	35	2,6	-
SR32 (1 1/4")	90003559	426-19001,10	410	35	2,5	-
TC35 (1 3/8")	90003555	469-19001,10	410	35	2,6	-

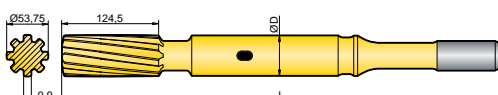
Atlas Copco COP 1238



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R25 (1")	90515878	402-03007-F,10	485	38	4,2	-

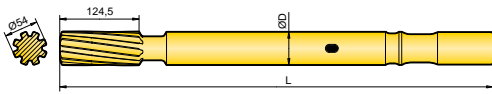
Atlas Copco COP 1240



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	6,4	-
TC35 (1 3/8")	90516343	469-13302,10	565	52	6,4	-
T38 (1 1/2")	90516125	435-13302,10	565	52	6,6	-

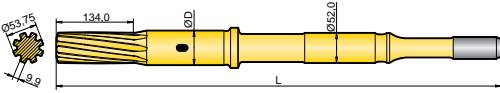
Atlas Copco COP 1240, COP 1640



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516399	403-13304-F,10	680	52	9,6	–

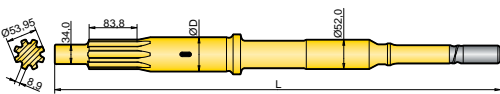
Atlas Copco COP 1240EX



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	10,7	–

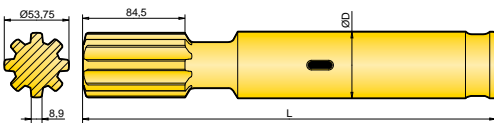
Atlas Copco COP 1338EX



Bench drilling, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516273	403-03102,10	780	60	10,1	–
T38 (1½")	90516278	435-03102,10	780	60	10,2	–
T45 (1¾")	90516293	436-03102,10	780	60	10,4	–

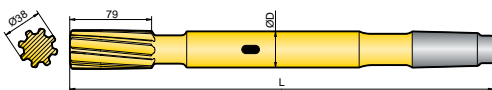
Atlas Copco COP 1432, COP 1532



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516167	403-13203-F,10	341	55	4,7	–
R38 (1½")	90516172	404-13203-F,10	341	55	4,4	–
T38 (1½")	90516195	435-13203-F,10	341	55	4,4	–

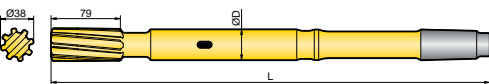
Atlas Copco COP 1435



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90003558	403-19001,10	410	35	2,6	–
TC35 (1⅜")	90003555	469-19001,10	410	35	2,6	–

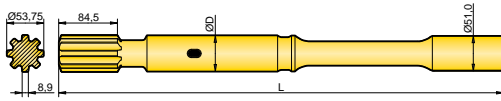
Atlas Copco COP 1435



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90003710	403-19004,10	500	35	3,0	–
TC35 (1⅜")	90003556	469-19004,10	500	35	3,1	–

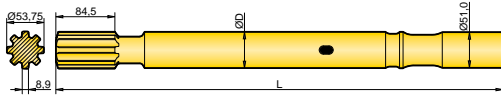
Atlas Copco COP 1440, COP 1838



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	7,5	–

Atlas Copco COP 1440, COP 1838



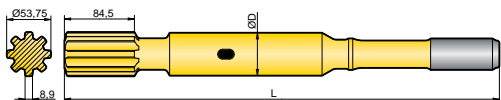
Bolting – SDA*, IRIA**

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	9,1	–
R38 (1½")	90515967	404-09106-F,10	650	52	8,9	–

* SDA = Self-Drilling Anchor

** IRIA = Integrated Rotary Injection Adapter

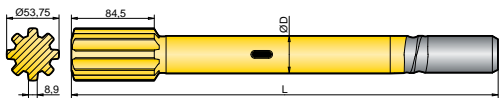
Atlas Copco COP 1440, COP 1550, COP 1838



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	5,7	–
TC35 (1⅜")	90516342	469-09103-18,10	525	52	5,8	–
T38 (1½")	90516184	435-09103-18,10	525	52	5,9	–
T45 (1¾")	90516206	436-09103,10	525	52	6,1	–
T51 (2")	90516217	437-09103,10	525	52	6,5	–

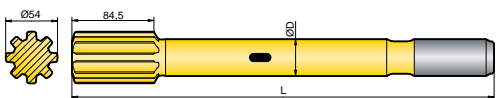
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



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	3,6	–
R38 (1½")	90516098	404-09101,10	435	38	3,9	–
T38 (1½")	90516120	435-09101,10	435	38	3,8	–
SR38 (1½")	90516106	427-09101,10	435	38	3,7	–

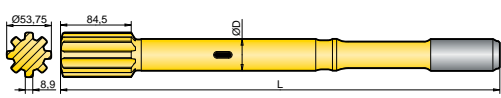
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515768	435-09101-30,10	435	38	3,9	–

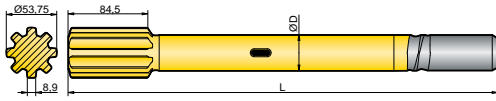
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



Bench 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	4,2	–
TC35 (1⅜")	90516393	469-09103,10	525	38	4,2	–
R38 (1½")	90516099	404-09103,10	525	38	4,3	–
T38 (1½")	90516121	435-09103,10	525	38	4,3	–
SR38 (1½")	90516107	427-09103,10	525	38	4,7	–

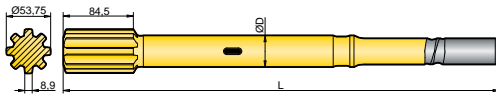
Atlas Copco COP 1638, COP 1838AW



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	4,1	–
T38 (1½")	90516122	435-09108-30,10	455	38	4,1	–

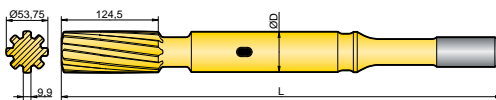
Atlas Copco COP 1638, COP 1838AW



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	4,3	–
T38 (1½")	90516185	435-0910A-30,10	525	38	4,5	–

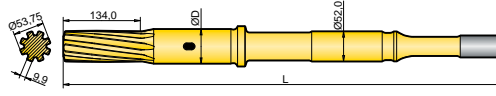
Atlas Copco COP 1640



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC35 (1⅜")	90516343	469-13302,10	565	52	6,4	–
T38 (1½")	90516125	435-13302,10	565	52	6,6	–

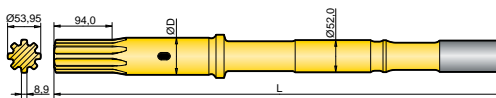
Atlas Copco COP 1640EX



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	10,7	–

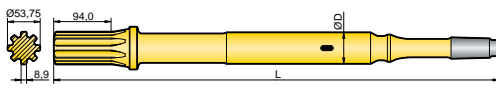
Atlas Copco COP 1838EX



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC35 (1⅜")	90516545	469-12304,10	730	60	9,8	–
T38 (1½")	90516288	435-12304,10	730	60	9,8	–
T45 (1¾")	90516304	436-12304,10	730	60	10,2	–
T51 (2")	90516316	437-12304,10	730	60	10,4	–

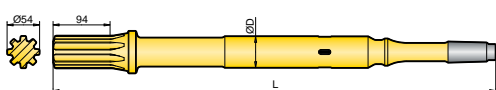
Atlas Copco COP 1838MUX/HUX



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC35 (1⅜")	90516559	469-12305,10	730	52	9,5	–
T38 (1½")	90516474	435-12305,10	730	52	9,9	–
T45 (1¾")	90516475	436-12305,10	730	52	9,9	–

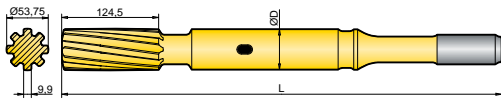
Atlas Copco COP 1838MUX/HUX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC35 (1⅜")	90003554	469-12305-31,10	730	52	9,5	–
T38 (1½")	90003552	435-12305-31,10	730	52	9,6	–
T45 (1¾")	90003553	436-12305-31,10	730	52	9,9	–

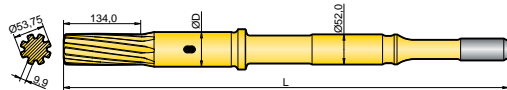
Atlas Copco COP 1840



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	6,8	–
T51 (2")	90516129	437-13302,10	565	52	7,2	–

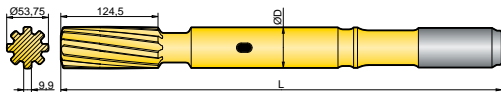
Atlas Copco COP 1840EX



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	10,8	–
T51 (2")	90516317	437-13402,10	770	60	10,9	–

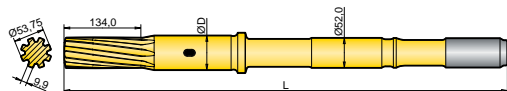
Atlas Copco COP 1850



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	7,2	–

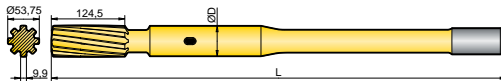
Atlas Copco COP 1850EX



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	10,9	–

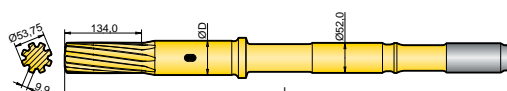
Atlas Copco COP 2150



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	8,5	–
T51 (2")	90515999	437-13303,10	770	52	9,2	–

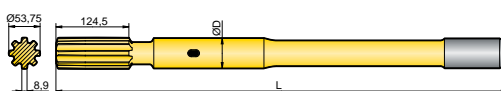
Atlas Copco COP 2150EX



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	10,8	–
T51 (2")	90516317	437-13402,10	770	60	10,9	–

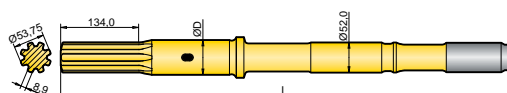
Atlas Copco COP 2150, COP 2550



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	9,9	–

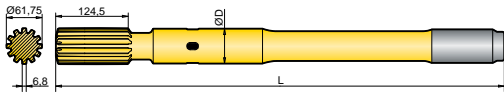
Atlas Copco COP 2150EX, COP 2550EX



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	11,0	–

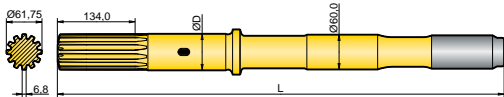
Atlas Copco COP 2160



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516216	436-17301,10	770	60	10,9	–
T51 (2")	90516220	437-17301,10	770	60	11,0	–

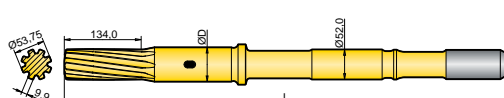
Atlas Copco COP 2160EX



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	13,2	–
T51 (2")	90516048	437-17201,10	770	63	13,3	–

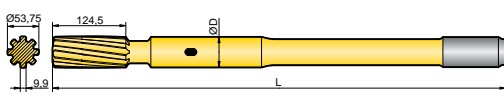
Atlas Copco COP 2540EX



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516305	436-13402,10	770	60	10,8	–
T51 (2")	90516317	437-13402,10	770	60	10,9	–

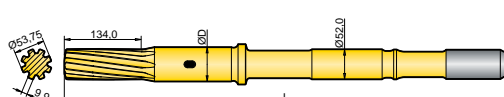
Atlas Copco COP 2550



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	9,2	–

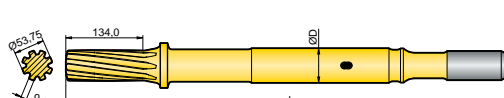
Atlas Copco COP 2550EX



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	10,9	–

Atlas Copco COP 2550UX



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	12,9	–
T51 (2")	90516041	437-13404,10	770	60	13,1	–

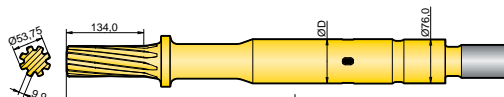
Atlas Copco COP 2550UX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 9/32")	90516511	451-13405-31-T,10	770	77	17,5	–

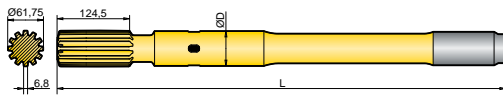
Atlas Copco COP 2550UX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 9/32")	90514970	451-13405-05-T,10	770	77	17,5	–

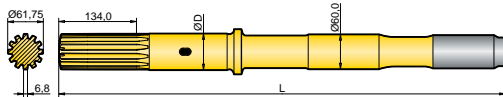
Atlas Copco COP 2560



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	11,0	-
T60 (2 3/8")	90516221	457-17301,10	770	60	12,4	-

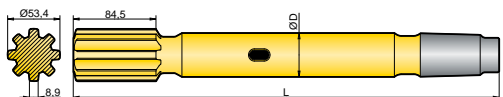
Atlas Copco COP 2560EX



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	13,3	-
T60 (2 3/8")	90516053	457-17201,10	770	63	14,0	-

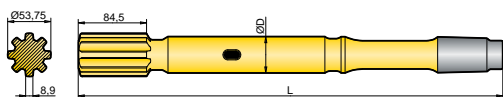
Atlas Copco COP 3038



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR38 (1 1/2")	90516571	427-16901-13-30,10	435	45	4,6	-
TC42 (1 5/8")	90516548	471-16901-13-30,10	435	45	4,8	-

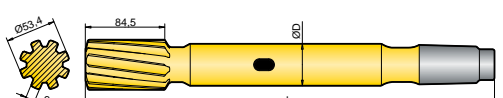
Atlas Copco COP 3038



Longhole drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR38 (1 1/2")	90516381	427-16903-13-30,10	525	45	5,1	-
T38 (1 1/2")	90516126	435-16903-13-30,10	525	45	5,2	-
TC42 (1 5/8")	90516549	471-16903-13-30,10	525	45	5,2	-

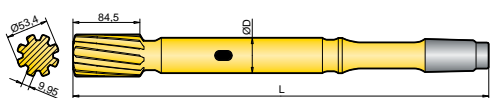
Atlas Copco COP 3038



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC42 (1 5/8")	90516608	471-18701-31,10	435	45	4,6	-

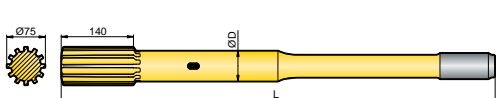
Atlas Copco COP 3038



Drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
TC42 (1 5/8")	90516609	471-18703-31,10	525	45	5,1	-

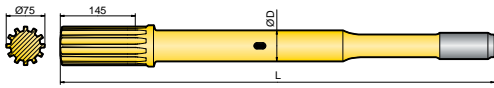
Atlas Copco COP 3060ME



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516633	437-17703,10	840	60	13,6	-
T60 (2 3/8")	90516635	457-17703,10	840	60	15,5	-

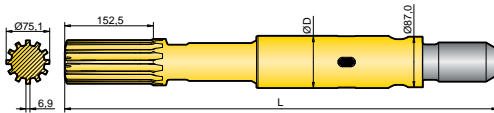
Atlas Copco COP 3060MEX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516632	437-17603,10	840	60	15,8	–
T60 (2 ³ / ₈ ")	90516634	457-17603,10	840	60	16,6	–

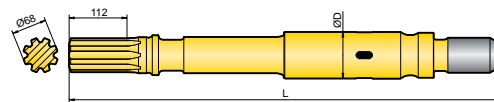
Atlas Copco COP 3060MUX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 ⁹ / ₃₂ ")	90516498	451-17601-31-T,10	745	90	23,7	–
ST68 (2 ¹¹ / ₁₆ ")	90516499	452-17601-31-T,10	745	90	24,1	–

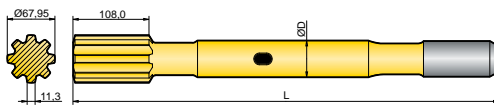
Atlas Copco COP 4050MUX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 ⁹ / ₃₂ ")	90516512	451-12004-31-T,10	835	90	26,5	–
ST68 (2 ¹¹ / ₁₆ ")	90516513	452-12008-31-T,10	835	90	26,9	–

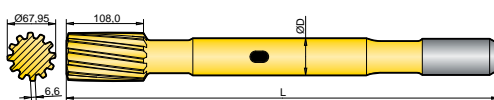
Atlas Copco COP 4050



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	8,9	–

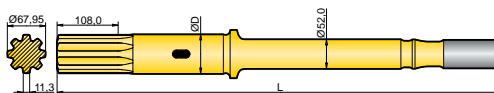
Atlas Copco COP 4050ME



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	8,9	–
T60 (2 ³ / ₈ ")	90516320	457-14802,10	700	70	14,7	–

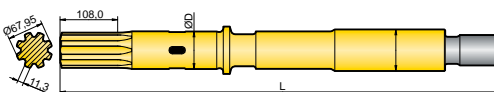
Atlas Copco COP 4050MEX



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	14,7	–

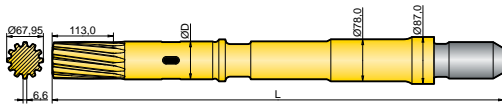
Atlas Copco COP 4050EX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 ⁹ / ₃₂ ")	90510252	451-12005-T,10	835	70	21,8	–

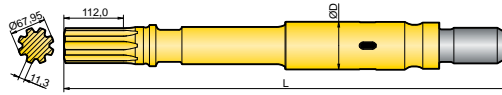
Atlas Copco COP 4050EX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST68 (2 ¹¹ / ₁₆ "	90510657	452-14501-T,10	835	70	21,7	-

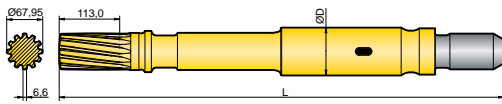
Atlas Copco COP 4050MUX



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	26,8	-
ST68 (2 ¹¹ / ₁₆ "	90514316	452-12008-T,10	835	90	26,9	-

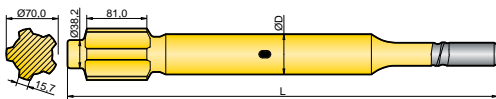
Atlas Copco COP 4050MUX



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST68 (2 ¹¹ / ₁₆ "	90003708	452-14502-31-T,10	835	90	27,0	-

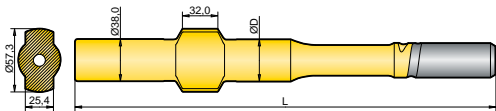
Boart HD 155



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516275	403-15601,10	580	55	8,6	–
TC35 (1⅜")	90003696	465-15601,10	580	55	8,5	–
T38 (1½")	90003580	435-15601,10	580	55	8,7	–

Böhler HM 751

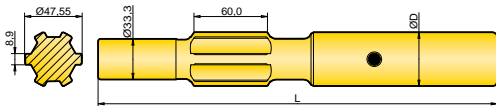


Drifting

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	2,6	9-11
R38 (1½")	90516168	404-01131,10	390	38	3,1	9-11
T38 (1½")	90516180	435-01131,10	390	38	3,1	9-11

Shank seal 90002571

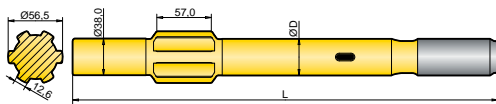
Cannon CH-32, Cannon CH-38



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R28 (1⅜")	90515868	407-15201-F,10	328	44	2,9	–
R32 (1¼")	90515861	403-15201-F,10	328	44	2,8	–

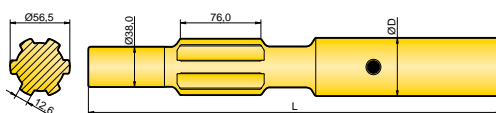
Cannon CH-38



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516117	435-06902,10	440	38	4,0	–

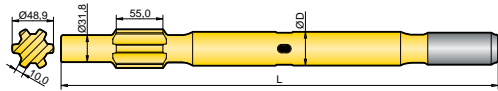
Cannon CH-38



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516118	435-06904-F,10	390	55	4,9	–

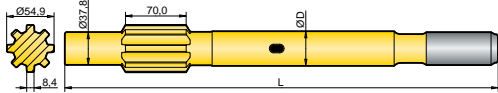
Furukawa HD 90



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	4,3	–

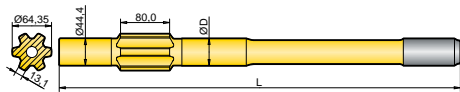
Furukawa HD 190



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	40	4,5	–
T38 (1½")	90516124	435-10002,10	500	40	4,5	–

Furukawa HD 300

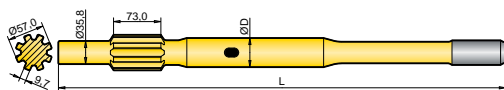


Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516388	435-08861,10	654	45	6,0	16,0
T45 (1¾")	90502638	436-08861,00	654	45	6,7	16,0

Shank seal 90001709

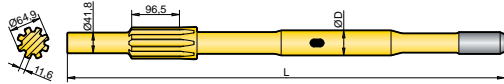
Furukawa HD 609



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	45	6,3	–
T45 (1¾")	90510276	436-13801,00	620	45	6,4	–

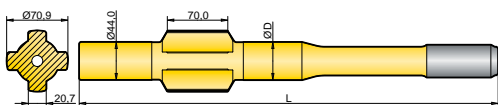
Furukawa HD 612 RP



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	51	11,2	–

Furukawa PD 200

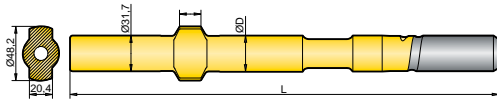


Drifting

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	5,0	14,3
T45 (1¾")	90516025	436-07751,10	485	44	5,4	14,3

Shank seal 90000466

Gardner Denver 93

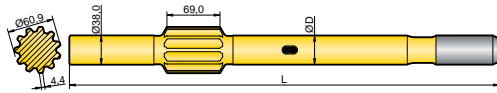


Drifting

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	2,1	9-11

Shank seal 90002571

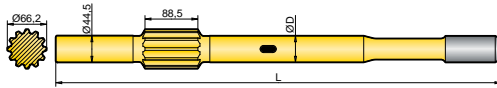
Gardner Denver HPR-C, HPRH-D



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	5,2	-

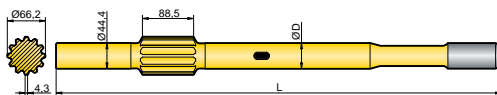
Gardner Denver HPR 1H



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	8,5	-

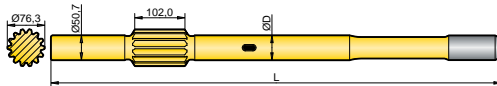
Gardner Denver HPR 45



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	9,0	-

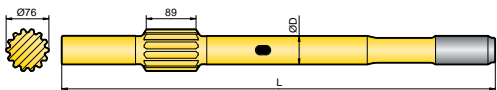
Gardner Denver HPR 2



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	51	14,0	-

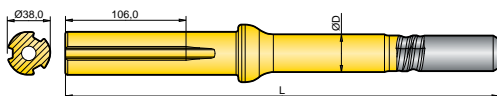
Gardner Denver HPR 5123



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90516470	437-18401,10	770	51	11,8	-

Gardner Denver PR 55, PR 123

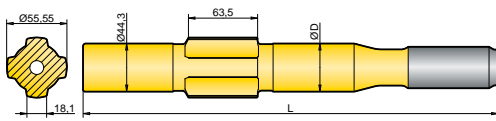


Drifting

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	3,6	8,0

Shank seal 90002571

Gardner Denver PR 123

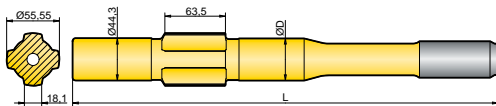


Drifting

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	3,4	14,3
R38 (1½")	90516095	404-03251,10	381	44	3,6	14,3
T38 (1½")	90516115	435-03251,10	381	44	3,7	14,3
T45 (1¾")	90516127	436-03251,10	381	44	3,9	14,3

Shank seal 90000466

Gardner Denver PR 123

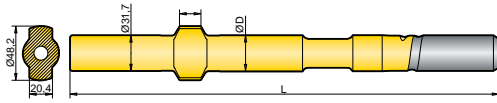


Drifting

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	4,0	14,3

Shank seal 90000466

Ingersoll Rand 350

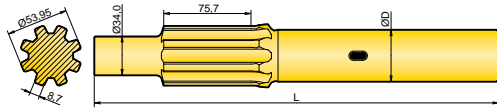


Bench drilling

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	2,1	9-11

Shank seal 90002571

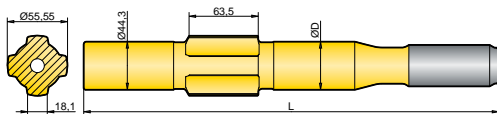
Ingersoll Rand Hydrastar 200



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	3,7	-

Ingersoll Rand VL 120, VL 140

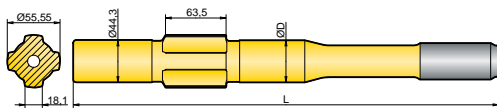


Bench drilling

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	3,4	14,3
R38 (1½")	90516095	404-03251,10	381	44	3,6	14,3
T38 (1½")	90516115	435-03251,10	381	44	3,7	14,3
T45 (1¾")	90516127	436-03251,10	381	44	3,9	14,3

Shank seal 90000466

Ingersoll Rand VL 120, VL 140 (with 4 splines)

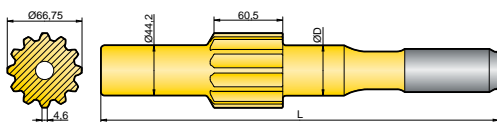


Bench drilling

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	4,0	14,3

Shank seal 90000466

Ingersoll Rand EVL 130, VL 140 (with 12 splines)

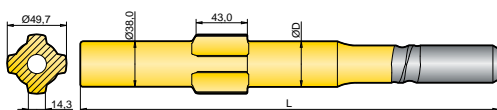


Bench drilling

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	3,9	14,3
T45 (1¾")	90516310	436-17101,10	350	44	4,2	14,3

Shank seal 90000466

Ingersoll Rand YD 90 M



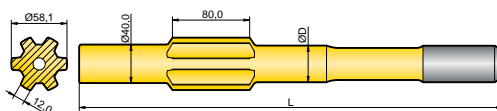
Drifting

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	2,6	9-11
R32 (1¼")	90515882	403-01671,10	350	38	2,5	12,7

Shank seal 90002571 for 90515881

Shank seal 90002587 for 90515882

Ingersoll Rand YH 45, YH 50, YH 55

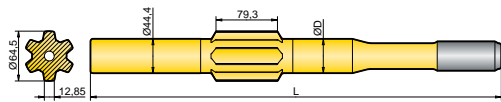


Bench drilling

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	3,8	16,0

Shank seal 90001709

Ingersoll Rand YH 60A

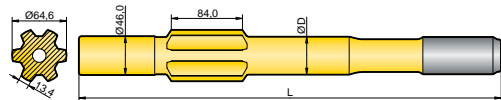


Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516309	436-16851,10	530	44	6,1	14,3

Shank seal 90000466

Ingersoll Rand YH 65, YH 70

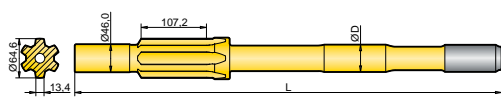


Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516283	435-10791,10	500	45	5,2	19,0
T45 (1 3/4")	90516299	436-10791,10	500	45	5,5	19,0

Shank seal 90002008

Ingersoll Rand YH 65 RP

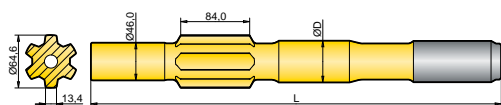


Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516285	435-10792,10	700	45	7,8	19,0
T45 (1 3/4")	90516301	436-10792,10	700	45	7,9	19,0

Shank seal 90002008

Ingersoll Rand YH 80A

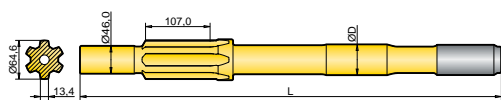


Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516284	435-10791-17,10	500	51	5,5	19,0
T45 (1 3/4")	90516300	436-10791-17,10	500	51	5,7	19,0
T51 (2")	90516313	437-10791,10	500	51	6,4	19,0

Shank seal 90002008

Ingersoll Rand YH 80A RP

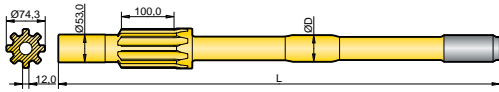


Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516302	436-10792-17,10	700	51	8,8	19,0
T51 (2")	90516314	437-10792,10	700	51	9,3	19,0

Shank seal 90002008

Ingersoll Rand YH 95 RP, YH 100 RP

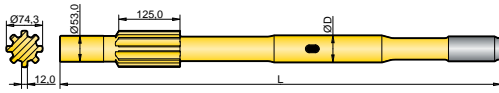


Bench drilling

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	11,6	23,0

Shank seal 90504645

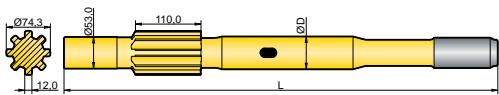
Ingersoll Rand YH 110 VRP, Y 135 RP



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	14,2	-

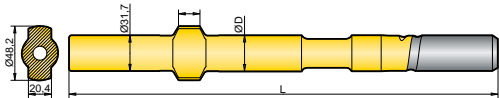
Ingersoll Rand YH 110 V, YH 135



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	11,4	-
T51 (2")	90516043	437-13905,10	728	55	11,7	-

Joy 400 RR

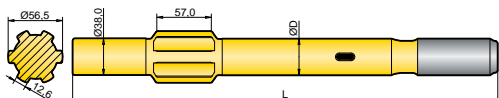


Bench drilling

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	2,1	9-11

Shank seal 90002571

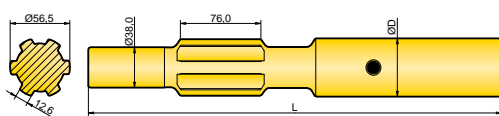
Joy JH 2



Drifting

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	4,0	-

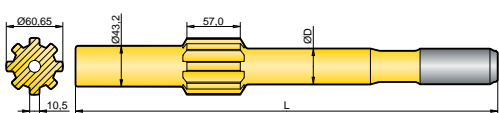
Joy JH 2



Production drilling

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	4,9	-

Joy VCR 260

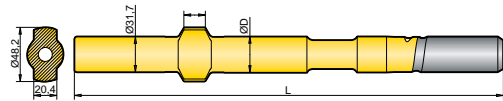


Drifting

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	3,9	16,0

Shank seal 90001709

Krupp HB 51

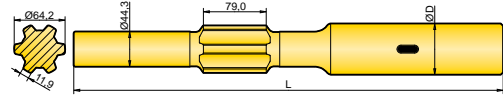


Bench drilling

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	2,1	9-11

Shank seal 90002571

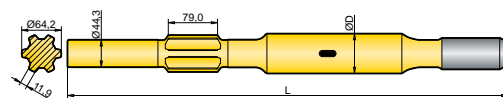
Krupp HB 101



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	8,7	-

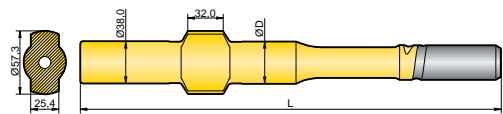
Krupp HB 101



Bench drilling

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

Montabert H 50, H 60, H 70

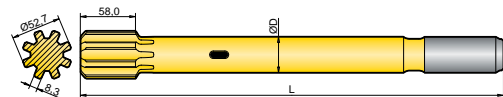


Drifting

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	2,6	9-11
R38 (1½")	90516168	404-01131,10	390	38	3,1	9-11
T38 (1½")	90516180	435-01131,10	390	38	3,1	9-11

Shank seal 90002571

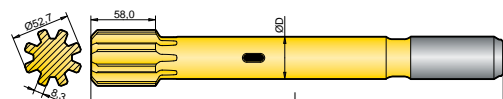
Montabert HC 40, HC 50



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	3,5	-
R38 (1½")	90515965	404-08501,10	445	38	4,0	-
T38 (1½")	90515988	435-08501,10	445	38	3,8	-

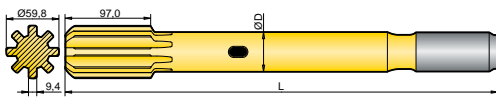
Montabert HC 40, HC 50



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	3,0	-
R38 (1½")	90515966	404-08504,10	370	38	3,3	-
T38 (1½")	90515989	435-08504,10	370	38	3,2	-

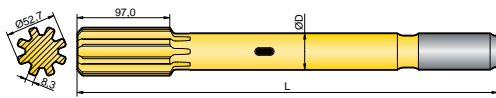
Montabert HC 80, HC 120



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516202	436-08201,10	490	45	5,6	–
T45 (1¾")	90516203	436-08203,10	590	45	6,4	–

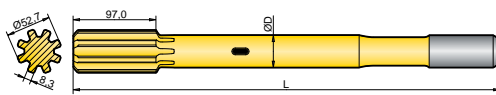
Montabert HC 80, HC 90, HC 105, HC 120



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90515893	403-08101,10	440	38	3,6	–
R38 (1½")	90515964	404-08101,10	440	38	3,9	–
T38 (1½")	90515985	435-08101,10	440	38	3,9	–

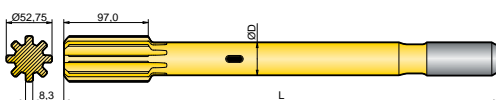
Montabert HC 80, HC 90, HC 105, HC 120



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515986	435-08102,10	500	38	4,2	–

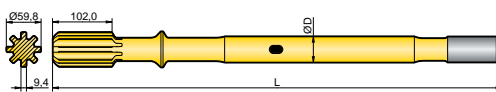
Montabert HC 80, HC 90, HC 105, HC 120



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90515987	435-08103,10	500	38	4,4	–

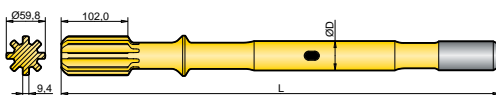
Montabert HC 80 RP, HC 105 RP, HC 107 RP, HC 108 RP, HC 109 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516193	435-11502-11,10	770	45	8,4	–
T45 (1¾")	90516215	436-11502-11,10	770	45	8,6	–

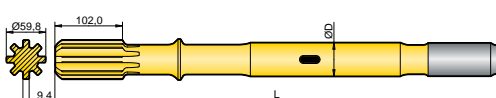
Montabert HC 80 RP, HC 105 RP, HC 107 RP, HC 108 RP, HC 109 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1½")	90516522	435-11501-11,10	670	45	7,2	–
T45 (1¾")	90516213	436-11501-11,10	670	45	7,5	–

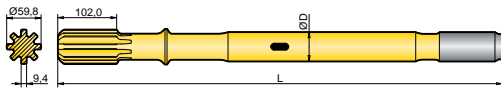
Montabert HC 120 RP, HC 150 RP, HC 155 RP, HC 158 RP



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1¾")	90516212	436-11501,10	670	51	8,8	–
T51 (2")	90516218	437-11501,10	670	51	8,9	–

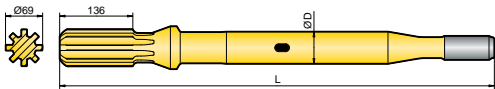
Montabert HC 120 RP, HC 150 RP



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	10,2	-
T51 (2")	90516219	437-11502,10	770	51	10,3	-

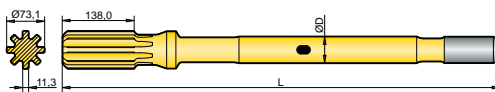
Montabert HC 160, HC 170



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516034	436-16501,10	805	60	14,8	-
T51 (2")	90516047	437-16501,10	805	60	14,9	-

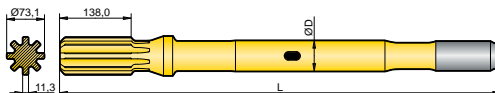
Montabert HC 200



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	13,2	-

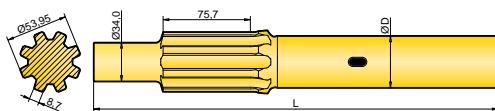
Montabert HC 200 A



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	16,3	-
T60 (2 3/8")	90516050	457-15003,10	850	60	16,9	-

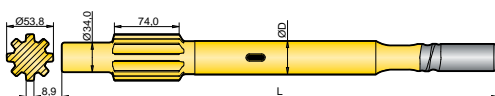
Secoma



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	3,7	-

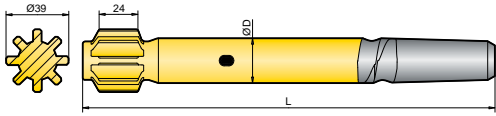
SIG HBM 100, HBM 150



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	4,0	-

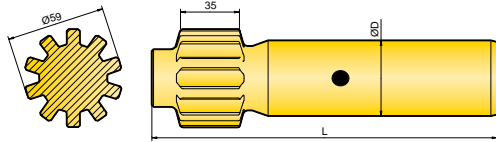
Sandvik/Tamrock HLX 1



Bolting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
SR28 (1 1/8")	90516148	425-17801,10	255	28	1,1	-

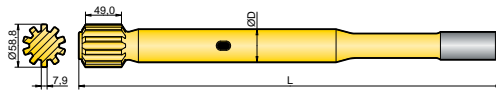
Sandvik/Tamrock HLX 3



Bolting, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90003605	403-19101-F,10	205	45	2,1	-

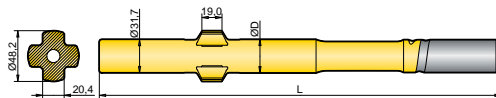
Sandvik/Tamrock HLX 5, HFX 5



Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1 1/2")	90516173	404-15401,10	500	45	5,2	-
T38 (1 1/2")	90516198	435-15401,10	500	45	5,1	-
SR38 (1 1/2")	90516177	427-15401,10	500	45	5,3	-
T45 (1 3/4")	90003672	436-15401,10	500	45	5,5	-
T38 (1 1/2")	90516199	435-15402,10	575	45	5,7	-
T45 (1 3/4")	90516144	436-15402,10	575	45	5,9	-

Sandvik/Tamrock L 400, L 500

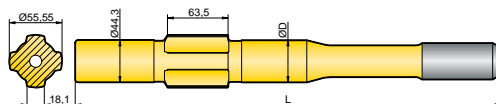


Bolting, drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90515859	403-00731,10	380	32	2,0	9-11

Shank seal 90002571

Sandvik/Tamrock L 600, L 750

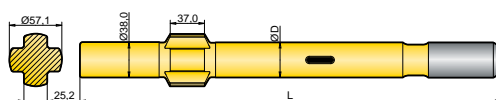


Drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T38 (1 1/2")	90516116	435-03254,10	446	44	4,0	14,3

Shank seal 90000466

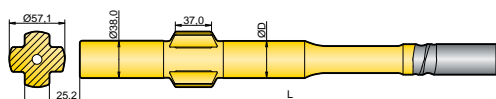
Sandvik/Tamrock 438 LS, 438 TS, HL 538, HL 538 L, L 550 S



Bench drilling, drifting, production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516078	403-01705,10	450	38	3,8	-
R38 (1 1/2")	90516091	404-01705,10	450	38	4,4	-
T38 (1 1/2")	90516111	435-01705,10	455	38	4,0	-

Sandvik/Tamrock 438, 538

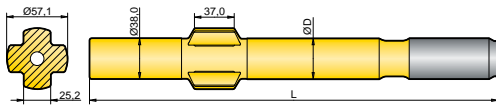


Bench drilling, drifting

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1 1/4")	90516079	403-01779,10	430	38	3,0	12,7

Shank seal 90002587

Sandvik/Tamrock 438, 538

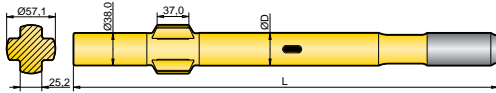


Bolting, drifting

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	3,0	12,7

Shank seal 90002587

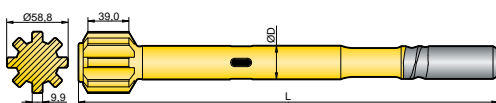
Sandvik/Tamrock 438, 538



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	4,2	-

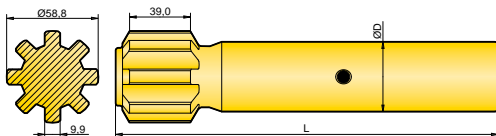
Sandvik/Tamrock HL 300



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	2,6	-

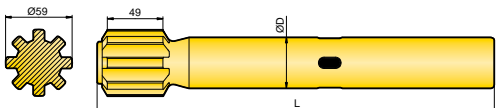
Sandvik/Tamrock HL 300 S



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	2,6	-

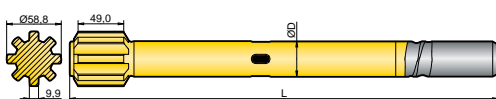
Sandvik/Tamrock HL 500 F



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R32 (1¼")	90516162	403-09404-F,10	350	45	3,9	-

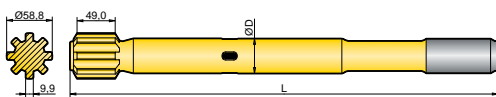
Sandvik/Tamrock HL 500



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
R38 (1½")	90516508	404-09403,10	500	38	3,7	-

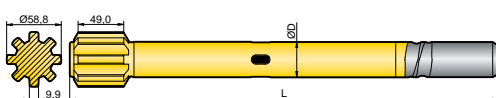
Sandvik/Tamrock HL 500



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	5,3	-
T45 (1¾")	90516207	436-09402,10	550	45	6,0	-

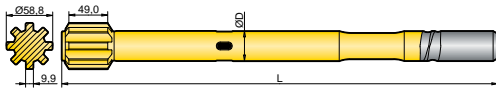
Sandvik/Tamrock HL 500, HL 500 S



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	3,9	-
TC35 (1⅜")	90003519	469-09401,10	460	38	3,9	-
R38 (1½")	90516170	404-09401,10	460	38	4,2	-
T38 (1½")	90516186	435-09401,10	460	38	4,2	-

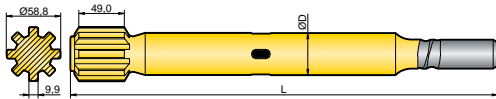
Sandvik/Tamrock HL 500, HL 500 S



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	4,3	–
T38 (1½")	90516189	435-09405,10	550	38	4,6	–

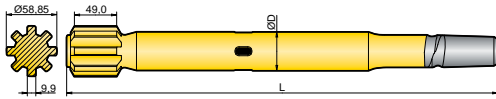
Sandvik/Tamrock HL 500 S



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	4,9	–

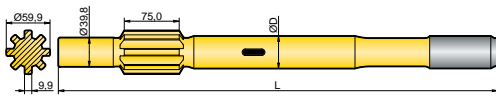
Sandvik/Tamrock HL 500, HL 500 S, HL 550 S, HL 560 S



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	5,3	–
T38 (1½")	90516188	435-09403-13,10	500	45	5,3	–
SR38 (1½")	90516176	427-09403-13,10	500	45	5,4	–

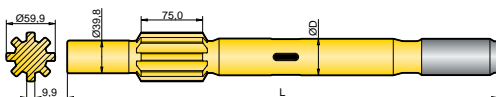
Sandvik/Tamrock HL 600, HL 600 S



Bench drilling, drifting

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

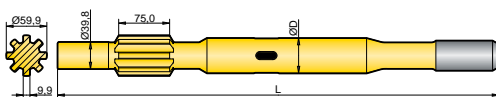
Sandvik/Tamrock HL 600, HL 600 S



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	5,6	–
T45 (1¾")	90516210	436-09502,10	525	45	5,8	–

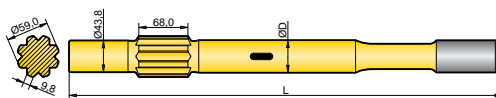
Sandvik/Tamrock HL 600, HL 600 S



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	8,3	–

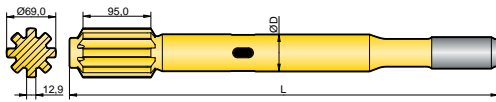
Sandvik/Tamrock HL 645, HL 645 S



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	6,5	–

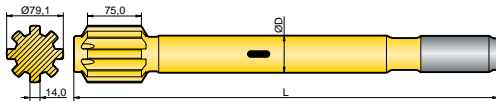
Sandvik/Tamrock HL 700, HL 800



Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T45 (1 3/4")	90516306	436-14001,10	600	45	7,2	-
T38 (1 1/2")	90516290	435-14001-18,10	600	52	8,0	-
T45 (1 3/4")	90516307	436-14001-18,10	600	52	8,5	-
T51 (2")	90516509	437-14001-18,10	600	52	8,5	-

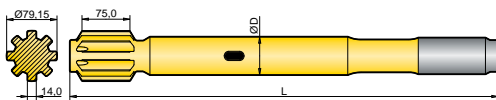
Sandvik/Tamrock HL 1000



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	9,3	-

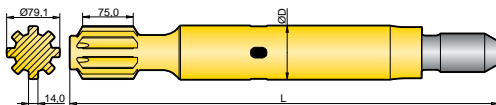
Sandvik/Tamrock HL 1000



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	10,0	-
T51 (2")	90516037	437-08902-20,10	670	52	10,0	-
T60 (2 3/8")	90516049	457-0890A-20,10	670	60	12,7	-

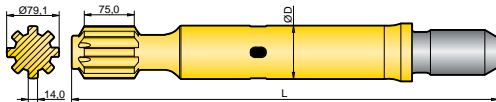
Sandvik/Tamrock HL 1000



Production drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
ST58 (2 5/32")	90510249	451-08907-20-T,10	635	80	18,4	-

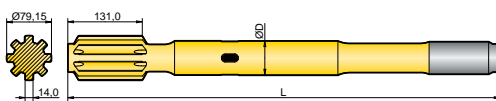
Sandvik/Tamrock HL 1000



Production 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	18,8	-

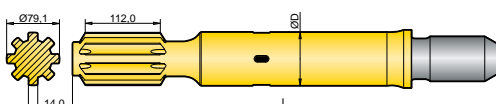
Sandvik/Tamrock HL 1500



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	14,3	-

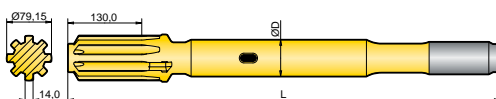
Sandvik/Tamrock HL 1500



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	18,1	-
ST68 (2 11/16")	90510775	452-14601-T,10	635	80	18,3	-

Sandvik/Tamrock HL 1000 PE-65, HL 1500 PE-65, HL 1560 T-65



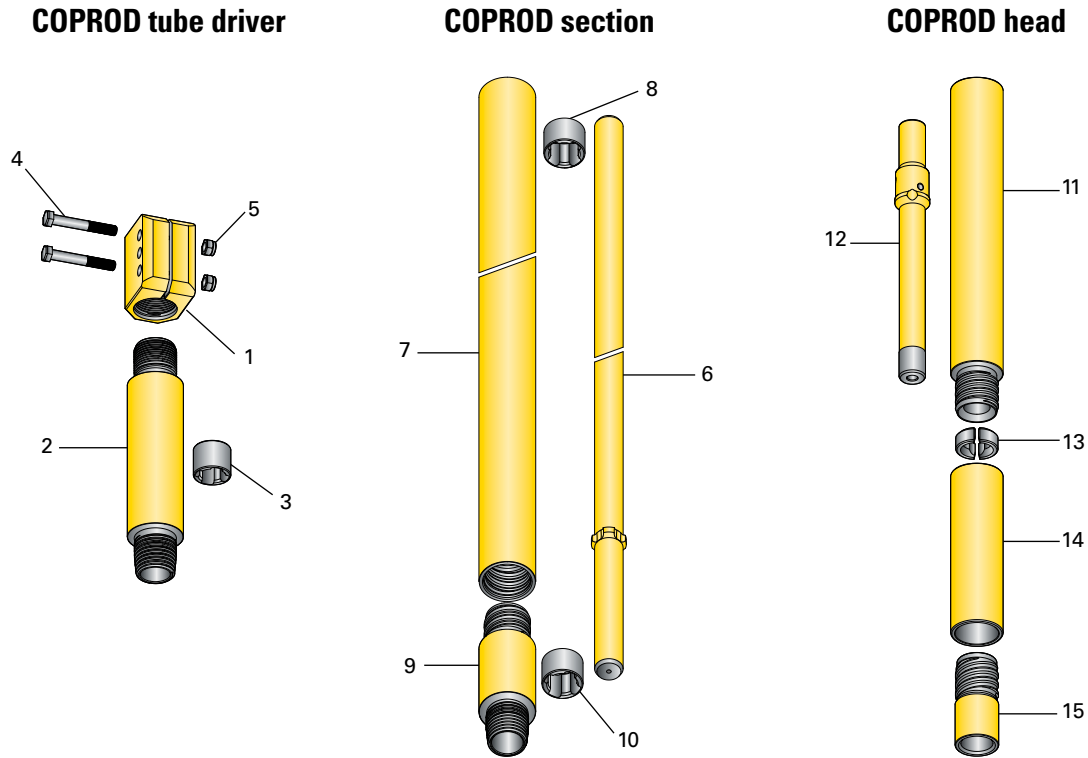
Bench drilling

Thread	Product No.	Product code	Length (L) mm	Dia (D) mm	Weight approx. kg	Flushing tube mm
T51 (2")	90003702	437-17901,10	760	65	16,3	-
T60 (2 3/8")	90516054	457-17901,10	760	65	16,7	-



COPROD

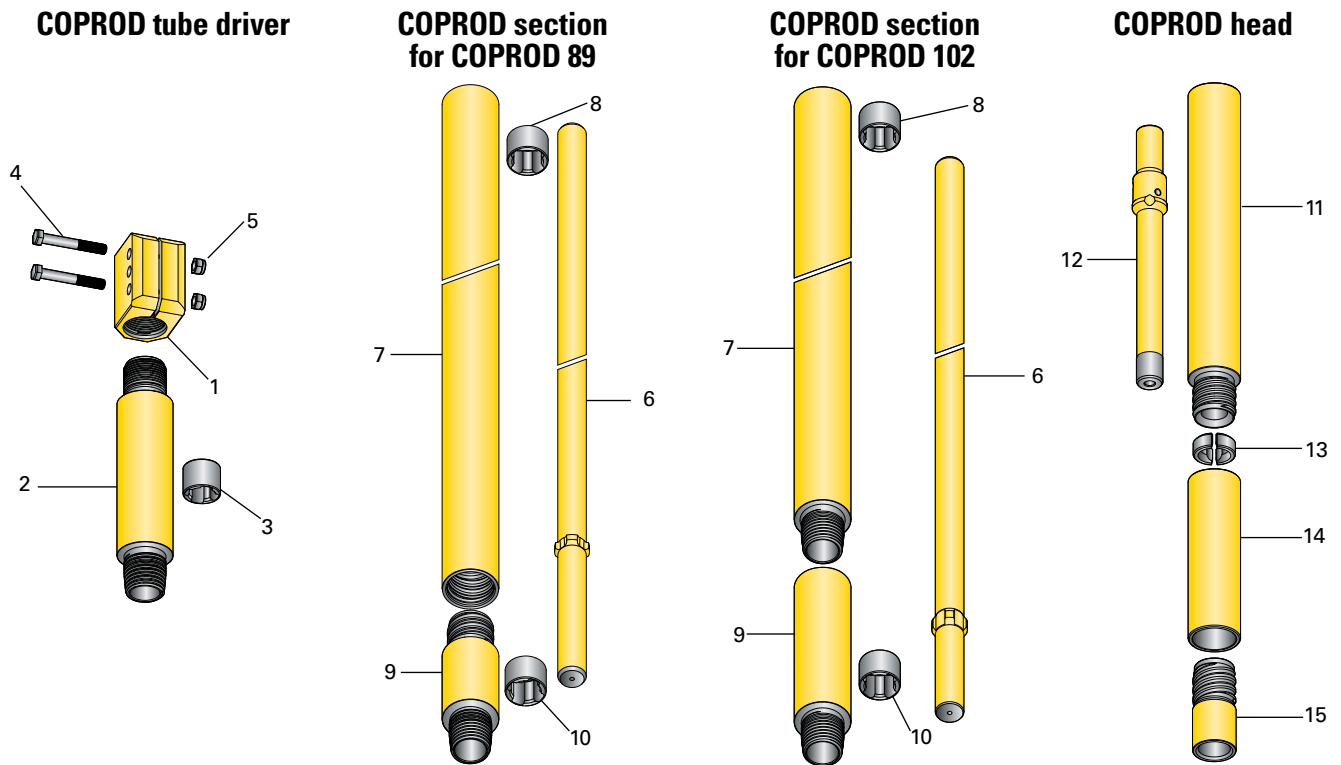
COPROD 76 and 89 for COP 2550CR	124
COPROD 89 and 102 for COP 4050CR	125
COPROD 127 and 140 for COP 4050CR	126
Conversion kit	127
Drill bits	128



Part description	COP 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')						
6 Rod 3660 mm (12')	94800314	7970-7691-00	44	94800327	7970-8991-00	46
7 Tube 3660 mm (12')	94800444	7970-7692-81	52	94800446	7970-8992-81	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						
11 Bit tube	94800317	7970-7682-80	22	94800310	7970-8982-80	32
12 Bit rod	94800318	7970-7681-00	12,3	94800311	7970-8981-00	18,2
13 Stop ring	94800365	7970-7685-00	4,4	94800366	7970-8985-00	5,6
14 Bit chuck	94800235	7970-7604-00	0,2	94800128	7970-8904-00	0,4
15 Bit driver	94800320	7970-7683-00	3,8	94800298	7970-8983-00	5,8
	94800227	7970-7674-00	1,8	94800272	7970-8984-00	2,8

* Weight approx. kg.

** Included in coupling.

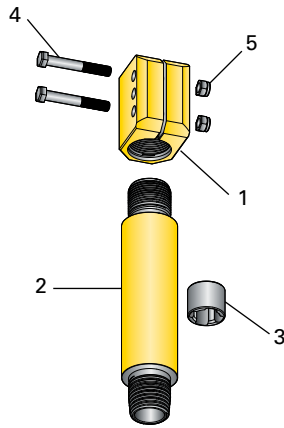


Part description	COP 4050CR					
	COPROD 89			COPROD 102		
	Product No.	Product code	Weight*	Product No.	Product code	Weight*
COPROD tube driver						
1 Coupling (for rotation chuck 3115 3215 02)	90003587	7970-2732-80	17,9	90003587	7970-2732-80	17,9
1 Coupling (for rotation chuck 3115 3215 01)	94800284	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')	94800447	7970-8990-81	118	94800451	7970-0240-81	128
6 Rod 3660 mm (12')	94800327	7970-8991-00	46	94800303	7970-0241-00	56
7 Tube 3660 mm (12')	94800446	7970-8992-81	66	94800450	7970-0242-81	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')	94800449	7970-8955-81	190	94800453	7970-0250-81	199
6 Rod 6100 mm (20')	94800387	7970-8956-00	76	94800084	7970-0251-00	94
7 Tube 6100 mm (20')	94800448	7970-8957-81	108	94800452	7970-0252-81	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	94800310	7970-8982-80	32	94800324	7970-0282-80	47
11 Bit tube	94800311	7970-8981-00	18,2	94800323	7970-0281-00	26,1
12 Bit rod	94800366	7970-8985-00	5,6	94800367	7970-0285-00	10,4
13 Stop ring	94800128	7970-8904-00	0,4	94800096	7970-0204-00	0,5
14 Bit chuck	94800298	7970-8983-00	5,8	94800325	7970-0273-00	7,5
15 Bit driver	94800272	7970-8984-00	2,8	94800082	7970-0274-00	2,9

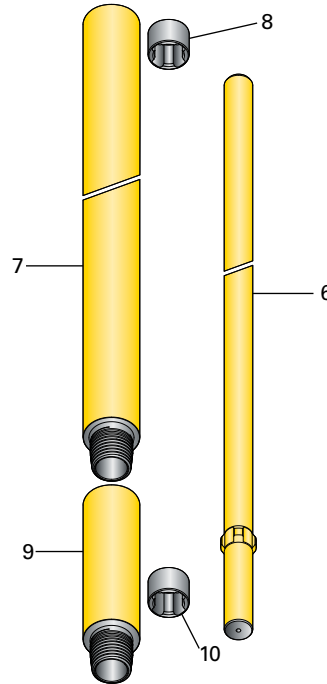
* Weight approx. kg.

** Included in coupling.

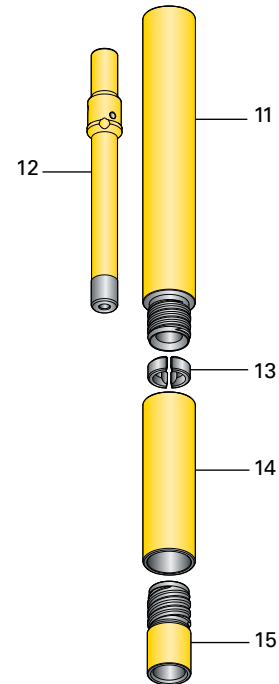
COPROD tube driver



COPROD section for COPROD 127 and 140



COPROD head

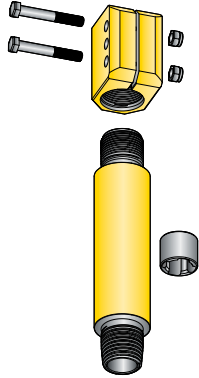


Part description	COP 4050CR					
	COPROD 127			COPROD 140		
	Product No.	Product code	Weight*	Product No.	Product code	Weight*
COPROD tube driver						
1 Coupling (for rotation chuck 3115 3215 02)	90003587	7970-2732-80	17,9	90003587	7970-2732-80	17,9
1 Coupling (for rotation chuck 3115 3215 01)	94800284	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')	94800455	7970-2750-81	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')	94800454	7970-2752-81	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	94800184	7970-2702-00	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

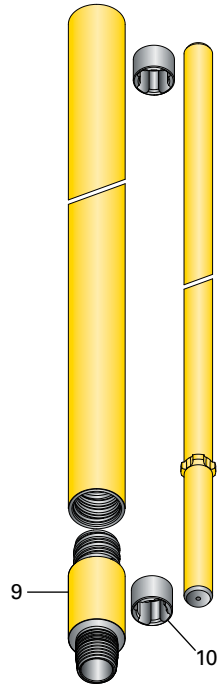
* Weight approx. kg.

** Included in coupling.

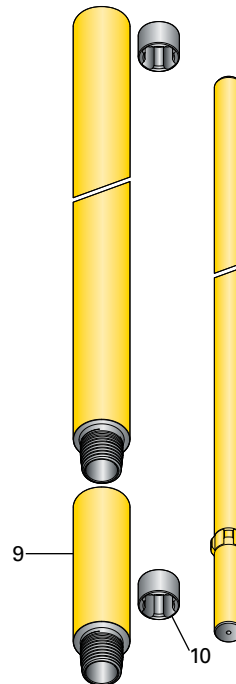
COPROD tube driver



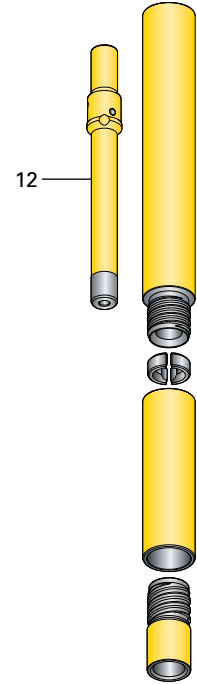
COPROD section for COPROD 76 and 89



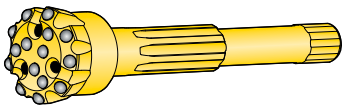
COPROD section for COPROD 102 and 127



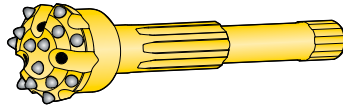
COPROD head



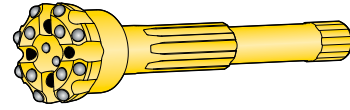
Part description	Product No.	Product code
Conversion kit for COPROD 76 to COPROD 89		
9 End piece	94800425	7970-7693-89-80
10 Rod guide	94800215	7970-8912-00
COPROD head	Use standard COPROD 89	
Conversion kit for COPROD 89 to COPROD 102		
9 End piece	94800423	7970-8993-02-80
10 Rod guide	94800121	7970-8902-00
COPROD head	Use standard COPROD 102 except for bitrod	
12 Bitrod	94800424	7970-0285-89-00
Conversion kit for COPROD 102 to COPROD 127		
9 End piece	94800426	7970-0253-27-80
10 Rod guide	94800087	7970-0202-00
COPROD head	Use standard COPROD 127	



Flat front

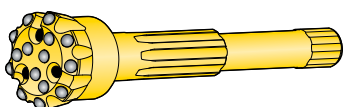


Convex front

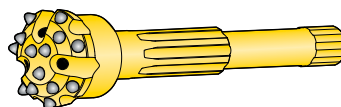


Drop center front

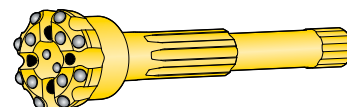
Drill bit	Diameter		Product No.	Product code	Buttons × button diameter (mm)			Gauge buttons angle°		Flushing holes No. × size mm	Weight approx. kg
	mm	inch			Gauge outer	Gauge inner	Centre	Outer	Inner		
COPROD 76 for	Flat front, HD, spherical buttons										
COP 1838CR	90	3 ⁹ / ₁₆	94800332	7976-1090-40,10-20	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 front, 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 front, 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
	Drop center front, full-ballistic buttons										
	105	4 ¹ / ₈	94800443	7989-3105-66,10-20	8×12,7	4×12,7	2×11	40°	–	4×13	8,8



Flat front



Convex front



Drop center front

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 front, 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 front, spherical buttons										
	165	6½	94800378	7927-3165-40,10-20	10×16	6×16	5×16	35°	–	2×18	23,8
	Drop center front, full-ballistic buttons										
	140	5½	94800368	7927-3140-66,10-20	9×16	6×16	4×12,7	35°	–	3×16	20,2
	COPROD 140 for COP 4050CR	Convex front, full-ballistic buttons									
165		6½	94800379	7940-2165-66,08-20	9×16	6×16	7×16	45°	25°	3×16	30,1
180		7⅞	94800381	7940-2180-66,08-20	9×16	6×16	7×16	45°	25°	3×16	31,2

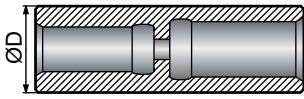


Cross over copulings and cross over adapters

Cross over couplings	132
Cross over adapters.....	132

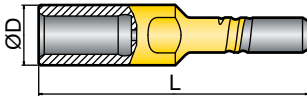
Cross over couplings and cross over adapters

Cross over couplings



Thread	Length		Diameter (D)		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch			
R25-R32	160	6 ⁵ / ₁₆	44	1 ²³ / ₃₂	90515746	302-1044-03,10	1,2
R28-R32	160	6 ⁵ / ₁₆	44	1 ²³ / ₃₂	90515751	307-1044-03,10	1,2
R32-R38	170	6 ³ / ₄	55	2 ⁵ / ₃₂	90515748	303-1055-04,10	2,0
R32-T38	170	6 ³ / ₄	55	2 ⁵ / ₃₂	90515749	303-1055-35,10	2,0
R32-TC42	165	6 ¹ / ₂	57	2 ¹ / ₄	90003675	303-1057-71,10	2,2
T38-TC42	175	6 ⁷ / ₈	57	2 ¹ / ₄	90516551	335-1057-71,10	2,0
R38-T38	180	7 ¹ / ₈	55	2 ⁵ / ₃₂	90515750	304-1055-35,10	1,8
T38-T45	180	7 ¹ / ₈	60	2 ³ / ₈	90515753	335-1061-36,10	2,4
T45-T51	225	8 ⁷ / ₈	72	2 ²⁷ / ₃₂	90515755	336-1072-37,10	4,5

Cross over adapters



Thread		Length (L)		Diameter (D)		Product No.	Product code	Weight approx. kg
Female	Male	mm	inch	mm	inch			
R25	R32	185	7 ¹ / ₄	45	1 ³ / ₄	90516019	302-2045-03,10	1,2
R32	R38	210	8 ¹ / ₄	45	1 ³ / ₄	90516020	303-2045-04,10	1,5
R32	T38	220	8 ⁵ / ₈	45	1 ³ / ₄	90504217	303-2045-35,00	1,5
R38	R32	245	9 ⁵ / ₈	55	2 ⁵ / ₃₂	90516021	304-2055-03,10	2,2
R38	T38	245	9 ⁵ / ₈	55	2 ⁵ / ₃₂	90504088	304-2057-35,00	2,4
T38	R32	247	9 ³ / ₄	57	2 ¹ / ₄	90516022	335-2057-03,10	2,4
T38	R38	280	11	57	2 ¹ / ₄	90516023	335-2057-04,10	3,4
T38	T45	285	11 ¹ / ₄	57	2 ¹ / ₄	90503941	335-2057-36,00	2,9
T45	T38	260	10 ¹ / ₄	63	2 ¹⁵ / ₃₂	90504244	336-2063-35,00	2,9
T45	T51	285	11 ¹ / ₄	63	2 ¹⁵ / ₃₂	90503942	336-2063-37,00	3,6
T51	T45	285	11 ¹ / ₄	71	2 ²⁵ / ₃₂	90504330	337-2071-36,00	4,0

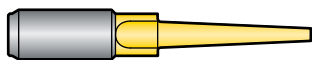


Auxiliary tools

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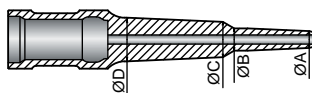
Auxiliary tools

Recovery pikes



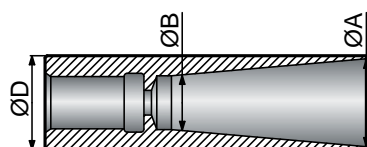
Thread		Product No.	Product code		Weight approx. kg
mm	inch		Rope thread	T thread	
32	1¼	90000331	9002,49		0,5
38	1½	90001971		9250,49	1,0
45	1¾	90002079		9253,49	1,3
51	2	90002872		9265,49	2,3

Recovery pikes for TDS tubes



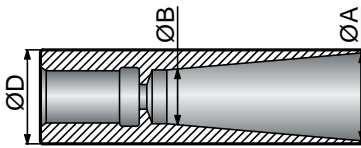
API Reg. Pin	A		B		C		D		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch	mm	inch	mm	inch			
For TDS tubes											
ST58	22	7/8	29	1 5/32	50	1 31/32	59	2 5/16	94000061	9268,49	5,5
ST68	18	23/32	43	1 11/16	60	2 3/8	71	2 25/32	90510783	9277,49	7,7

Recovery sleeves



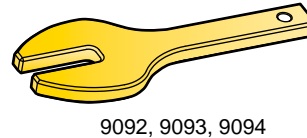
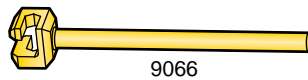
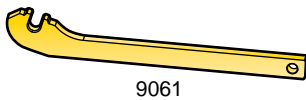
Thread	ØD		Major inner diam. (ØA)		Minor inner diam. (ØB)		Product No.	Product code		Weight approx. kg
	mm	inch	mm	inch	mm	inch		Rope thread	T thread	
For extension rods										
R32	49	1 15/16	47,2	1 27/32	23	29/32	90510880	9041,49		1,7
R38	60	2 3/8	57,2	2 1/4	30	1 3/16	90510881	9042,49		3,1
T38	61	2 13/32	58,2	2 9/32	30	1 3/16	90510882		9043,49	4,1
T45	71	2 25/32	68	2 11/16	36	1 13/32	90510883		9044,49	5,8
T51	82	3 7/32	78,2	3 1/16	41	1 5/8	90510884		9045,49	8,3
For couplings										
R32	49	1 15/16	47,2	1 27/32	23	29/32	90510880	9041,49		1,7
T45	71	2 25/32	68	2 11/16	36	1 13/32	90510883		9044,49	5,8
T51	82	3 7/32	78,2	3 1/16	41	1 5/8	90510884		9045,49	8,3
For Speedrods										
T45	71	2 25/32	68	2 11/16	36	1 13/32	90510883		9044,49	5,8
T51	82	3 7/32	78,2	3 1/16	41	1 5/8	90510884		9045,49	8,3

Recovery sleeves for TDS tubes



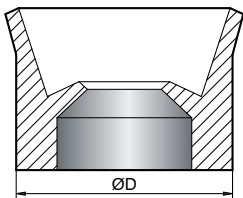
Thread	ØD		Major inner diam. (ØA)		Minor inner diam. (ØB)		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch	mm	inch			
For TDS tubes									
ST58	90	3 ⁹ / ₁₆	80	3 ⁵ / ₃₂	57	2 ¹ / ₄	94000012	9269,49	4,9
ST68	102	4	92	3 ⁵ / ₈	70	2 ³ / ₄	94502423	9267,49	6,2

Rod wrenches



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 (1¼")	90002028	9092,49	3,0
32 mm (1¼") hex., Ø 38 mm (1½")	90002029	9093,49	3,6
38 mm (1½") hex., Ø 45 mm (1¾")	90002030	9094,49	3,7

Shank seals



Tube diameter		Outer diameter (D)		Product No.	Product code
mm	inch	mm	inch		
5	3/16	10	13/32	90002182	9232
6,5	1/4	9,3	23/64	90002047	9159-06
8	5/16	14	9/16	90000378	9150-08
10	13/32	17	21/32	90002571	9151-10
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

Auxiliary tools

Thread grease



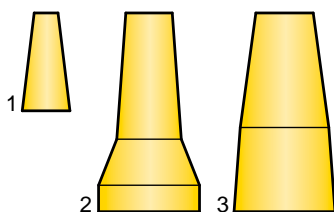
Acinol grease	Product No.	Product code
4,5 kg (10 lbs) package	90000382	9201,49
18 kg (40 lbs) package	90002915	9210,49
50 kg (110 lbs) package	90503915	9200,49

Chuck bushing gauges



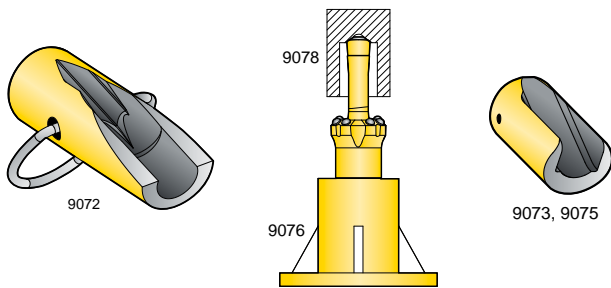
Bushing		Product No.	Product code
mm	inch		
19	3/4	90002667	9131
22	7/8	90002668	9132
25	1	90002669	9133

Plastic blast hole plugs



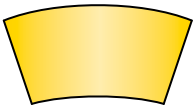
Illustr. No.	Hole diameter		Product No.	Product code
	mm	inch		
1	30–40	1 ³ / ₁₆ –1 ⁹ / ₁₆	90000328	9202
	40–50	1 ⁹ / ₁₆ –1 ³¹ / ₃₂	90000329	9203
2	50–75	1 ³¹ / ₃₂ –2 ¹⁵ / ₁₆	90000397	9204
	51	2	90003211	9207
	64	2 ¹ / ₂	90002315	9205
3	76	3	90503386	9208
	75–120	2 ¹⁵ / ₁₆ –4 ³ / ₄	90003083	9206

Knock-off tools



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	1,1

Shim



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



Grinding equipment

Introduction	140
Secoroc BQ3, BQ3-DTH, Jazz	141
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Cooling liquid concentrate	148
Indexing templates	149

A machine for every occasion

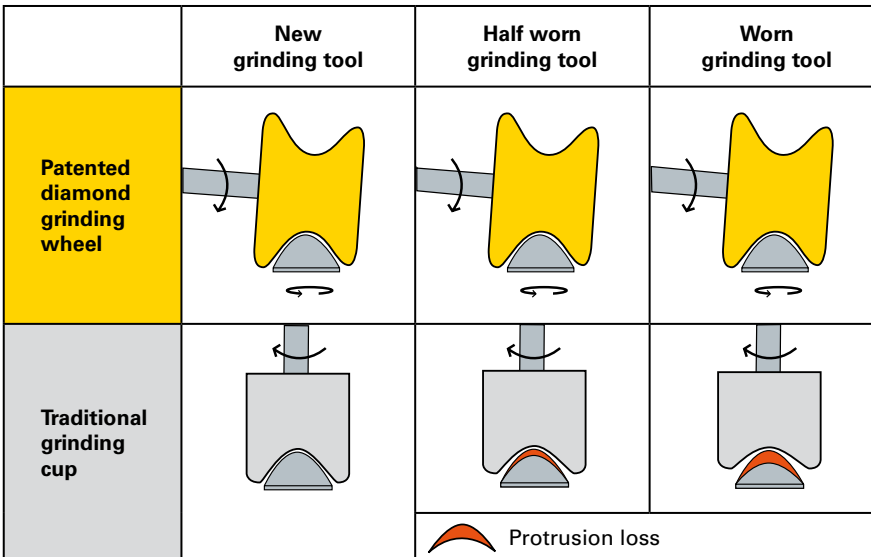
Grinding machine	Button bits	COPROD bits	Reaming bits	Integrals
Secoroc BQ3	●		●	
Secoroc Jazz	●	●	●	
Secoroc Manual B	●		●	
Secoroc HG	●	●	●	
Secoroc BQ3-DTH	○	●	○	
Secoroc Manual B-DTH*	○	●	○	
Secoroc Swing				●
Secoroc Senior				●

● Recommended ○ Can be used



A useful tip: use a Secoroc grinding template, and you'll see when it's time for a regrind.

Use the best grinding tool



Secoroc BQ3



Semi-automatic grinding machine for threaded and tapered button bits.

Electrical specifications	Prod No.
400 V 3-phase 50 Hz	87004800
230 V 3-phase 50 Hz	87004801
400 V 3-phase 60 Hz	87004803
230 V 3-phase 60 Hz	87004805
440 V 3-phase 50 Hz	87004806

Grinding capacity	
Max. height of drill bit	200 mm (7 7/8")
Max. diameter of drill bit	127 mm (5")
Max. bit skirt diameter	120 mm (4.75")
Min. distance between buttons	3.5 mm (3/64")

Technical data	
Air pressure, max.	7 bar (101.5 psi)
Air pressure, min.	5.5 bar (80 psi)
Air consumption	40 l/min
Capacity of cooling-fluid tank	22 l
Output, spindle motor	1.50 kW
Output, table drive motor	0.37 kW
Output, coolant pump motor	0.44 kW
Speed, spindle	14 900 rpm
Speed, table (50 Hz)	62 rpm
Speed, table (60 Hz)	74 rpm
Voltage working lighting	24 V
Weight, ex. packaging	222 kg (490 lb)
Transport dim. L 1730 x W 1030 x H 1160 mm	(68.11" x 40.55" x 43.94")

NOTE:

Secoroc BQ3 must be completed with grinding wheels, centering cups (others than 11 mm), bit holders and indexing templates.

Secoroc BQ3-DTH



Semi-automatic grinding machine for DTH- and COPROD button bits. Can also be used for threaded and tapered button bits with optional accessories.

Electrical specifications	Prod. No.
400 V 3-phase 50 Hz	87004900
230 V 3-phase 50 Hz	87004901
400 V 3-phase 60 Hz	87004903
230 V 3-phase 60 Hz	87004905
440 V 3-phase 50 Hz	87004906

Grinding capacity	
Max. height of drill bit	650 mm (2'1 5/8")
Max. diameter of drill bit	178 mm (7")
Min. distance between buttons	3.5 mm (3/64")

Technical data	
Air pressure, max.	7 bar (101.5 psi)
Air pressure, min.	5.5 bar (80 psi)
Air consumption	40 l/min
Capacity of cooling-fluid tank	22 l
Output, spindle motor	3.00 kW
Output, table drive motor	0.25 kW
Output, coolant pump motor	0.44 kW
Speed, spindle	14 900 rpm
Speed, table (50 Hz)	22 rpm
Speed, table (60 Hz)	26 rpm
Voltage working lighting	24 V
Weight, ex. packaging	345 kg (760 lb)
Transport dim. L 1200 x W 1200 x H 1700 mm	(47.24" x 47.24" x 66.93")

Optional accessories	Prod. No.
Auxiliary set for grinding threaded bits (excl. bit holder and templates)	87003939
Centering device	87004458

NOTE:

Secoroc BQ3-DTH must be completed with grinding wheels, centring cups and bit holders.

Secoroc Jazz



Rig mounted, semi-automatic grinding machine for threaded, tapered, DTH- and COPROD button bits.

Secoroc Jazz (standard)	Prod. No.
incl. main bit holder for threaded bits	87004100

Secoroc Jazz-DTH	Prod. No.
incl. main bit holder for DTH- and COPROD bits	87004300

Grinding capacity	
Max. distance between bit holder and grinding wheel	250 mm (9 7/8")
Max. diameter of drill bit	254 mm (10")
Min. diameter of drill bit	35 mm (1 3/8")
Min. distance between buttons	3.5 mm (3/64")

Technical data	
Air pressure, max.	7 bar (101.5 psi)
Air pressure, min.	6 bar (87 psi)
Air consumption	25 l/s
Coolant container	3 l
Output, spindle motor	1.00 kW
Speed, spindle	15 000 rpm
Voltage	24 V
Weight, ex. packaging	90 kg (198 lb)
Transport dim. L 800 x W 500 x H 700 mm	(31.50" x 19.68" x 27.56")

Optional accessories	Prod. No.
Anti-freeze kit	87004315
Centering device	87004465
Main bit holder for DTH- and COPROD button bits	87004268
Main bit holder for threaded/ tapered button bits	87004214
3-leg stand	87004450
Mounting bracket for Atlas Copco drill rig:	
- with cabin, Bosal type	87004628
- with cabin, Volvo type	87004384
- without cabin	87004456

NOTE:

Secoroc Jazz must be completed with grinding wheels, centering cups, bit holders and indexing templates.

Secoroc Manual B



Handheld portable grinding machine for threaded and tapered button bits.

Secoroc Manual B **Prod. No.**
87001890

Grinding capacity

Max. bit skirt diameter	90 mm (3 5/8")
Max. diameter, threaded bits	127 mm (5")
Max. diameter, retrac bits*	127 mm (5")
Max. diameter, tube drilling*	152 mm (6")

* Large clamping device necessary

Technical data

Air pressure, max.	6.3 bar (91 psi)
Air consumption	15 l/s
Coolant container	10 l
Idling speed of hand-held grinder	30 000 rpm
Speed of bit rotation	0-45 rpm
Weight, ex. packaging	55 kg (121.3 lb)
Weight, incl. packaging	90 kg (198.4 lb)
Transport dim.	L 1200 x W 800 x H 850 mm (47.24" x 31.50" x 33.46")

Optional accessories	Prod. No.
Vibration absorbing sleeve to fit the hand-held grinder	87001931
Set of 5 centring fingers	87001935

NOTE:
Secoroc Manual B must be completed with grinding wheels and bit holders.

Secoroc Manual B-DTH



Handheld portable grinding machine for DTH- and COPROD bits. Can also be used for threaded and tapered button bits with optional accessories.

Secoroc Manual B-DTH **Prod. No.**
87002300

Grinding capacity

Max. height of drill bit	506 mm (1'7 7/8")
Max. diameter of drill bit	203 mm (8")
Max. diameter of bit shank	170 mm (6 3/4")

Technical data

Air pressure, max.	6.3 bar (91 psi)
Air consumption	15 l/s
Coolant container	10 l
Idling speed of hand-held grinder	30 000 rpm
Speed of bit rotation	0-45 rpm
Weight, ex. packaging	110 kg (253 lb)
Weight, incl. packaging	148 kg (326 lb)
Transport dim.	L 1200 x W 800 x H 940 mm (47.24" x 31.50" x 37.01")

Optional accessories	Prod. No.
Vibration absorbing sleeve to fit the hand-held grinder	87001931
Set of 5 centering fingers	87001935
Clamping device for threaded bits	87002401

NOTE:
Secoroc Manual B-DTH must be completed with grinding wheels and bit holders.

Secoroc HG



Handheld grinding machine for button bits.

Secoroc HG **Prod. No.**
87002435

Grinding capacity

Button size	7-20 mm (5/32"- 25/32")
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Technical data

Air pressure, max.	7 bar (101.5 psi)
Air consumption, unloaded	50 l/s
Air consumption, loaded (at 6 bar, 86 psi)	42 l/s
Hose dimension, air	12.5 mm (1/2")
Hose dimension, water	6.3 mm (1/4")
Idling speed	17 000 rpm
Water flushing pressure, max.	4.5 bar (65.3 psi)
Weight, ex. hoses	2.8 kg (6.2 lb)

Optional accessories	Prod. No.
Lubricator	87002750
Reconditioning tool for grinding cups	87002810

NOTE:
Secoroc HG must be completed with grinding cups.

Secoroc Swing



Grinding machine for integrals.

Secoroc Senior



Grinding machine for integrals.



Secoroc Swing.

Secoroc Swing

Prod. No.
87002482

Technical data

Air pressure, max.	7 bar (101.5 psi)
Air consumption (at 6 bar, 86 psi)	25 l/s
Cutting-edge angle	110°
Cutting-edge radius	80 mm (3 1/2")
Gauge grinding arrangement incl. Hose connections:	
- Air	12.5 mm (1/2")
- Water	6.3 mm (1/4")
Idling speed	4 080 rpm
Power output	1.10 kW
Size of grinding wheel	
- D x T x H	125 x 63 x 32 mm (47/8" x 215/32" x 1 1/4")
- DI x TI	80 x 50 mm (3 1/2" x 2")
Spindle diameter	16 mm (5/8")
Weight incl. grinding wheel and 1.5 m water hose	27.5 kg (61 lb)

Optional accessories

Prod. No.	
Grinding wheel, hard	87002589
Grinding wheel, soft	87002811
Grinding wheel, hard endurance	87004700
Chuck bushing wear gauge:	
- H19 (0.75")	90002667
- H22 (0.85")	90002668
- H25 (1")	90002669
Lubricator	87002750

Electrical specifications

220 V 3-phase 50 Hz	87002485
220 V 3-phase 60 Hz	87002493
380 V 3-phase 50 Hz	87135402
380 V 3-phase 60 Hz	87002494
415 V 3-phase 50 HZ	87002488
415 V 3-phase 60 Hz	87002495
440 V 3-phase 60 Hz	87002496

Technical data

Air pressure, max.	7 bar (101.5 psi)
Cutting-edge angle, adjustable	90-130°
Grinding wheel:	
- D x T x H	200 x 102 x 32 mm (7 7/8" x 4" x 1 1/4")
- DI x TI	150 x 80 mm (5 7/8" x 3 1/2")
- Cutting-edge radius, adjustable	80-130 mm (3 1/2"-5 1/8")
Idling speed, electric 50 Hz	2 840 rpm
Idling speed, electric 60 Hz	1 690 rpm
Output 3-phase	1.50 kW
Rod hex. max.	25 mm (1")
Weight ex. packaging	105 kg (232 lb)
Weight incl. packaging	120 kg (265 lb)
Transport dim.	L 800 x W 600 x H 650 mm (31.50" x 23.62" x 25.59")

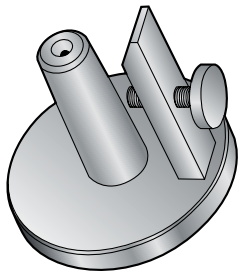
Optional accessories

Prod. No.	
Grinding wheel, hard	87002591
Grinding wheel, soft	87002813
Spacer plate for H19 integral	87000519
Chuck bushing wear gauge:	
- H19 (0.75")	90002667
- H22 (0.85")	90002668
- H25 (1")	90002669
Lubricator (pneumatic version)	87002750



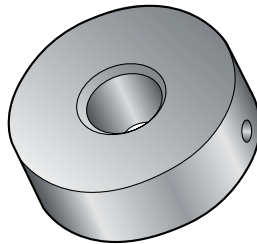
Secoroc integral equipment.

Bit holders for button bits



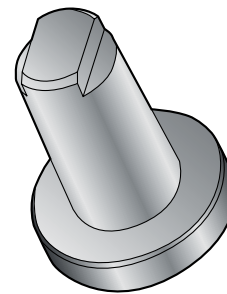
Bit holder type A

For BQ, BQ2, BQ3 and Jazz. Can also be used for BQ2-DTH, BQ3-DTH and Jazz-DTH with optional accessories.



Bit holder type B

For BQ2-DTH, BQ3-DTH and Jazz-DTH.



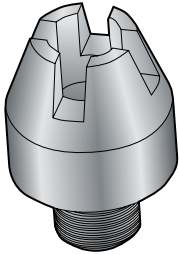
Bit holder type C

For Manual B. Can also be used for Manual B-DTH with optional accessories.

Type		Product No.	Product code
A	Threaded bits		
	R25	87003475	9500-3475
	R28	87003476	9500-3476
	SR28	87003960	9500-3960
	R32	87003477	9500-3477
	SR32	87003962	9500-3962
	SR35	87003956	9500-3956
	TC35	87004685	9500-4685
	R38	87004686	9500-4686
	T38	87004687	9500-4687
	SR38	87003978	9500-3978
	SR38 retrac, guide	87004081	9500-4081
	TC42	87004641	9500-4641
	T45	87003479	9500-3479
	TC45	87004569	9500-4569
	T51 and retrac	87003521	9500-3521
	T60	87004562	9500-4562
	Tube bits		
	ST58	87003522	9500-3522
	ST68	87003523	9500-3523
	Tapered bits		
	7° taper	87003524	9500-3524
	12° taper	87003525	9500-3525
	Reaming bits		
	64, 76 and 89 mm	87003526	9500-3526
	89,102 and 127 mm	87003527	9500-3527
	Guide bits		
	R32	87003992	9500-3992
	SR35	87004056	9500-4056
	B	COPROD bits	
COPROD 76		87004414	9500-4414
COPROD 89		87003155	9500-3155
COPROD 102		87004415	9500-4415
COPROD 127		87002396	9500-2396

Type		Product No.	Product code
C	Threaded bits		
	R25	87000792	9500-0792
	R28	87000793	9500-0793
	SR28	87003961	9500-3961
	R32	87000794	9500-0794
	R32	87001848	9500-1848
	SR32	87003963	9500-3963
	R35	87003360	9500-3360
	SR35	87003957	9500-3957
	R38/T38	87000795	9500-0795
	SR38	87003979	9500-3979
	T45	87000796	9500-0796
	T51	87000802	9500-0802
	Tapered bits		
	7° taper	87001044	9500-1044
	12° taper	87001045	9500-1045
	Tube bits		
	ST58	87001726	9500-1726
	ST68	87001573	9500-1573
	Reaming bits		
	64, 76, 89 mm	87000798	9500-0798
	89, 102, 127 mm	87000799	9500-0799

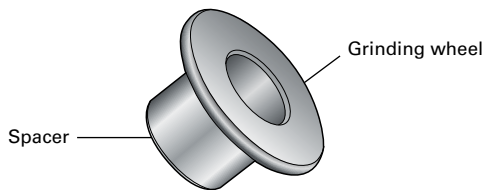
Centering cups*



Button size	Product No.	Product code
7,0 mm	87001040	9500-1040
8,0 mm	87000842	9500-0842
9,0 mm	87001047	9500-1047
10,0 mm	87001041	9500-1041
11,0 mm	87000840	9500-0840
12,0 mm	87001042	9500-1042
12,7 mm	87000839	9500-0839
13,0 mm	87001385	9500-1385
14,0 mm	87001043	9500-1043
14,5 mm	87001443	9500-1443
15,0 mm	87001386	9500-1386
16,0 mm	87001387	9500-1387
18,0 mm	87003943	9500-3943
19,0 mm	87003944	9500-3944

* Can NOT be used for Manual B/Manual B-DTH

Grinding wheels for steel removal*



Type	Product No.	Product code
Grinding wheel	87001530	9500-1530
Spacer for 10 mm button	87001631	9500-1631
Spacer for 11 mm button	87001632	9500-1632
Spacer for 12 mm button	87001633	9500-1633
Spacer for 13 mm button	87001634	9500-1634
Spacer for 14 mm button	87001635	9500-1635

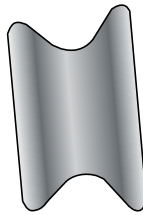
* Can NOT be used for Manual B/Manual B-DTH

NOTE: All grinding wheels have an inner diameter of 12 mm.

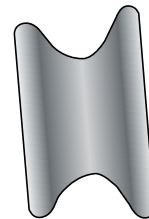
Diamond grinding wheels for button bits



Grinding wheel for spherical buttons



Grinding wheel for ballistic buttons



Grinding wheel for full-ballistic buttons

Diameter, mm	Product No.	Product code
GRINDING WHEEL - Spherical buttons		
7	87001028	9500-1028
8	87001026	9500-1026
9	87001389	9500-1389
10	87001023	9500-1023
11	87003406	9500-3406
12	87001024	9500-1024
13	87001339	9500-1339
14	87001025	9500-1025
15	87001384	9500-1384
16	87001027	9500-1027
18	87003964	9500-3964
19	87003966	9500-3966

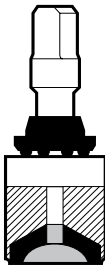
Diameter, mm	Product No.	Product code
GRINDING WHEEL - Ballistic buttons		
7	87003407	9500-3407
8	87003408	9500-3408
9	87003409	9500-3409
10	87003410	9500-3410
11	87003411	9500-3411
12	87003412	9500-3412
13	87003413	9500-3413
14	87003414	9500-3414
15	87003415	9500-3415
16	87003416	9500-3416
18	87003965	9500-3965
19	87003967	9500-3967

Diameter, mm	Product No.	Product code
GRINDING WHEEL - Full-ballistic buttons		
9	87004359	9500-4359
10	87004723	9500-4723
11	87004724	9500-4724
12,7	87004725	9500-4725
14,5	87004726	9500-4726
15,8	87004727	9500-4727

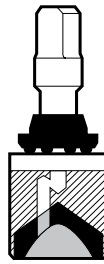
NOTE: All grinding wheels have an inner diameter of 12 mm.

Diamond grinding cups for Secoroc HG

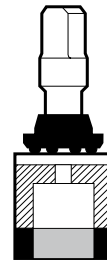
For spherical buttons



For ballistic buttons



For steel removal around buttons



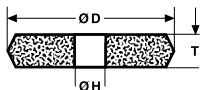
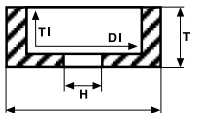
Diameter, mm	Product No.	Product code
GRINDING CUP - Spherical buttons		
7,0	87002566	9500-2566
8,0	87002567	9500-2567
9,0	87002568	9500-2568
10,0	87002569	9500-2569
11,0	87002570	9500-2570
12,0	87002571	9500-2571
13,0	87002572	9500-2572
14,0	87002573	9500-2573
15,0	87002574	9500-2574
16,0	87002575	9500-2575
18,0	87002576	9500-2576
19,0	87004558	9500-4558
20,0	87002577	9500-2577

Diameter, mm	Product No.	Product code
GRINDING CUP - Ballistic buttons		
7,0	87002579	9500-2579
8,0	87002580	9500-2580
9,0	87002581	9500-2581
10,0	87002582	9500-2582
11,0	87002583	9500-2583
12,0	87002584	9500-2584
13,0	87002585	9500-2585
14,0	87002586	9500-2586
15,0	87002587	9500-2587
16,0	87002588	9500-2588

Diameter, mm	Product No.	Product code
GRINDING CUP - For steel removal		
7-8	87002700	9500-2700
9-10	87002701	9500-2701
11-12	87002702	9500-2702
13-14	87002703	9500-2703
15-16	87002704	9500-2704
17-18	87002840	9500-2840
19-20	87002841	9500-2841

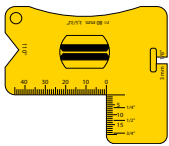
Ceramic grinding wheels

Cross-type bits, X-type bits and chisel bits

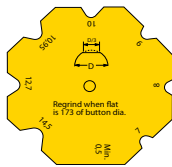
	Grinding machine	Bit size, mm	Bit angle	Wheel angle	Dimension (D×T×H), mm	Dimension (DI×TI), mm	Product No.	Product code
	Grind Matic X Sandvik RG 300 Sandvik RG 320 Sandvik RG 340 Sandvik RG 360	35	90°	132°	300 x 23 x 32	–	87002594	9555
		38-41	90°	132°	300 x 26 x 32	–	87002595	9556
		45	90°	132°	300 x 29 x 32	–	87002597	9558
		48-51	90°	132°	300 x 32 x 32	–	87002616	9577
		76	90°	132°	300 x 52 x 32	–	87002603	9564
		76	75°	126°	300 x 42 x 32	–	87002608	9569
		76	105°	139°	300 x 58 x 32	–	87002609	9570
	Secoroc Swing Sandvik RG 100	–	–	–	125 x 63 x 32	80 x 50, hard	87002589	9550
		–	–	–	125 x 63 x 32	80 x 50, soft	87002811	9500-2811
	Secoroc Senior	–	–	–	125 x 63 x 32	80 x 50, hard endurance	87004700	9500-4700
		–	–	–	200 x 102 x 32	150 x 80, hard	87002591	9552
	Grind Matic Junior	–	–	–	200 x 102 x 32	150 x 80, soft	87002813	9500-2813
		–	–	–	150 x 83 x 32	100 x 64, hard	87002590	9551
		–	–	–	150 x 83 x 32	100 x 64, soft	87002812	9500-2812

Grinding templates

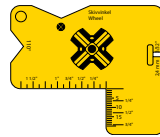
Integral rods and bits



For integral rods



For button bits



For cross-type bits

Grinding template	Dimension, mm	Product No.	Product code
Integral rods	–	90002610	9101
Button bits, spherical	7-14,5	90002944	9104
Button bits, ballistic	7-14,5	90503414	9105
Button bits, spherical	10,95-19,1	90510753	9129
Button bits, ballistic	10,95-19,1	90510758	9130
Cross-type bits	–	90002611	9102

Cooling liquid concentrate

For all machines with cooling recycling system

Cooling liquid concentrate	Product No.	Product code
Cooling liquid, 0,5 l	87001038	9500-1038
Cooling liquid, 10 l	87002844	9500-2844

Additive for better cooling and corrosion protection (ratio 1:30).

Indexing templates for Secoroc BQ3, Jazz, BQ2 and BQ

Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
R25				
R25	90510448	102-5033-17,39-20	87003484	9500-3484
R25	90510274	102-5033-17-67,39-20	87003484	9500-3484
R25	90505181	102-5035-27,39-20	87003483	9500-3483
R25	90509723	102-5035-27-67,39-20	87003483	9500-3483
R25	90505295	102-5037-27,39-20	87003483	9500-3483
R25	90505179	102-5038-27,39-20	87003483	9500-3483
R25	90505180	102-5038-27-67,39-20	87003483	9500-3483
R25	90510206	102-5038-56,39-20	87003494	9500-3494
R25	90505175	102-5041-27,39-20	87003499	9500-3499
R25	90510662	102-5041-27-30-67,39-20	87003499	9500-3499
R25	90510207	102-5041-56,39-20	87003482	9500-3482
R25	90505145	102-5045-27,39-20	87003480	9500-3480
R25	90510208	102-5045-56,39-20	87003482	9500-3482
R25	90505353	102-5051-27,39-20	87003485	9500-3485
R28				
R28	90505296	107-5037-27,39-20	87003483	9500-3483
R28	90505177	107-5038-27,39-20	87003483	9500-3483
R28	90505178	107-5038-27-67,39-20	87003483	9500-3483
R28	90505173	107-5041-27,39-20	87003499	9500-3499
R28	90505174	107-5041-27-67,39-20	87003499	9500-3499
R28	90505169	107-5043-27,39-20	87003499	9500-3499
R28	90509467	107-5045-37,39-20	87003481	9500-3481
R28	90509470	107-5048-37-67,39-20	87003486	9500-3486
R28	90510396	107-5076-20,49-20	87003559	9500-3559
R28	90510397	107-6051,49-20	87003487	9500-3487
SR28				
SR28	90514200	125-5033-17,39-20	87003484	9500-3484
SR28	90514117	125-5033-41,39-20	87004037	9500-4037
SR28	90514137	125-5033-41-67,39-20	87004037	9500-4037
SR28	90514322	125-5035-27,39-20	87003483	9500-3483
SR28	90514102	125-5035-27-67,39-20	87003483	9500-3483
SR28	90514167	125-5037-99,39-20	87003483	9500-3483
SR28	90514282	125-5038-27,39-20	87003483	9500-3483
SR28	90516334	125-5038-41-67,39-20	87004741	9500-4741
SR28	90516422	125-5045-37-67,39-20	87003481	9500-3481
R32				
R32	90505171	103-5041-27,39-20	87003499	9500-3499
R32	90505172	103-5041-27-67,39-20	87003499	9500-3499
R32	90510744	103-5041-34-67,39-20	87003492	9500-3492
R32	90510209	103-5041-56,39-20	87003482	9500-3482
R32	90505164	103-5043-27,39-20	87003499	9500-3499
R32	90505168	103-5043-27-67,39-20	87003499	9500-3499
R32	90510769	103-5043-37-67,39-20	87003486	9500-3486
R32	90510210	103-5043-56,39-20	87003494	9500-3494
R32	90504373	103-5045-27,39-20	87003480	9500-3480
R32	90512011	103-5045-27-67,39-20	87003480	9500-3480
R32	90510275	103-5045-34-67,39-20	87003492	9500-3492
R32	90509457	103-5045-37,39-20	87003481	9500-3481
R32	90509459	103-5045-37-30-67,39-20	87003481	9500-3481
R32	90509460	103-5045-37-67,39-20	87003481	9500-3481
R32	90504401	103-5045-39,39-20	87003488	9500-3488

Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
R32	90510211	103-5045-56,39-20	87003482	9500-3482
R32	90504374	103-5048-27,39-20	87003485	9500-3485
R32	90509461	103-5048-37,39-20	87003486	9500-3486
R32	90509463	103-5048-37-30-67,39-20	87003486	9500-3486
R32	90509464	103-5048-37-67,39-20	87003486	9500-3486
R32	90510450	103-5051,39-20	87003496	9500-3496
R32	90504566	103-5051-27,39-20	87003485	9500-3485
R32	90510451	103-5051-34,39-20	87003492	9500-3492
R32	90509465	103-5051-37,39-20	87003481	9500-3481
R32	90509466	103-5051-37-67,39-20	87003481	9500-3481
R32	90510836	103-5051-37-45-67,39-20	87003481	9500-3481
R32	90510795	103-5054-24-45-67,39-20	87003493	9500-3493
R32	90509480	103-5054-37,39-20	87003486	9500-3486
R32	90509481	103-5054-37-67,39-20	87003486	9500-3486
R32	90510453	103-5057-20,39-20	87003495	9500-3495
R32	90510454	103-5057-20-67,39-20	87003495	9500-3495
R32	90510303	103-5064,49-20	87003489	9500-3489
R32	90510381	103-5064-45,49-20	87003489	9500-3489
R32	90510327	103-5064-67,49-20	87003489	9500-3489
R32	90510353	103-5076,49-20	87003493	9500-3493
R32	90510821	103-5076-42-24-67,49-20	87003951	9500-3951
R32	90510843	103-5089-42-24,49-20	87003955	9500-3955
R32	90510820	103-5089-42-24-67,49-20	87003955	9500-3955
R32	90510842	103-5102-42-24,49-20	87003955	9500-3955
R32	90510781	103-5102-42-24-67,49-20	87003955	9500-3955
R32	90513779	103-5127-42-24,49-20	87003954	9500-3954
R32	90510302	103-6051,49-20	87003487	9500-3487
R32	90510308	103-6051-45,49-20	87003487	9500-3487
R32	90510328	103-6064,49-20	87003487	9500-3487
R32	90510364	103-6064-45,49-20	87003487	9500-3487
R32	90510414	103-6064-45-67,49-20	87003487	9500-3487
R32	90510504	103-6076-45,49-20	87003498	9500-3498
SR32				
SR32	90514501	126-5038-27-67,39-20	87004741	9500-4741
SR35				
SR35	90513844	128-5043-27,39-20	87003499	9500-3499
SR35	90516547	128-5043-39-67,39-20	87003495	9500-3495
SR35	90513840	128-5045-37-67,39-12	87003481	9500-3481
SR35	90513839	128-5045-37-67,39-20	87003481	9500-3481
SR35	90513841	128-5045-39,39-20	87003488	9500-3488
SR35	90514720	128-5045-39-67,39-20	87004477	9500-4477
SR35	90513843	128-5048-37-67,39-20	87003486	9500-3486
SR35	90514150	128-5048-39,39-20	87004048	9500-4048
SR35	90514595	128-5051-24-45-67,39-20	87003493	9500-3493
SR35	90513842	128-5051-37-67,39-20	87003481	9500-3481
SR35	90514610	128-5051-39,39-06	87003486	9500-3486
SR35	90003658	128-5051-39-99,39-20	87003486	9500-3486
SR35	90513871	128-5054-37-67,39-20	87003486	9500-3486
SR35	90513870	128-5064-67,49-20	87003489	9500-3489
SR35	90513869	128-5076-42-24-67,49-20	87003951	9500-3951
SR35	90513848	128-5089-42-24,49-20	87003955	9500-3955
SR35	90513849	128-5089-42-24-67,49-20	87003955	9500-3955

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Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
SR35	90513850	128-5102-42-24,49-20	87003955	9500-3955
SR35	90513851	128-5102-42-24-67,49-20	87003955	9500-3955
SR35	90516569	128-6056-45-67,39-20	87004754	9500-4754
TC35				
TC35	90516337	169-6051-45-67,49-20	87003487	9500-3487
R38				
R38	90510304	104-5064,49-20	87003489	9500-3489
R38	90510318	104-5076,49-20	87003493	9500-3493
R38	90510323	104-5089,49-20	87003493	9500-3493
T38				
T38	90510305	135-5064,49-20	87003489	9500-3489
T38	90510316	135-5064-20,49-20	87003490	9500-3490
T38	90513748	135-5064-21,49-20	87003559	9500-3559
T38	90510348	135-5064-22,49-20	87003488	9500-3488
T38	90510309	135-5064-45,49-20	87003489	9500-3489
T38	90510365	135-5064-45-67,49-20	87003489	9500-3489
T38	90510413	135-5064-67,49-20	87003489	9500-3489
T38	90510350	135-5070-20,49-20	87003495	9500-3495
T38	90510319	135-5076,49-20	87003493	9500-3493
T38	90510321	135-5076-20,49-20	87003559	9500-3559
T38	90513749	135-5076-21,49-20	87003559	9500-3559
T38	90513760	135-5076-21-67,49-20	87003559	9500-3559
T38	90510354	135-5076-22,49-20	87003495	9500-3495
T38	90510366	135-5076-45,49-20	87003493	9500-3493
T38	90510312	135-5076-45-67,49-20	87003493	9500-3493
T38	90515235	135-5076-47,49-20	87004618	9500-4618
T38	90510324	135-5089,49-20	87003493	9500-3493
T38	90510417	135-5089-20,49-20	87003714	9500-3714
T38	90513763	135-5089-21-67,49-20	87003883	9500-3883
T38	90510367	135-5089-45,49-20	87003493	9500-3493
T38	90510329	135-5102,49-20	87003493	9500-3493
T38	90513776	135-5127-42-24,49-20	87003954	9500-3954
T38	90513775	135-5127-42-24-67,49-20	87003954	9500-3954
T38	90510307	135-6064,49-20	87003487	9500-3487
T38	90510347	135-6064-21,49-20	87003487	9500-3487
T38	90513805	135-6064-21-45-67,49-20	87003487	9500-3487
T38	90510524	135-6064-21-67,49-20	87003487	9500-3487
T38	90510311	135-6064-45,49-20	87003487	9500-3487
T38	90510368	135-6064-45-67,49-20	87003487	9500-3487
T38	90514631	135-6064-48-45-67,49-20	87003985	9500-3985
T38	90510306	135-6064-67,49-20	87003487	9500-3487
T38	90510352	135-6070,49-20	87003559	9500-3559
T38	90510707	135-6070-21,49-20	87003749	9500-3749
T38	90510384	135-6070-45-67,49-20	87003559	9500-3559
T38	90510351	135-6070-67,49-20	87003559	9500-3559
T38	90510330	135-6076,49-20	87003559	9500-3559
T38	90513806	135-6076-21,49-20	87003953	9500-3953
T38	90510810	135-6076-21-45,49-20	87003953	9500-3953
T38	90510811	135-6076-21-45-67,49-20	87003953	9500-3953
T38	90513807	135-6076-21-67,49-20	87003953	9500-3953
T38	90510369	135-6076-45,49-20	87003498	9500-3498
T38	90510370	135-6076-45-67,49-20	87003498	9500-3498

Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
T38	90510331	135-6076-67,49-20	87003559	9500-3559
T38	90510332	135-6089,49-20	87003559	9500-3559
T38	90513808	135-6089-21,49-20	87003500	9500-3500
T38	90513809	135-6089-21-67,49-20	87003500	9500-3500
T38	90510654	135-6089-45-67,49-20	87003500	9500-3500
T38	90510355	135-6089-67,49-20	87003559	9500-3559
T38	90513810	135-6102-21,49-20	87003500	9500-3500
T38	90513762	135-6102-21-67,49-20	87003500	9500-3500
SR38				
SR38	90516531	127-6054-45-67,39-20	87004754	9500-4754
T45				
T45	90510320	136-5076,49-20	87003493	9500-3493
T45	90510322	136-5076-20,49-20	87003559	9500-3559
T45	90513761	136-5076-21-45,49-20	87003559	9500-3559
T45	90510371	136-5076-45,49-20	87003493	9500-3493
T45	90510386	136-5076-45-67,49-20	87003493	9500-3493
T45	90510325	136-5089,49-20	87003493	9500-3493
T45	90513751	136-5089-21-45,49-20	87003883	9500-3883
T45	90510780	136-5089-21-67,49-20	87003883	9500-3883
T45	90510372	136-5089-45,49-20	87003493	9500-3493
T45	90510390	136-5089-45-67,49-20	87003493	9500-3493
T45	90510326	136-5102,49-20	87003493	9500-3493
T45	90510888	136-5102-21,49-20	87003713	9500-3713
T45	90510889	136-5102-21-67,49-20	87003713	9500-3713
T45	90510373	136-5102-45,49-20	87003493	9500-3493
T45	90513778	136-5127-42-24,49-20	87003954	9500-3954
T45	90513818	136-5152-42-24,49-20	87003954	9500-3954
T45	90510782	136-5152-42-24-67,49-20	87003954	9500-3954
T45	90510478	136-6070,49-20	87003559	9500-3559
T45	90510479	136-6070-45,49-20	87003559	9500-3559
T45	90510385	136-6070-45-67,49-20	87003559	9500-3559
T45	90510333	136-6076,49-20	87003559	9500-3559
T45	90513750	136-6076-21,49-20	87003953	9500-3953
T45	90510808	136-6076-21-45,49-20	87003953	9500-3953
T45	90510809	136-6076-21-45-67,49-20	87003953	9500-3953
T45	90510313	136-6076-45,49-20	87003498	9500-3498
T45	90510314	136-6076-45-67,49-20	87003498	9500-3498
T45	90510334	136-6076-67,49-20	87003559	9500-3559
T45	90510800	136-6076-99-45,49-20	87003498	9500-3498
T45	90510335	136-6089,49-20	87003559	9500-3559
T45	90513752	136-6089-21,49-20	87003500	9500-3500
T45	90510692	136-6089-21-45,49-20	87003500	9500-3500
T45	90510772	136-6089-21-45-67,49-20	87003500	9500-3500
T45	90510374	136-6089-45,49-20	87003500	9500-3500
T45	90510375	136-6089-45-67,49-20	87003500	9500-3500
T45	90510336	136-6089-67,49-20	87003559	9500-3559
T45	90510337	136-6102,49-20	87003559	9500-3559
T45	90513811	136-6102-21,49-20	87003500	9500-3500
T45	90510392	136-6102-45,49-20	87003500	9500-3500
T45	90510376	136-6102-45-67,49-20	87003500	9500-3500
T45	90510399	136-6115,49-20	87003500	9500-3500

**Indexing templates
for Secoroc BQ3, Jazz, BQ2 and BQ**

Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
TC45				
TC45	90515791	170-6064-48-67,49-20	87003985	9500-3985
T51				
T51	90510338	137-5089,49-20	87003493	9500-3493
T51	90510357	137-5089-20,49-20	87003884	9500-3884
T51	90510527	137-5089-21,49-20	87003883	9500-3883
T51	90513764	137-5089-21-45,49-20	87003883	9500-3883
T51	90510377	137-5089-45,49-20	87003493	9500-3493
T51	90510339	137-5102,49-20	87003493	9500-3493
T51	90510317	137-5102-20,49-20	87003714	9500-3714
T51	90510807	137-5102-21,49-20	87003713	9500-3713
T51	90510855	137-5102-21-45,49-20	87003713	9500-3713
T51	90510841	137-5102-21-45-67,49-20	87003713	9500-3713
T51	90514563	137-5102-22,49-20	87004053	9500-4053
T51	90510378	137-5102-45,49-20	87003493	9500-3493
T51	90515365	137-5102-47,49-20	87003952	9500-3952
T51	90510340	137-5115-20,49-20	87004036	9500-4036
T51	90510791	137-5115-20-45,49-20	87004036	9500-4036
T51	90510818	137-5115-21,49-20	87003713	9500-3713
T51	90510819	137-5115-21-67,49-20	87003713	9500-3713
T51	90510361	137-5127-20,49-20	87003561	9500-3561
T51	90510790	137-5127-20-45,49-20	87003561	9500-3561
T51	90513747	137-5127-21,49-20	87003713	9500-3713
T51	90510395	137-5140-36,49-20	87003560	9500-3560
T51	90510362	137-5152-21,49-20	87003560	9500-3560
T51	90510341	137-6089,49-20	87003559	9500-3559
T51	90513813	137-6089-21,49-20	87003500	9500-3500
T51	90510773	137-6089-21-45,49-20	87003500	9500-3500
T51	90510696	137-6089-21-45-67,49-20	87003500	9500-3500
T51	90513814	137-6089-21-67,49-20	87003500	9500-3500
T51	90510391	137-6089-45,49-20	87003500	9500-3500
T51	90510380	137-6089-45-67,49-20	87003500	9500-3500
T51	90510343	137-6102,49-20	87003559	9500-3559
T51	90510824	137-6102-21,49-20	87003500	9500-3500
T51	90510825	137-6102-21-45,49-20	87003500	9500-3500
T51	90513756	137-6102-21-67,49-20	87003500	9500-3500
T51	90510415	137-6102-45,49-20	87003500	9500-3500
T51	90510379	137-6102-45-67,49-20	87003500	9500-3500
T51	90510346	137-6102-67,49-20	87003559	9500-3559
T51	90510344	137-6115,49-20	87003500	9500-3500
T51	90510874	137-6115-21,49-20	87003952	9500-3952
T51	90510826	137-6115-21-45,49-20	87003750	9500-3750
T51	90510655	137-6115-45,49-20	87003500	9500-3500
T51	90510407	137-6115-67,49-20	87003500	9500-3500
T51	90510406	137-6127,49-20	87003500	9500-3500
T51	90513815	137-6127-21,49-20	87003500	9500-3500
T51	90513757	137-6127-21-45,49-20	87003500	9500-3500
T51	90510656	137-6127-45,49-20	87003500	9500-3500

Thread	Drill bit		Indexing template	
	Product No.	Product code	Product No.	Product code
T60				
T60	90515474	157-6102-50-45,49-20	87004577	9500-4577
T60	90515478	157-6102-44-67,49-20	87004578	9500-4578
T60	90515470	157-6115-41,49-20	87004576	9500-4576
T60	90516063	157-6115-44,49-20	87004578	9500-4578
T60	90515477	157-6115-44-67,49-20	87004578	9500-4578
T60	90515431	157-6127-41,49-20	87004576	9500-4576
T60	90515449	157-6127-44-67,49-20	87004578	9500-4578
T60	90515476	157-6127-50-45,49-20	87004580	9500-4580
T60	90515450	157-6140-41,49-20	87004576	9500-4576
T60	90515475	157-6140-44-67,49-20	87004578	9500-4578
T60	90515473	157-6152-41,49-20	87004576	9500-4576
ST58				
ST58	90510522	151-5089-21,49-20	87003883	9500-3883
ST58	90510789	151-5102-21,49-20	87003713	9500-3713
ST58	90513754	151-5152-42-24,49-20	87003954	9500-3954
ST58	90513887	151-6089-35-67,49-20	87003950	9500-3950
ST68				
ST68	90510494	152-5102-21,49-20	87003713	9500-3713
ST68	90510777	152-5102-21-67,49-20	87003713	9500-3713
ST68	90510701	152-5115-21-67,49-20	87003713	9500-3713
ST68	90509829	152-5115-36-20-67,39-06	87003500	9500-3500
ST68	90514048	152-6102-43-67,49-20	87004512	9500-4512
Taper bit				
11° H22				
11°	90509966	179-9038-27-67,39-20	87003908	9500-3908
12° H22				
12°	90512825	177-5033-34-67,39-20	87004513	9500-4513
12°	90509841	177-9032-17-67,39-20	87003711	9500-3711
12°	90509842	177-9033-17-67,39-20	87003711	9500-3711
12°	90509535	177-9035-27-67,39-20	87003710	9500-3710
12° H25				
12°	90514202	180-5036-99-67,39-20	87004741	9500-4741
Reaming bit				
6° reaming bit				
6°	90510459	175-5064,39-20	87003501	9500-3501
6°	90510460	175-5076,39-20	87003563	9500-3563
6°	90510461	175-5089,39-20	87003560	9500-3560
6,5° reaming bit				
6,5°	90510466	183-5064,39-20	87003501	9500-3501
12° reaming bit				
12°	90510174	187-5089-20,39-20	87003560	9500-3560
12°	90510468	187-5102,39-20	87003500	9500-3500
12°	90510469	187-5102-20,39-20	87003564	9500-3564
12°	90510470	187-5127,39-20	87003562	9500-3562

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 know-ledgeable 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 know-ledge, 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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87000795	144	87002813	148	87003965	146	90000990	72
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