



BK DRILLING TOP HAMMER TOOLS

CATALOGUE



BK DRILLING

TOP HAMMER TOOLS

PRODUCT CATALOGUE

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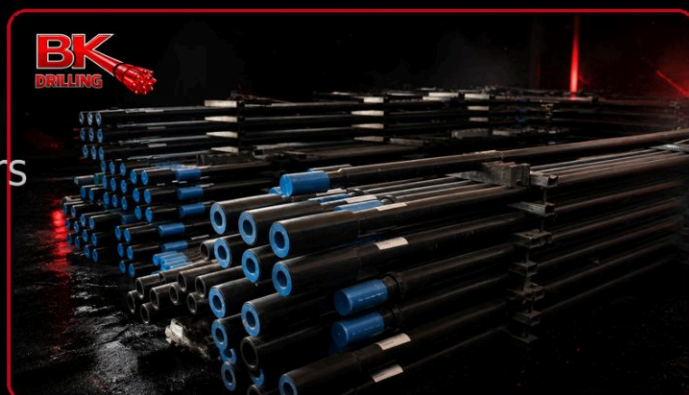
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BITS & BUTTON BITS

Threaded top
hammer drilling
tools



ABOUT US

BK DRILLING supplies top hammer drilling tools for mining, quarrying and construction applications. This catalogue presents the technical drawings and product tables for bits, rods, couplings, shanks, hammers and related components.

The technical information structure has been preserved while the visual identity has been rebuilt for BK DRILLING.

DURABILITY | PERFORMANCE | POWER

SHANKS & ADAPTERS

Precision tools for
reliable drilling
performance



DTH BITS

High-impact
down-the-hole
drilling solutions

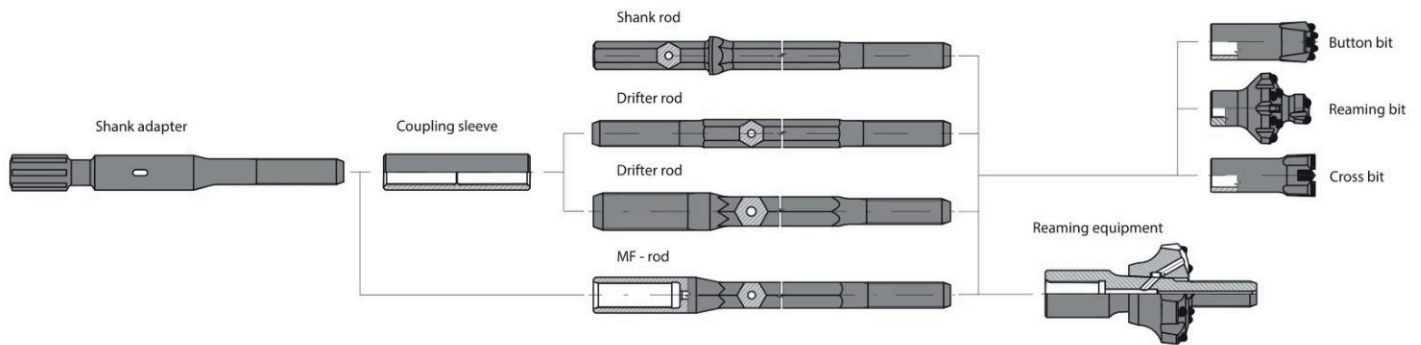


UNDERGROUND

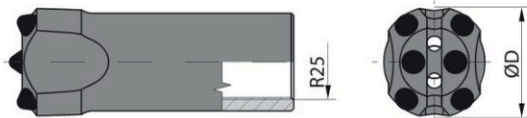
R25, R28, R32,
R38 and T38
series



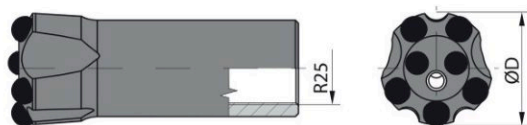
R-25 Bits



Button bit



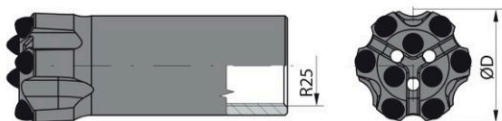
Button bit



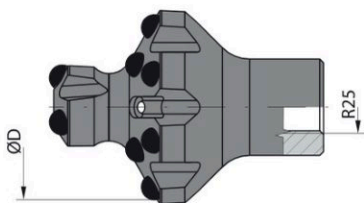
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
33	1 19/64	-	2 x 5	4 x 7	2 x 7	0,3	154969
33	1 19/64	-	2 x 5	4 x 7	2 x 7	0,3	128153
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,4	147945
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,4	148335
37	1 29/64	-	2 x 5	4 x 8	2 x 7	0,5	100704
37	1 29/64	-	2 x 5	4 x 8	2 x 7	0,5	121227
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,5	179662
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,5	156826
41	1 5/8	-	2 x 6	4 x 9	2 x 8	0,6	101334
41	1 5/8	-	2 x 6	4 x 9	2 x 8	0,6	162445
43	1 11/16	-	2 x 6	4 x 10	2 x 8	0,6	152624
43	1 11/16	-	2 x 6	4 x 10	2 x 8	0,6	185123
45	1 3/4	-	2 x 6	4 x 10	2 x 9	0,7	165365
45	1 3/4	-	2 x 6	4 x 10	2 x 9	0,7	142175
33	1 19/64	1 x 5	1 x 5	5 x 7	2 x 7	0,3	101878
33	1 16/64	1 x 5	1 x 5	5 x 7	2 x 7	0,3	142455
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,4	166741
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,4	108256
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	0,5	178152
37	1 28/64	1 x 6	1 x 5	5 x 8	2 x 7	0,5	182400
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,5	111443
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,5	190299
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,6	114009
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,6	107126
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	0,6	132793
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	0,6	138604
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	0,7	132129
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	0,7	130251

R-25 Bits

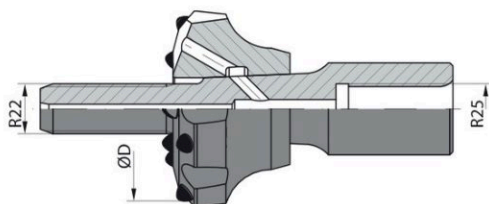
Button bit



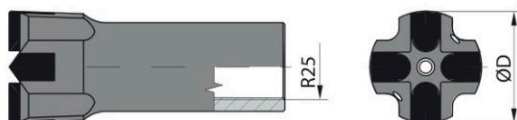
Reaming bit,



Reaming equipment,



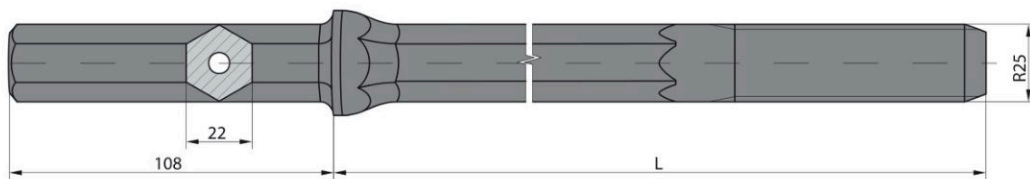
Cross bit,



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
35	1 3/8	-	3x5	6x7	3x7	0,4	161051
35	1 3/8	-	3x5	6x7	3x7	0,4	144366
37	1 29/64	1x5	3x5	6x7	3x7	0,5	126776
37	1 29/64	1x5	3x5	6x7	3x7	0,5	137558
38	1 1/2	1x5	3x5	6x7	3x7	0,6	151251
38	1 1/2	1x5	3x5	6x8	3x7	0,6	146415
41	1 5/8	1x5	3x5	6x8	3x7	0,6	170742
41	1 5/8	1x5	3x5	6x8	3x7	0,6	150713
43	1 11/16	1x5	3x6	6x9	3x8	0,7	155971
43	1 11/16	1x5	3x6	6x9	3x8	0,7	102018
45	1 3/4	1x5	3x6	6x10	3x8	0,8	162165
45	1 3/4	1x5	3x6	6x10	3x8	0,8	107149
48	1 7/8	1x5	3x6	6x10	3x9	0,8	168472
48	1 7/8	1x5	3x5	6x10	3x9	0,8	137359
51	2	1x5	3x5	6x10	3x9	0,9	193128
51	2	1x5	3x5	6x10	3x9	0,9	104441
64	2 1/2	-	4x5	8x9	7x8	1,7	151131
64	2 1/2	-	4x5	8x9	7x8	1,7	124174
76	3	-	4x5	8x10	7x9	2,1	114561
76	3	-	4x5	8x10	7x9	2,1	152574
89	3 1/2	-	4x5	8x12	7x10	2,5	142964
89	3 1/2	-	4x5	8x12	7x10	2,5	165318
102	4	-	4x5	8x13	7x13	2,9	186772
102	4	-	4x5	8x13	7x13	2,9	116150
64	2 1/2	-	2x5	8x9	4x8	2,1	199773
64	2 1/2	-	2x5	8x9	4x8	2,1	197447
76	3	-	2x5	8x10	4x10	2,5	150489
76	3	-	2x5	8x10	4x10	2,5	126651
89	3 1/2	-	2x5	8x10	6x10	3,0	131849
89	3 1/2	-	2x5	8x10	6x10	3,0	173887
105	4 5/32	-	2x5	8x12	4x12	3,5	195011
105	4 5/32	-	2x5	8x12	4x12	3,5	117412
35	1 3/8	2x5	1x4,5	-	-	0,4	162925
38	1 1/2	2x5	1x4,5	-	-	0,5	134580
41	1 5/8	2x5	1x4,5	-	-	0,6	189218
43	1 11/16	2x5	1x4,5	-	-	0,6	116573
45	1 3/4	2x5	1x4,5	-	-	0,7	193140
48	1 7/8	2x5	1x5	-	-	0,7	195177
51	2	2x5	1x5	-	-	0,8	184502

R-25 Rods

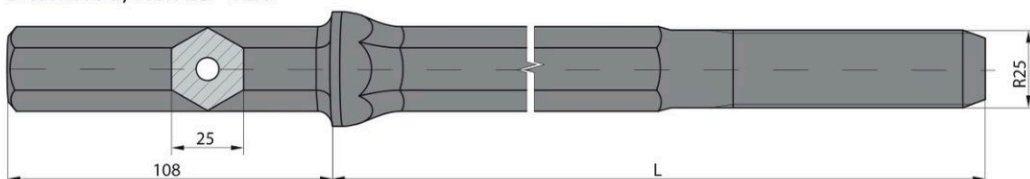
Shank rod, Hex 22 - R25



Flushing hole $\varnothing 6,7\text{mm}$ for flushing tube $\varnothing 4,5-5,0\text{mm}$

Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
22	7/8	R25	610	2	-	2,3	231785
22	7/8	R25	760	2	6	2,7	216079
22	7/8	R25	1000	3	3 1/2	3,5	207919
22	7/8	R25	1200	3	11	4,1	211660
22	7/8	R25	1600	5	3	5,3	200260
22	7/8	R25	1830	6	-	6,0	236634
22	7/8	R25	2400	7	10 1/2	7,7	200563
22	7/8	R25	3200	10	6	10,2	201637
22	7/8	R25	3660	12	-	11,6	207992
22	7/8	R25	4000	13	1 1/2	12,6	206244

Shank rod, Hex 25 - R25

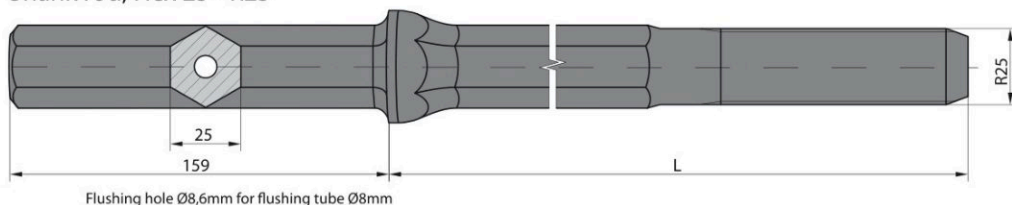


Flushing hole $\varnothing 8,6\text{mm}$ for flushing tube $\varnothing 8\text{mm}$

Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
25	1	R25	610	2	-	2,9	273136
25	1	R25	760	2	6	3,5	265280
25	1	R25	1000	3	3 1/2	4,4	224522
25	1	R25	1200	3	11	5,1	267176
25	1	R25	1600	5	3	6,7	266665
25	1	R25	1830	6	-	7,6	228277
25	1	R25	2400	7	10 1/2	9,8	237061
25	1	R25	3200	10	6	12,9	298352
25	1	R25	3660	12	-	14,3	257226
25	1	R25	4000	13	1 1/2	16,2	278937

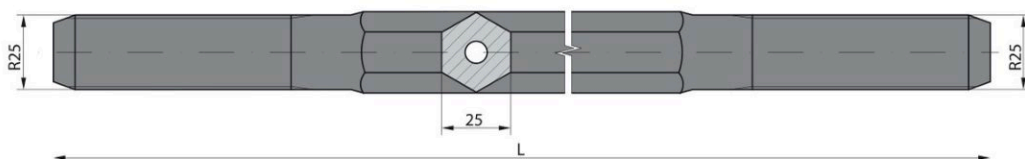
R-25 Rods

Shank rod, Hex 25 - R25



Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
25	1	R25	610	2	-	3,1	266424
25	1	R25	760	2	6	3,7	295760
25	1	R25	1000	3	3 ½	4,6	286136
25	1	R25	1200	3	11	5,3	264689
25	1	R25	1600	5	3	6,9	220186
25	1	R25	1830	6	-	7,8	281553
25	1	R25	2400	7	10 ½	10,0	210099
25	1	R25	3200	10	6	13,1	201299
25	1	R25	3660	12	-	14,5	217902
25	1	R25	4000	13	1 ½	16,4	285234

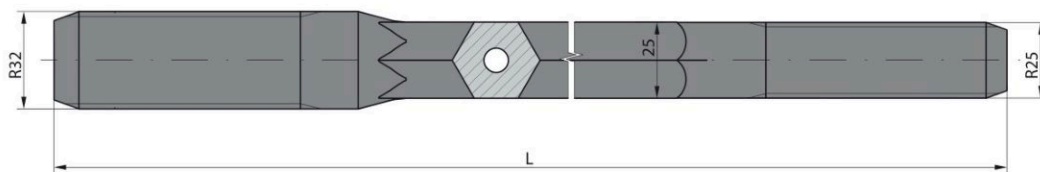
Drifter rod, R25 - Hex 25 - R25



Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
25	1	R25/R25	610	2	-	2,0	236381
25	1	R25/R25	915	3	-	3,2	255387
25	1	R25/R25	1220	4	-	4,3	204641
25	1	R25/R25	1525	5	-	5,4	264354
25	1	R25/R25	1830	6	-	6,5	255096
25	1	R25/R25	2435	8	-	8,7	216682
25	1	R25/R25	3050	10	-	10,8	276626
25	1	R25/R25	3660	12	-	13,8	202421

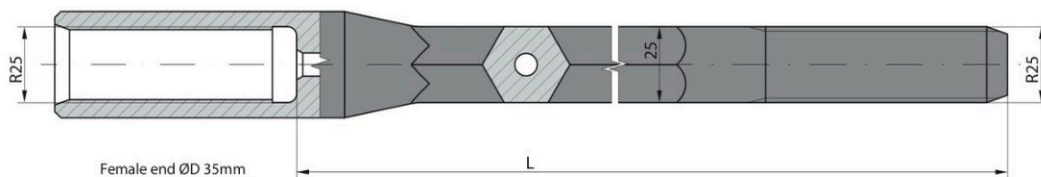
R-25 Rods

Drifter rod, R32 - Hex 25 - R25



Hex		Thread	Dimensions Length			Weight	Model
mm	inch		mm	ft	inch		
25	1	R32/R25	610	2	-	2,5	279343
25	1	R32/R25	915	3	-	3,7	240032
25	1	R32/R25	1220	4	-	4,8	228790
25	1	R32/R25	1525	5	-	6,0	264615
25	1	R32/R25	1830	6	-	7,2	218814
25	1	R32/R25	2435	8	-	9,5	251794
25	1	R32/R25	3050	10	-	11,9	231107
25	1	R32/R25	3660	12	-	14,3	269907
25	1	R32/R25	4000	13	1 ½	15,6	291203

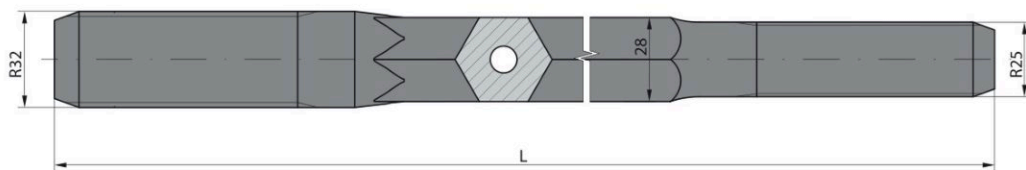
MF- rod, R25 - Hex 25 - R25



Hex		Thread	Dimensions Length			Weight	Model
mm	inch		mm	ft	inch		
25	1	R25/R25	610	2	-	2,8	265081
25	1	R25/R25	915	3	-	4,0	209245
25	1	R25/R25	1220	4	-	5,1	295788
25	1	R25/R25	1525	5	-	6,3	248778
25	1	R25/R25	1830	6	-	7,5	280106
25	1	R25/R25	2435	8	-	9,9	267994
25	1	R25/R25	3050	10	-	12,2	245417
25	1	R25/R25	3660	12	-	14,6	217327

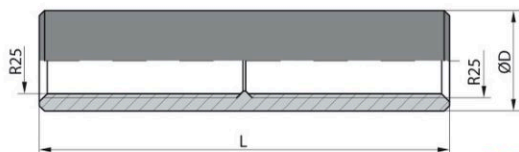
R-25 Rods

Drifter rod, R32 - Hex 28 - R25



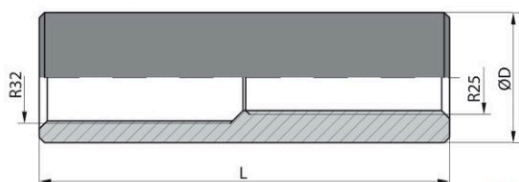
Hex		Thread	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
28	1 1/8	R32/R25	610	2	-	3,0	234722
28	1 1/8	R32/R25	915	3	-	4,5	211944
28	1 1/8	R32/R25	1220	4	-	6,1	295312
28	1 1/8	R32/R25	1525	5	-	7,6	263103
28	1 1/8	R32/R25	1830	6	-	9,1	284949
28	1 1/8	R32/R25	2435	8	-	12,2	280971
28	1 1/8	R32/R25	3050	10	-	15,3	293279
28	1 1/8	R32/R25	3660	12	-	18,4	211579
28	1 1/8	R32/R25	4000	13	1 1/2	20,1	205125

Coupling sleeve R25



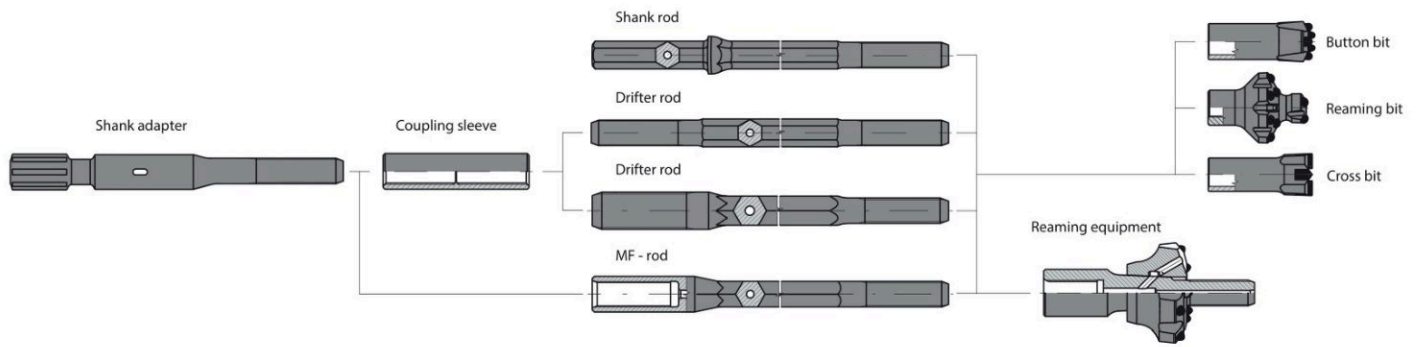
Diameter		Thread	Length		Weight kg	Model No
mm	inch		mm	inch		
34	1 5/16	R25/R25	140	5 29/32	0,7	382288

Coupling sleeve R32 - R25



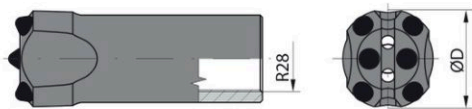
Diameter		Thread	Length		Weight kg	Model No
mm	inch		mm	inch		
44	1 47/64	R32/R25	150	5 29/32	1,2	320934

R-28 Bits

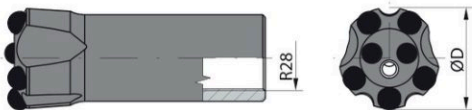


Diameter		Flushing Holes (mm)		Buttons (mm)		Weight kg	Model No
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
37	1 29/64	-	2 x 5	4 x 8	2 x 7	0,5	172114
37	1 29/64	-	2 x 5	4 x 8	2 x 7	0,5	163371
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,5	138649
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,5	159141
41	1 5/8	-	2 x 6	4 x 9	2 x 8	0,6	151822
41	1 5/8	-	2 x 6	4 x 9	2 x 8	0,6	175783
43	1 11/16	-	2 x 6	4 x 10	2 x 8	0,6	164668
43	1 11/16	-	2 x 6	4 x 10	2 x 8	0,6	192149
45	1 3/4	-	2 x 6	4 x 10	2 x 9	0,7	109545
45	1 3/4	-	2 x 6	4 x 10	2 x 9	0,7	172503
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	0,5	187876
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	0,5	184016
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,5	179713
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,5	131880
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,6	184195
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,6	184226
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	0,6	180251
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	0,6	126859
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	0,7	167512
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	0,7	128345
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	0,5	160594
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	0,5	194091
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,5	190532
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,5	169380
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,6	189168
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,6	184027
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,6	138829
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,6	174950
45	1 3/4	1 x 5	3 x 5	6 x 10	3 x 8	0,7	133897
45	1 3/4	1 x 5	3 x 5	6 x 10	3 x 8	0,7	176997
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	0,8	101134
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	0,8	132817
51	2	1 x 5	3 x 5	6 x 10	3 x 9	0,9	150973

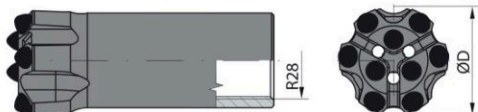
Button bit,



Button bit,

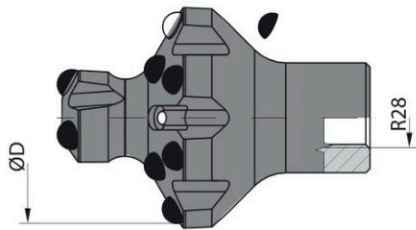


Button bit, Type D49

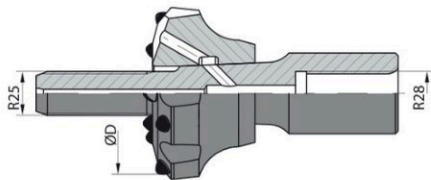


R-28 Bits

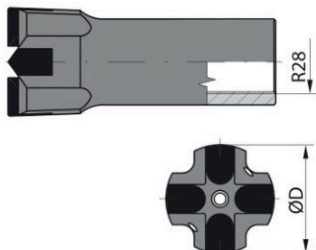
Reaming bit,



Reaming equipment,



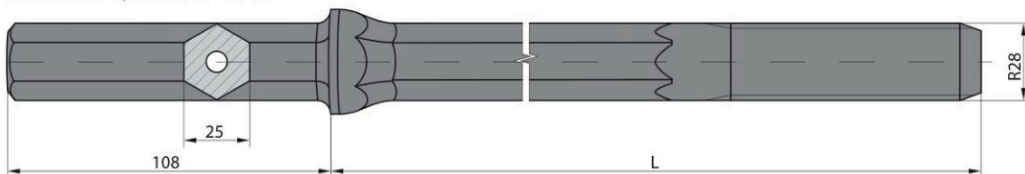
Cross bit, Type D42



Diameter		Flushing Holes (mm)		Buttons (mm)		kg	Model No
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size		
64	2 ½	-	4 x 5	8 x 9	7 x 8	1,7	103366
64	2 ½	-	4 x 5	8 x 9	7 x 8	1,7	186490
76	3	-	4 x 5	8 x 10	7 x 9	2,2	107731
76	3	-	4 x 5	8 x 10	7 x 9	2,2	151477
89	3 ½	-	4 x 5	8 x 12	7 x 10	2,6	140831
89	3 ½	-	4 x 5	8 x 12	7 x 10	2,6	136580
102	4	-	4 x 5	8 x 13	7 x 13	3,1	189290
102	4	-	4 x 5	8 x 13	7 x 13	3,1	144425
115	4 ½	-	4 x 6	8 x 14	7 x 13	3,9	194931
115	4 ½	-	4 x 6	8 x 14	7 x 13	3,9	103739
127	5	-	4 x 6	8 x 15	7 x 14	4,5	128880
127	5	-	4 x 6	8 x 15	7 x 14	4,5	183996
64	2 ½	-	2 x 5	8 x 9	2 x 7	2,3	132914
64	2 ½	-	2 x 5	8 x 9	2 x 7	2,3	104811
76	3	-	2 x 5	8 x 10	2 x 8	2,8	163687
76	3	-	2 x 5	8 x 10	2 x 8	2,8	113244
89	3 ½	-	2 x 5	8 x 10	2 x 8	3,6	137130
89	3 ½	-	2 x 5	8 x 10	2 x 8	3,6	104157
102	4	-	2 x 5	8 x 12	2 x 9	4,2	182629
102	4	-	2 x 5	8 x 12	2 x 9	4,2	197039
115	4 ½	-	2 x 5	8 x 12	3 x 7	5,7	139089
115	4 ½	-	2 x 5	8 x 12	3 x 7	5,7	180193
127	5	-	2 x 5	8 x 12	3 x 7	6,2	136995
127	5	-	2 x 5	8 x 12	3 x 7	6,2	151455
38	1 ½	2 x 5	2 x 5	-	-	0,5	169142
41	1 5/8	2 x 5	2 x 5	-	-	0,6	103971
43	1 11/16	2 x 5	2 x 5	-	-	0,6	133888
45	1 ¾	2 x 5	2 x 5	-	-	0,7	143574
48	1 7/8	2 x 5	2 x 5	-	-	0,7	129560
51	2	2 x 5	2 x 5	-	-	0,8	147825

R-28 Rods

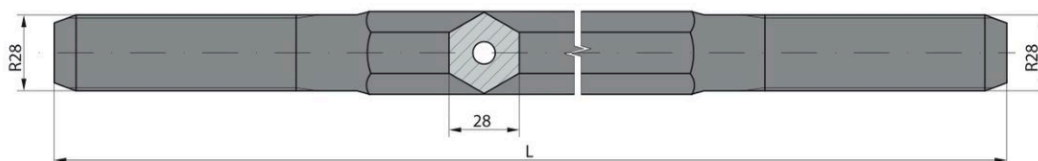
Shank rod, Hex 25- R28



Flushing hole Ø8,6mm for flushing tube Ø8mm

Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
25	1	R28	610	2	-	2,8	249285
25	1	R28	760	2	6	3,4	234635
25	1	R28	1000	3	3 ½	4,3	296915
25	1	R28	1220	4	-	5,2	275792
25	1	R28	1600	5	3	6,6	241124
25	1	R28	1830	6	-	7,5	225099
25	1	R28	2435	8	-	9,9	250919
25	1	R28	3050	10	-	12,3	292270

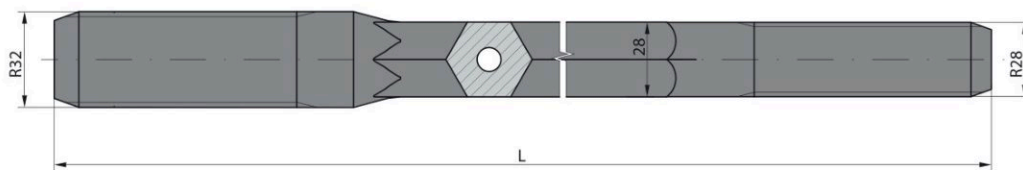
Drifter rod, R28 - Hex 28 - R28



Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
28	1 ⅛	R28/R28	1220	4	-	6,0	250300
28	1 ⅛	R28/R28	1525	5	-	7,5	260810
28	1 ⅛	R28/R28	1830	6	-	9,0	217856
28	1 ⅛	R28/R28	2435	8	-	12,1	258898
28	1 ⅛	R28/R28	3050	10	-	15,2	223233
28	1 ⅛	R28/R28	3660	12	-	18,3	271096
28	1 ⅛	R28/R28	4305	14	1 ½	21,5	253109

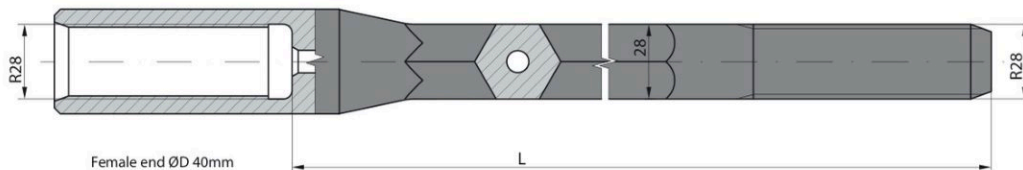
R-28 Rods

Drifter rod, R32 - Hex 28 - R28



Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
28	1 1/8	R32/R28	1220	4	-	6,3	223492
28	1 1/8	R32/R28	1525	5	-	7,8	246982
28	1 1/8	R32/R28	1830	6	-	9,3	272033
28	1 1/8	R32/R28	2435	8	-	12,4	290330
28	1 1/8	R32/R28	3050	10	-	15,5	270359
28	1 1/8	R32/R28	3660	12	-	18,6	238786
28	1 1/8	R32/R28	4305	14	1 1/2	21,8	206175

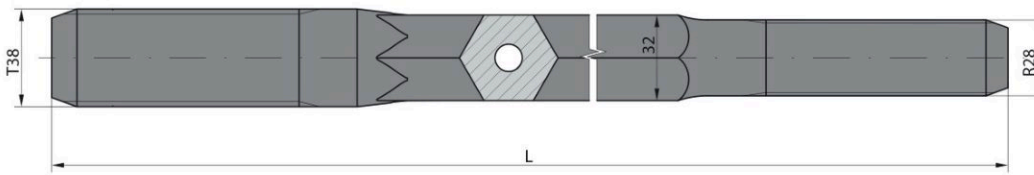
MF- rod, R28 - Hex 28 - R28



Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
28	1 1/8	R28/R28	1220	4	-	6,6	209926
28	1 1/8	R28/R28	1525	5	-	8,1	249913
28	1 1/8	R28/R28	1830	6	-	9,6	210686
28	1 1/8	R28/R28	2435	8	-	12,7	286902
28	1 1/8	R28/R28	3050	10	-	15,8	284444
28	1 1/8	R28/R28	3660	12	-	18,9	232227
28	1 1/8	R28/R28	4305	14	1 1/2	22,1	221866

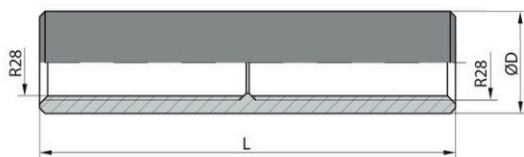
R-28 Rods, Couplings Sleeve

Drifter rod, T38 - Hex 32 - R28



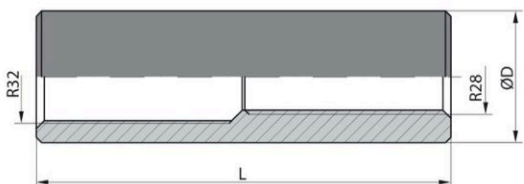
Hex		Thread	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	T38/R28	1830	6	-	11,7	280807
32	1 ¼	T38/R28	2435	8	-	15,5	244534
32	1 ¼	T38/R28	3050	10	-	19,5	286012
32	1 ¼	T38/R28	3660	12	-	23,4	281391
32	1 ¼	T38/R28	4305	14	1 ½	27,5	215666

Coupling sleeve R28



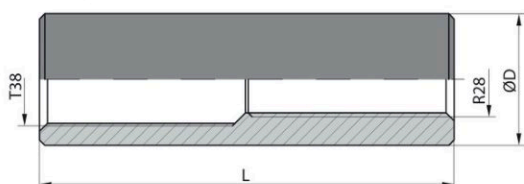
Diameter		Thread	Lenght		Weight kg	Model No
mm	inch		mm	inch		
38	1 ½	R28/R28	150	5 29/32	0,8	317279

Coupling sleeve R32 - R28



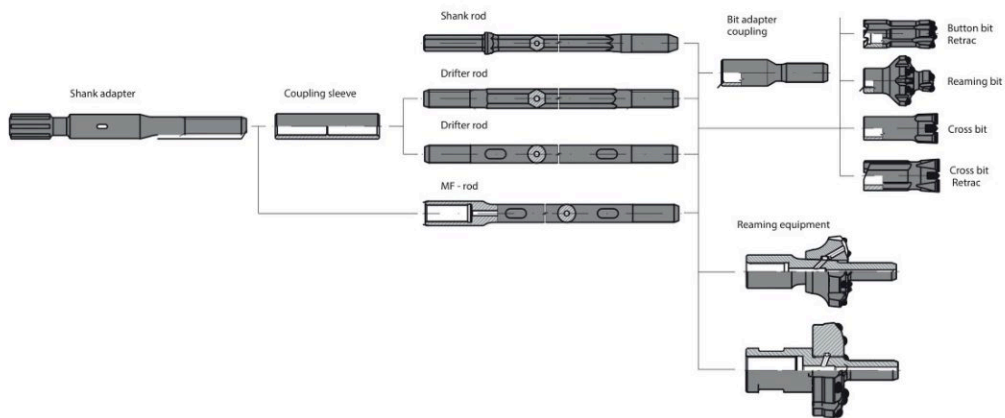
Diameter		Thread	Lenght		Weight kg	Model No
mm	inch		mm	inch		
44	1 47/64	R32/R28	150	5 29/32	1,2	331639

Coupling sleeve T38 - R28

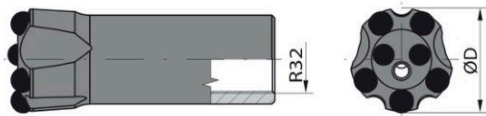


Diameter		Thread	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 5/32	T38/R28	165	6 ½	2,3	301707

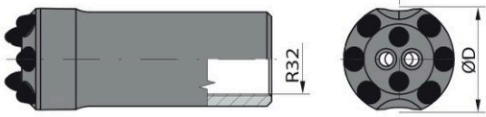
R-32 Bits



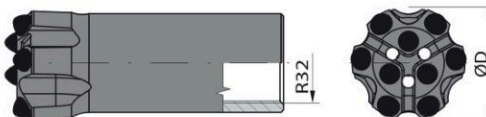
Button bit,



Button bit,



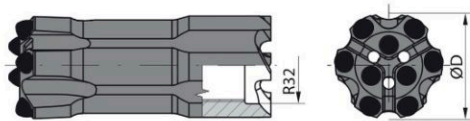
Button bit,



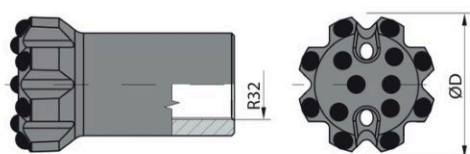
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	0,7	188249
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	0,7	165491
45	1 3/4	2 x 6	1 x 5	5 x 10	2 x 9	0,8	125532
45	1 3/4	2 x 6	1 x 5	5 x 10	2 x 9	0,8	183148
48	1 7/8	2 x 7	1 x 6	5 x 11	2 x 9	0,9	145869
48	1 7/8	2 x 7	1 x 6	5 x 11	2 x 9	0,9	111491
51	2	2 x 7	1 x 6	5 x 12	2 x 10	1,0	112934
51	2	2 x 7	1 x 6	5 x 12	2 x 10	1,0	144518
43	1 11/16	-	2 x 6	6 x 9	2 x 9	0,7	122763
43	1 11/16	-	2 x 6	6 x 9	2 x 9	0,7	193198
45	1 3/4	-	2 x 6	6 x 10	2 x 9	0,8	103845
45	1 3/4	-	2 x 6	6 x 10	2 x 9	0,8	198948
48	1 7/8	-	2 x 7	6 x 10	2 x 9	0,8	171168
48	1 7/8	-	2 x 7	6 x 10	2 x 9	0,8	166434
51	2	-	2 x 7	6 x 11	2 x 9	0,9	148304
51	2	-	2 x 7	6 x 11	2 x 9	0,9	195179
54	2 1/8	-	2 x 7	6 x 11	2 x 10	1,1	154049
54	2 1/8	-	2 x 7	6 x 11	2 x 10	1,1	132987
45	1 3/4	1 x 5	3 x 5	6 x 10	3 x 8	0,8	168796
45	1 3/4	1 x 5	3 x 5	6 x 10	3 x 8	0,8	148983
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	0,8	119550
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	0,8	179101
51	2	1 x 6	3 x 5	6 x 10	3 x 9	0,9	114602
51	2	1 x 6	3 x 5	6 x 10	3 x 9	0,9	154377
54	2 1/8	1 x 6	3 x 6	6 x 11	3 x 9	1,1	169575
54	2 1/8	1 x 6	3 x 6	6 x 11	3 x 9	1,1	137456
57	2 1/4	1 x 6	3 x 6	6 x 11	3 x 10	1,2	104399
57	2 1/4	1 x 6	3 x 6	6 x 11	3 x 10	1,2	134700
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	1,3	177565
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	1,3	102113
64	2 1/2	1 x 6	3 x 6	6 x 12	3 x 11	1,3	194290
64	2 1/2	1 x 6	3 x 6	6 x 12	3 x 11	1,3	

R-32 Bits

Button bit, Retrac,

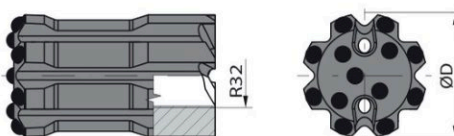


Button bit,

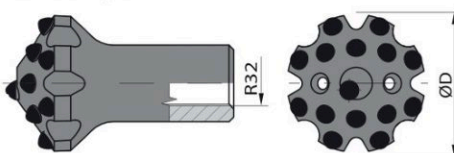


Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
51	2	1 x 6	3 x 5	6 x 10	3 x 9	1,3	141647
51	2	1 x 6	3 x 5	6 x 10	3 x 9	1,3	164717
54	2 1/8	1 x 6	3 x 6	6 x 11	3 x 9	1,5	138219
54	2 1/8	1 x 6	3 x 6	6 x 11	3 x 9	1,5	103537
57	2 1/4	1 x 6	3 x 6	6 x 11	3 x 10	1,7	137103
57	2 1/4	1 x 6	3 x 6	6 x 11	3 x 10	1,7	124681
61	1 13/32	1 x 6	3 x 6	6 x 12	3 x 10	2,0	116220
61	1 13/32	1 x 6	3 x 6	6 x 12	3 x 10	2,0	109155
64	2 1/2	1 x 6	3 x 6	6 x 12	3 x 11	2,3	136010
64	2 1/2	1 x 6	3 x 6	6 x 12	3 x 11	2,3	103238
64	2 1/2	-	2 x 8	8 x 11	4 x 10	1,6	102532
70	2 3/4	-	2 x 8	8 x 12	4 x 11	1,8	149813
76	3	-	2 x 8	8 x 12	4 x 12	2,4	107916
89	3 1/2	-	2 x 8	8 x 13	5 x 12	3,5	123860
102	4	-	2 x 9	8 x 14	6 x 13	4,2	146348

Button bit



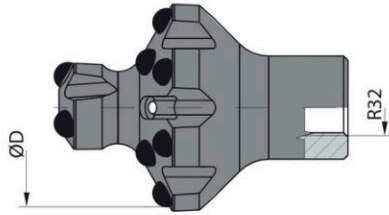
Reaming bit



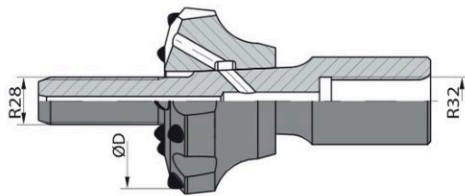
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
64	2 1/2	-	2 x 8	8 x 11	4 x 10	2,4	100637
70	2 3/4	-	2 x 8	8 x 12	4 x 11	2,9	168233
76	3	-	2 x 8	8 x 12	4 x 12	3,7	152858
89	3 1/2	-	2 x 8	8 x 13	5 x 12	5,4	102344
102	4	-	2 x 9	8 x 14	6 x 13	7,2	168402
76	3	-	2 x 8	8 x 12	7 x 11	2,5	191192
76	3	-	2 x 8	8 x 12	7 x 11	2,5	189400
89	3 1/2	-	2 x 8	8 x 12	7 x 12	3,6	124380
89	3 1/2	-	2 x 8	8 x 12	7 x 12	3,6	146061
102	4	-	2 x 9	8 x 13	9 x 13	4,8	124701
102	4	-	2 x 9	8 x 13	9 x 13	4,8	138351

R-32 Bits

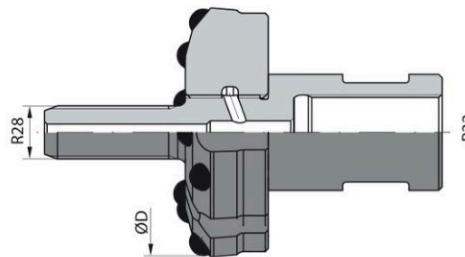
Reaming bit,



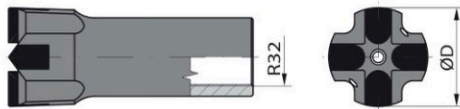
Reaming equipment



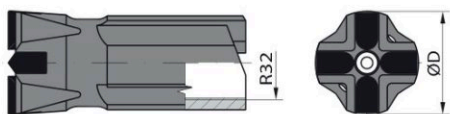
Reaming equipment



Cross bit



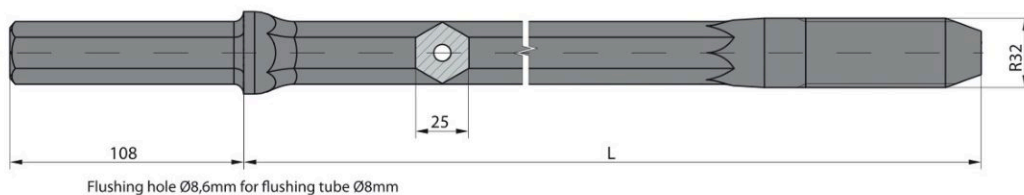
Cross bit, Retrac



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
76	3	-	4 x 6	8 x 10	7 x 9	1,3	138351
76	3	-	4 x 6	8 x 10	7 x 9	1,3	186604
89	3 ½	-	4 x 6	8 x 12	7 x 10	1,5	150678
89	3 ½	-	4 x 6	8 x 12	7 x 10	1,5	104531
102	4	-	4 x 7	8 x 13	7 x 13	1,7	174024
102	4	-	4 x 7	8 x 13	7 x 13	1,7	126811
115	4 ½	-	4 x 7	8 x 14	7 x 13	2,0	174793
115	4 ½	-	4 x 7	8 x 14	7 x 13	2,0	122719
64	2 ½	-	2 x 6	8 x 9	4 x 8	2,3	117744
64	2 ½	-	2 x 6	8 x 9	4 x 8	2,3	144162
76	3	-	2 x 6	8 x 10	4 x 10	2,8	128101
76	3	-	2 x 6	8 x 10	4 x 10	2,8	166880
89	3 ½	-	2 x 6	8 x 10	6 x 10	3,6	173403
89	3 ½	-	2 x 6	8 x 10	6 x 10	3,6	134739
102	4	-	2 x 6	8 x 12	4 x 12	4,3	156923
102	4	-	2 x 6	8 x 12	4 x 12	4,3	110479
115	4 ½	-	2 x 6	8 x 12	6 x 12	5,8	122822
115	4 ½	-	2 x 6	8 x 12	6 x 12	5,8	105311
115	4 ½	-	2 x 6	8 x 12	6 x 12	4,8	145917
115	4 ½	-	2 x 6	8 x 12	6 x 12	4,8	177036
127	5	-	2 x 7	8 x 13	8 x 12	5,4	177769
127	5	-	2 x 7	8 x 13	8 x 12	5,4	133536
43	1 11/16	2 x 6	1 x 5	-	-	0,7	183220
45	1 ¾	2 x 6	1 x 5	-	-	0,7	181636
48	1 7/8	2 x 6	1 x 6	-	-	0,8	118856
51	2	2 x 6	1 x 6	-	-	0,8	116532
54	2 1/8	2 x 6	1 x 6	-	-	0,9	186188
45	1 ¾	2 x 6	1 x 5	-	-	1,1	130860
48	1 7/8	2 x 6	1 x 6	-	-	1,2	190213
51	2	2 x 6	1 x 6	-	-	1,3	190338
54	2 1/8	2 x 6	1 x 6	-	-	1,5	139367
57	2 ¼	2 x 6	1 x 6	-	-	1,7	107018
64	2 ½	2 x 6	1 x 6	-	-	2,6	194589
76	3	2 x 6	1 x 6	-	-	3,8	102586

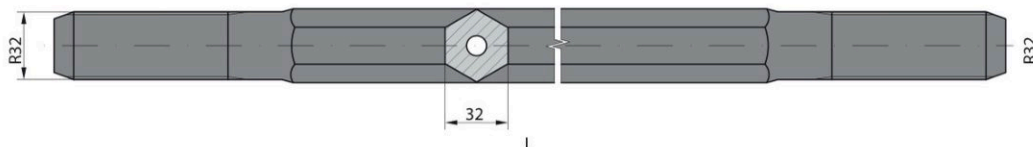
R-32 Rods

Shank rod, Hex 25 - R32



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
25	1	R32	610	2	-	3,0	270425
25	1	R32	760	2	6	3,5	228873
25	1	R32	1000	3	3 ½	4,5	242124
25	1	R32	1220	4	-	5,3	275934
25	1	R32	1600	5	3	6,8	290785
25	1	R32	1830	6	-	7,7	269433
25	1	R32	2435	8	-	10,0	215583
25	1	R32	3050	10	-	12,3	214007
25	1	R32	3660	12	-	14,8	247246

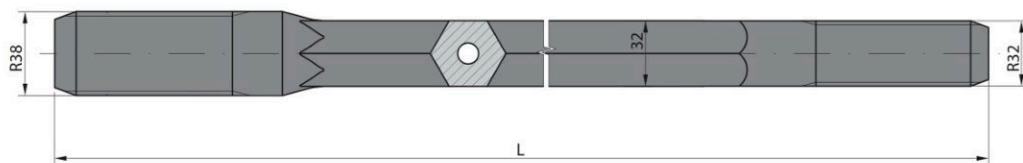
Drifter rod, R32 - Hex 32 - R32



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	R32/R32	915	3	-	5,6	259959
32	1 ¼	R32/R32	1000	3	3 ½	6,2	293057
32	1 ¼	R32/R32	1220	4	-	7,6	285420
32	1 ¼	R32/R32	1525	5	-	9,5	247692
32	1 ¼	R32/R32	1830	6	-	11,5	287528
32	1 ¼	R32/R32	2435	8	-	15,3	200600
32	1 ¼	R32/R32	3050	10	-	19,3	298710
32	1 ¼	R32/R32	3660	12	-	23,2	220922
32	1 ¼	R32/R32	4305	14	1 ½	27,3	264041
32	1 ¼	R32/R32	4915	16	-	31,2	282838
32	1 ¼	R32/R32	5490	18	-	34,8	250986

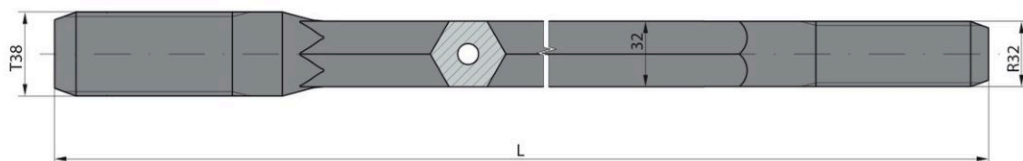
R-32 Rods

Drifter rod, R38 - Hex 32 - R32



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	R38/R32	915	3	-	5,8	262030
32	1 ¼	R38/R32	1000	3	3 ½	6,4	229197
32	1 ¼	R38/R32	1220	4	-	7,8	244602
32	1 ¼	R38/R32	1525	5	-	9,7	209652
32	1 ¼	R38/R32	1830	6	-	11,7	207373
32	1 ¼	R38/R32	2435	8	-	15,5	254266
32	1 ¼	R38/R32	3050	10	-	19,5	248238
32	1 ¼	R38/R32	3660	12	-	23,4	209949
32	1 ¼	R38/R32	4305	14	1 ½	27,5	209019
32	1 ¼	R38/R32	4915	16	-	31,4	289472
32	1 ¼	R38/R32	5490	18	-	35,0	265122

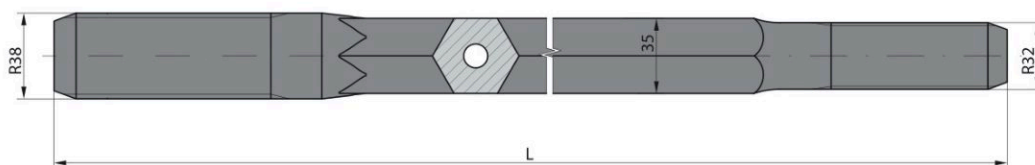
Drifter rod, T38 - Hex 32 - R32



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	T38/R32	915	3	-	5,8	262998
32	1 ¼	T38/R32	1000	3	3 ½	6,4	255292
32	1 ¼	T38/R32	1220	4	-	7,8	252475
32	1 ¼	T38/R32	1525	5	-	9,7	229491
32	1 ¼	T38/R32	1830	6	-	11,7	285060
32	1 ¼	T38/R32	2435	8	-	15,5	256055
32	1 ¼	T38/R32	3050	10	-	19,5	270132
32	1 ¼	T38/R32	3660	12	-	23,4	263452
32	1 ¼	T38/R32	4305	14	1 ½	27,5	238941
32	1 ¼	T38/R32	4915	16	-	31,4	230467
32	1 ¼	T38/R32	5490	18	-	35,0	261090

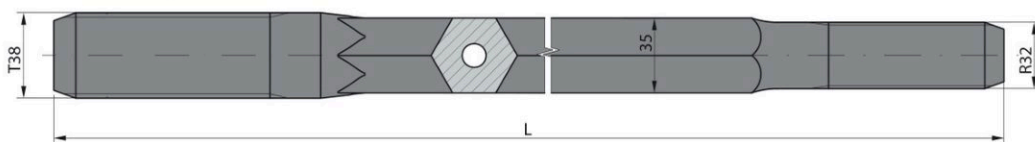
R-32 Rods

Drifter rod, R38 - Hex 35 - R32



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
35	1 3/8	R38/R32	915	3	-	7,2	218440
35	1 3/8	R38/R32	1000	3	3 1/2	7,9	289180
35	1 3/8	R38/R32	1220	4	-	9,6	273982
35	1 3/8	R38/R32	1525	5	-	12,0	290026
35	1 3/8	R38/R32	1830	6	-	14,4	288344
35	1 3/8	R38/R32	2435	8	-	19,2	284443
35	1 3/8	R38/R32	3050	10	-	24,0	259280
35	1 3/8	R38/R32	3660	12	-	28,8	227111
35	1 3/8	R38/R32	4305	14	-	33,9	214493
35	1 3/8	R38/R32	4915	16	1 1/2	38,7	227265
35	1 3/8	R38/R32	5490	18	-	43,3	282038

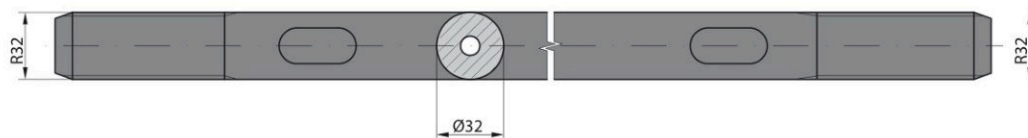
Drifter rod, T38 - Hex 35 - R32



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
35	1 3/8	T38/R32	915	3	-	7,2	242397
35	1 3/8	T38/R32	1000	3	3 1/2	7,9	209625
35	1 3/8	T38/R32	1220	4	-	9,6	232174
35	1 3/8	T38/R32	1525	5	-	12,0	255361
35	1 3/8	T38/R32	1830	6	-	14,4	215357
35	1 3/8	T38/R32	2435	8	-	19,2	252200
35	1 3/8	T38/R32	3050	10	-	24,0	290187
35	1 3/8	T38/R32	3660	12	-	28,8	262206
35	1 3/8	T38/R32	4305	14	1 1/2	33,9	244858
35	1 3/8	T38/R32	4915	16	-	38,7	223809
35	1 3/8	T38/R32	5490	18	-	43,3	272327

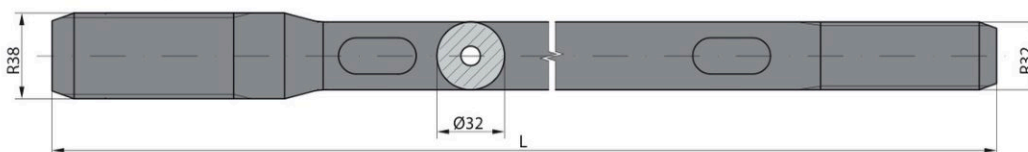
R-32 Rods

Drifter rod, R32 - Round 32 - R32



Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
32	1 ¼	R32/R32	915	3	-	5,2	297386
32	1 ¼	R32/R32	1000	3	3 ½	5,7	229993
32	1 ¼	R32/R32	1220	4	-	7,0	219460
32	1 ¼	R32/R32	1525	5	-	8,8	244186
32	1 ¼	R32/R32	1830	6	-	10,5	299805
32	1 ¼	R32/R32	2435	8	-	14,1	297451
32	1 ¼	R32/R32	3050	10	-	17,7	288112
32	1 ¼	R32/R32	3660	12	-	21,3	228981
32	1 ¼	R32/R32	4305	14	1 ½	25,1	243886
32	1 ¼	R32/R32	4915	16	-	28,7	235102
32	1 ¼	R32/R32	5490	18	-	32,0	272072

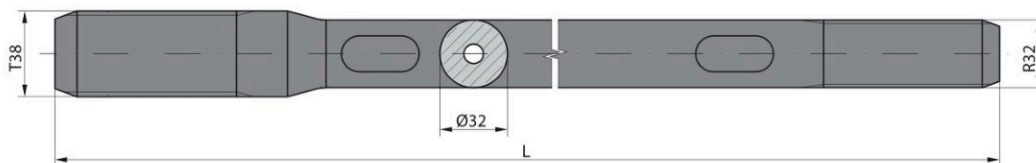
Drifter rod, R38 - Round 32 - R32



Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
32	1 ¼	T38/R32	915	3	-	5,3	287080
32	1 ¼	T38/R32	1000	3	3 ½	5,8	277581
32	1 ¼	T38/R32	1220	4	-	7,1	288902
32	1 ¼	T38/R32	1525	5	-	8,9	228198
32	1 ¼	T38/R32	1830	6	-	10,6	224266
32	1 ¼	T38/R32	2435	8	-	14,2	223518
32	1 ¼	T38/R32	3050	10	-	17,8	260596
32	1 ¼	T38/R32	3660	12	-	21,4	269199
32	1 ¼	T38/R32	4305	14	1 ½	25,2	276994
32	1 ¼	T38/R32	4915	16	-	28,8	289464
32	1 ¼	T38/R32	5490	18	-	32,1	286161

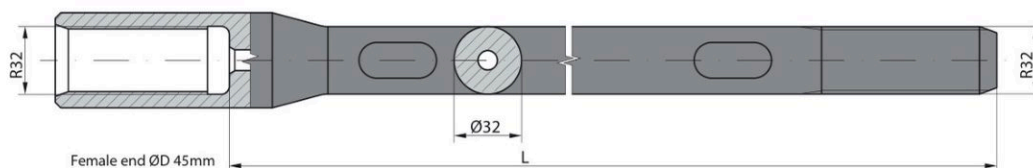
R-32 Rods

Drifter rod, T38 - Round 32 - R32



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	T38/R32	915	3	-	5,3	297987
32	1 ¼	T38/R32	1000	3	3 ½	5,8	206736
32	1 ¼	T38/R32	1220	4	-	7,1	295614
32	1 ¼	T38/R32	1525	5	-	8,9	213405
32	1 ¼	T38/R32	1830	6	-	10,6	209048
32	1 ¼	T38/R32	2435	8	-	14,2	276755
32	1 ¼	T38/R32	3050	10	-	17,8	238797
32	1 ¼	T38/R32	3660	12	-	21,4	269245
32	1 ¼	T38/R32	4305	14	-	25,2	285777
32	1 ¼	T38/R32	4915	16	1 ½	28,8	256986
32	1 ¼	T38/R32	5490	18	-	32,1	285637

MF - rod, R32 - Round 32 - R32



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	R32/R32	915	3	-	5,4	297316
32	1 ¼	R32/R32	1000	3	3 ½	5,9	214855
32	1 ¼	R32/R32	1220	4	-	7,2	215545
32	1 ¼	R32/R32	1525	5	-	9,0	299884
32	1 ¼	R32/R32	1830	6	-	10,7	222473
32	1 ¼	R32/R32	2435	8	-	14,3	239906
32	1 ¼	R32/R32	3050	10	-	17,9	234329
32	1 ¼	R32/R32	3660	12	-	21,5	222562
32	1 ¼	R32/R32	4305	14	1 ½	25,3	248300
32	1 ¼	R32/R32	4915	16	-	28,9	236448
32	1 ¼	R32/R32	5490	18	-	32,2	206340

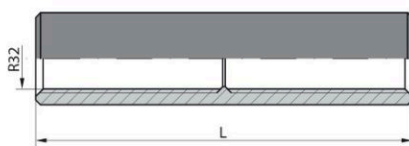
R-32 Rods, Couplings Sleeve, Bit Adapters

MF - rod, T38 - Hex 35 - R32



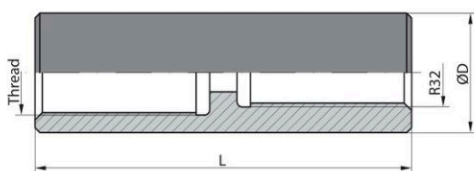
Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
35	1 3/8	T38/R32	915	3	-	7,4	286729
35	1 3/8	T38/R32	1000	3	3 1/2	8,1	265222
35	1 3/8	T38/R32	1220	4	-	9,8	234769
35	1 3/8	T38/R32	1525	5	-	12,2	209627
35	1 3/8	T38/R32	1830	6	-	14,7	244446
35	1 3/8	T38/R32	2435	8	-	19,4	286462
35	1 3/8	T38/R32	3050	10	-	24,3	297868
35	1 3/8	T38/R32	3660	12	-	29,1	219856
35	1 3/8	T38/R32	4305	14	1 1/2	34,2	280460
39,05	1 3/8	T38/R32	4915	16	-	39,0	243574

Coupling sleeve R32



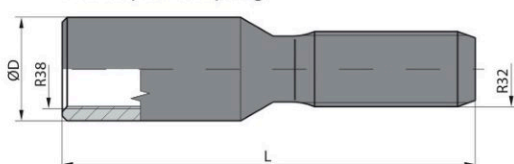
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
44	1 47/64	R32/R32	150	5 29/32	0,9	367831

Coupling sleeve



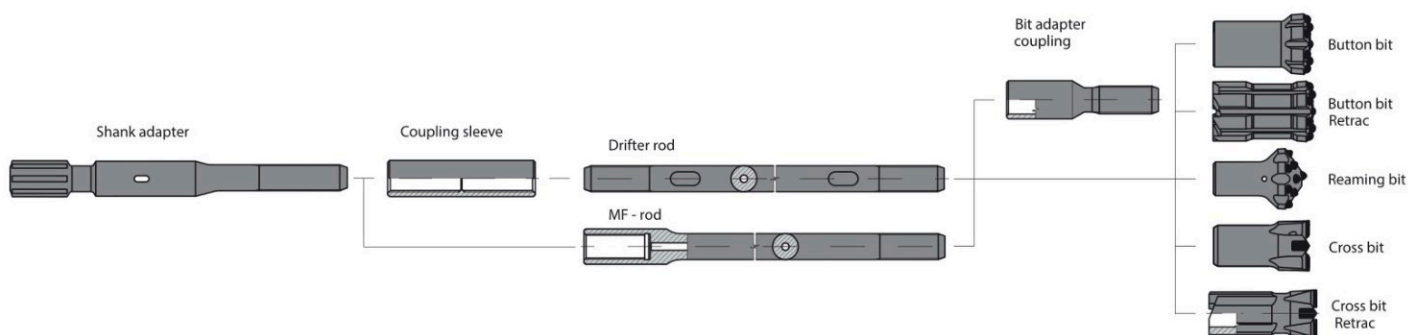
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 5/32	R38/R32	170	6 3/4	2,1	309587
55	2 5/32	T38/R32	185	7 9/32	2,3	373059
62	2 1/2	T45/R32	185	7 9/32	3,3	302896

Bit adapter coupling

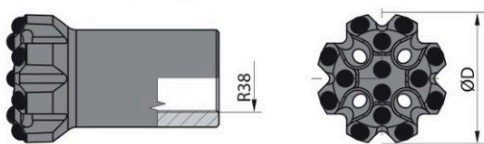


Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 5/32	R38/R32	230	9	2,4	309355

R-38 Bits



Button bit, Drop center



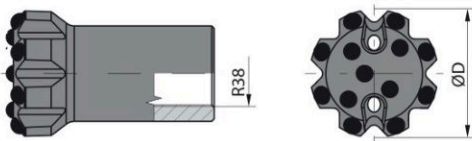
Button bit, Drop center, Retrac



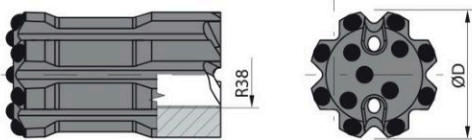
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 1/2	-	4 x 8	8 x 10	5 x 9	1,7	105459
64	2 1/2	-	4 x 8	8 x 10	5 x 9	1,7	141573
70	2 3/4	-	4 x 8	8 x 11	5 x 10	1,8	115913
70	2 3/4	-	4 x 8	8 x 11	5 x 10	1,8	167214
76	3	-	4 x 8	8 x 12	5 x 11	2,4	105384
76	3	-	4 x 8	8 x 12	5 x 11	2,4	168552
89	3 1/2	-	4 x 9	8 x 13	5 x 12	3,5	172937
89	3 1/2	-	4 x 9	8 x 13	5 x 12	3,5	120455
102	4	-	4 x 9	8 x 14	6 x 13	4,2	140603
102	4	-	4 x 9	8 x 14	6 x 13	4,2	167081
64	2 1/2	-	4 x 8	8 x 10	5 x 9	2,2	185258
64	2 1/2	-	4 x 8	8 x 10	5 x 9	2,2	183733
70	2 3/4	-	4 x 8	8 x 11	5 x 10	3,0	160487
70	2 3/4	-	4 x 8	8 x 11	5 x 10	3,0	194749
76	3	-	4 x 8	8 x 12	5 x 11	3,6	188114
76	3	-	4 x 8	8 x 12	5 x 11	3,6	188603

R-38 Bits

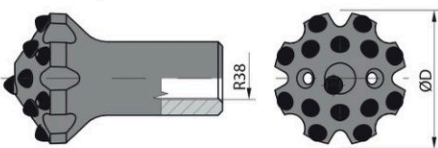
Button bit, Heavy Duty



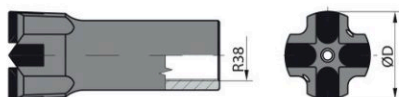
Button bit, Retrac, Heavy Duty



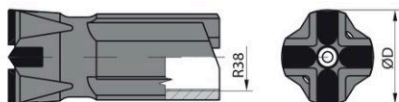
Reaming bit,



Cross bit



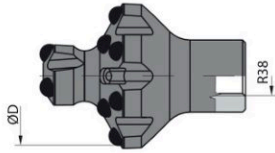
Cross bit, Retrac, Type D52



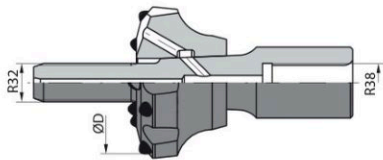
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	2 x 8	8 x 11	4 x 10	1,7	190384
70	2 ¾	-	2 x 9	8 x 12	4 x 11	1,8	106960
76	3	-	2 x 10	8 x 12	4 x 12	2,4	157166
89	3 ½	-	2 x 11	8 x 13	5 x 12	3,5	103514
102	4	-	2 x 11	8 x 14	6 x 13	4,2	175601
64	2 ½	-	2 x 8	8 x 11	4 x 10	2,2	120047
70	2 ¾	-	2 x 9	8 x 12	4 x 11	3,0	128235
76	3	-	2 x 10	8 x 12	4 x 12	3,6	161359
89	3 ½	-	2 x 11	8 x 13	5 x 12	5,1	185034
102	4	-	2 x 11	8 x 14	6 x 13	7,2	109755
76	3	-	2 x 9	8 x 12	7 x 11	2,6	140824
76	3	-	2 x 9	8 x 12	7 x 11	2,6	171394
89	3 ½	-	2 x 9	8 x 12	7 x 12	3,7	127481
89	3 ½	-	2 x 9	8 x 12	7 x 12	3,7	182693
102	4	-	2 x 10	8 x 13	9 x 13	4,9	137281
102	4	-	2 x 10	8 x 13	9 x 13	4,9	155121
115	4 ½	-	2 x 11	8 x 14	9 x 13	6,5	170836
115	4 ½	-	2 x 11	8 x 14	9 x 13	6,5	133487
127	5	-	2 x 11	8 x 15	9 x 14	7,9	177804
127	5	-	2 x 11	8 x 15	9 x 14	7,9	108970
64	2 ½	2 x 7	1 x 8	-	-	1,8	183667
76	3	2 x 8	1 x 10	-	-	2,4	130796
89	3 ½	2 x 9	1 x 10	-	-	3,5	189826
76	1 ¾	2 x 8	1 x 10	-	-	3,6	122880
89	1 7/8	2 x 9	1 x 10	-	-	5,1	151322
102	2	2 x 9	1 x 11	-	-	7,2	169434

R-38 Bits, Rods

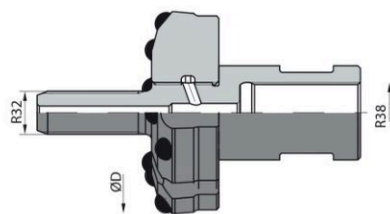
Reaming bit



Reaming equipment

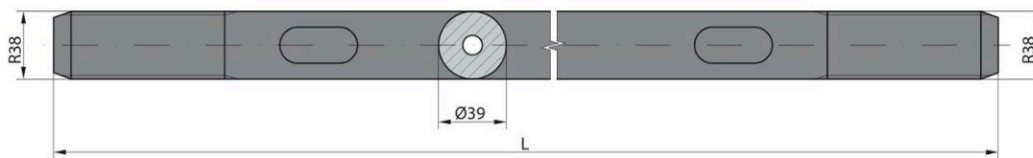


Reaming equipment



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
89	3 1/2	-	4 x 6	8 x 12	7 x 10	2,7	184720
89	3 1/2	-	4 x 6	8 x 12	7 x 10	2,7	157948
102	4	-	4 x 7	8 x 13	7 x 13	3,2	112326
102	4	-	4 x 7	8 x 13	7 x 13	3,2	168670
115	4 1/2	-	4 x 7	8 x 14	7 x 13	4,0	134192
115	4 1/2	-	4 x 7	8 x 14	7 x 13	4,0	197275
89	3 1/2	-	2 x 6	8 x 10	6 x 10	3,8	199973
89	3 1/2	-	2 x 6	8 x 10	6 x 10	3,8	191702
102	4	-	2 x 7	8 x 12	4 x 12	4,5	131399
102	4	-	2 x 7	8 x 12	4 x 12	4,5	100285
115	4 1/2	-	2 x 7	8 x 12	6 x 12	5,1	137704
115	4 1/2	-	2 x 7	8 x 12	6 x 12	5,1	110552
115	4 1/2	-	2 x 7	8 x 12	6 x 12	5,1	135197
115	4 1/2	-	2 x 7	8 x 12	6 x 12	5,1	154212
127	5	-	2 x 8	8 x 13	8 x 13	5,7	111100
127	5	-	2 x 8	8 x 13	8 x 13	5,7	150124

Drifter rod, R38 - Round 39 - R38



Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
39	1 1/2	R38/R38	915	3	-	7,2	215491
39	1 1/2	R38/R38	1000	3	3 1/2	7,9	222293
39	1 1/2	R38/R38	1220	4	-	9,8	225731
39	1 1/2	R38/R38	1525	5	-	12,2	201416
39	1 1/2	R38/R38	1830	6	-	14,7	216257
39	1 1/2	R38/R38	2435	8	-	19,6	283905
39	1 1/2	R38/R38	3050	10	-	24,5	204022
39	1 1/2	R38/R38	3660	12	-	29,5	291655
39	1 1/2	R38/R38	4305	14	1 1/2	34,7	238131
39	1 1/2	R38/R38	4915	16	-	39,6	283075
39	1 1/2	R38/R38	5490	18	-	44,4	231944

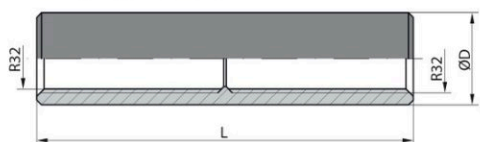
R-38 Rods

MF - rod, T38 - Hex 35 - R32



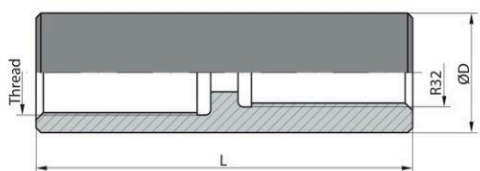
Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
39	1 ½	R38/R38	915	3	-	7,9	218956
39	1 ½	R38/R38	1000	3	3 ½	8,6	246348
39	1 ½	R38/R38	1220	4	-	10,4	256160
39	1 ½	R38/R38	1525	5	-	12,8	214961
39	1 ½	R38/R38	1830	6	-	15,3	255699
39	1 ½	R38/R38	2435	8	-	20,2	273397
39	1 ½	R38/R38	3050	10	-	25,1	228157
39	1 ½	R38/R38	3660	12	-	30,1	232110
39	1 ½	R38/R38	4305	14	1 ½	35,3	273153
39	1 ½	R38/R38	4915	16	-	40,2	274389
39	1 ½	R38/R38	5490	18	-	44,9	269893

Coupling sleeve R32



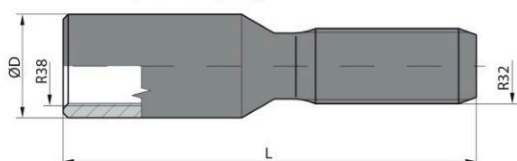
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 ^{5/32}	R38/R38	160	6 ^{5/16}	1,6	384430

Coupling sleeve



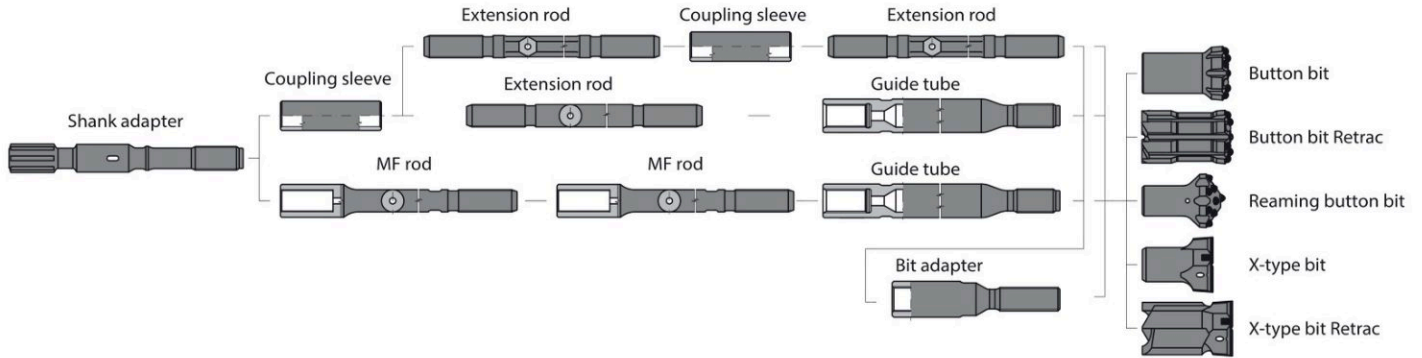
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 ^{5/32}	T38/R38	190	7 ½	2,2	389567
62	2 ½	T45/R38	190	7 ½	3,2	343781

Bit adapter coupling



Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 ^{5/32}	T38/R38	200	7 ⅞	2,8	338273

T38 Bits



Button bit – DROP CENTER



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 1/2	-	4 x 8	8 x 10	5 x 9	1,8	130304
64	2 1/2	-	4 x 8	8 x 10	5 x 9	1,8	194458
70	2 3/4	-	4 x 8	8 x 11	5 x 10	2,2	153106
70	2 3/4	-	4 x 8	8 x 11	5 x 10	2,2	136118
76	3	-	4 x 8	8 x 12	5 x 11	2,5	147531
76	3	-	4 x 8	8 x 12	5 x 11	2,5	113439
89	3 1/2	-	4 x 8	8 x 13	5 x 12	3,4	114175
89	3 1/2	-	4 x 8	8 x 13	5 x 12	3,4	105491
102	4	-	4 x 8	8 x 13	6 x 13	4,7	110634
102	4	-	4 x 8	8 x 13	6 x 13	4,7	105634
R - Spherical S - Semi Ballistic							

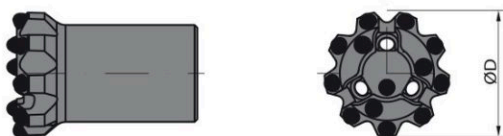
Button bit – DROP CENTER – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 1/2	-	4 x 8	8 x 10	5 x 9	2,2	126797
64	2 1/2	-	4 x 8	8 x 10	5 x 9	2,2	188831
70	2 3/4	-	4 x 8	8 x 11	5 x 10	2,8	153025
70	2 3/4	-	4 x 8	8 x 11	5 x 10	2,8	141166
76	3	-	4 x 8	8 x 12	5 x 11	3,6	135616
76	3	-	4 x 8	8 x 12	5 x 11	3,6	145959
89	3 1/2	-	4 x 9	8 x 13	5 x 12	5,5	124214
89	3 1/2	-	4 x 9	8 x 13	5 x 12	5,5	148070
102	4	-	4 x 9	8 x 13	6 x 13	7,3	127955
102	4	-	4 x 9	8 x 13	6 x 13	7,3	128057
R - Spherical S - Semi Ballistic							

T38 Bits

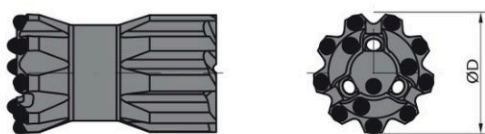
Button bit – DROP CENTER



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	3 x 8	9 x 10	4 x 9	1,8	134220
64	2 ½	-	3 x 8	9 x 10	4 x 9	1,8	165954
70	2 ¾	-	3 x 8	9 x 11	4 x 10	2,1	135454
70	2 ¾	-	3 x 8	9 x 11	4 x 10	2,1	108223
76	3	-	3 x 9	9 x 12	4 x 10	2,4	170956
76	3	-	3 x 9	9 x 12	4 x 10	2,4	157378
89	3 ½	-	3 x 10	9 x 13	4 x 11	3,3	187054
89	3 ½	-	3 x 10	9 x 13	4 x 11	3,3	107706
102	4	-	3 x 10	9 x 14	5 x 12	3,3	125047
102	4	-	3 x 10	9 x 14	5 x 12	3,3	182128

R - Spherical S - Semi Ballistic

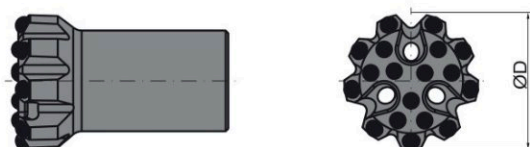
Button bit – DROP CENTER – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	3 x 8	9 x 10	4 x 9	2,1	171499
64	2 ½	-	3 x 8	9 x 10	4 x 9	2,1	153863
70	2 ¾	-	3 x 8	9 x 11	4 x 10	2,6	135213
70	2 ¾	-	3 x 8	9 x 11	4 x 10	2,6	195607
76	3	-	3 x 9	9 x 12	4 x 10	3,4	162040
76	3	-	3 x 9	9 x 12	4 x 10	3,4	115413
89	3 ½	-	3 x 10	9 x 13	4 x 11	4,9	183868
89	3 ½	-	3 x 10	9 x 13	4 x 11	4,9	116687
102	4	-	3 x 10	9 x 14	5 x 12	6,7	102095
102	4	-	3 x 10	9 x 14	5 x 12	6,7	135612

R - Spherical S - Semi Ballistic

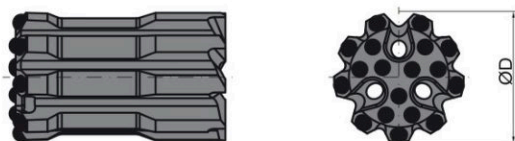
Button bit - FLAT FACE



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
64	2 ½	-	3 x 8	9 x 10	8 x 8	1,9	143653
64	2 ½	-	3 x 8	9 x 10	8 x 8	1,9	141335
76	3	-	3 x 9	9 x 12	8 x 10	2,5	180922
76	3	-	3 x 9	9 x 12	8 x 10	2,5	177443
89	3 ½	-	3 x 10	9 x 13	8 x 11	3,5	179191
89	3 ½	-	3 x 10	9 x 13	8 x 11	3,5	103221
102	4	-	3 x 10	9 x 14	8 x 12	4,9	138287
102	4	-	3 x 10	9 x 14	8 x 12	4,9	117760

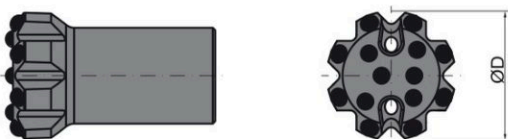
T38 Bits

Button bit – FLAT FACE – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	3 x 8	9 x 10	8 x 8	2,4	168863
64	2 ½	-	3 x 8	9 x 10	8 x 8	2,4	100886
76	3	-	3 x 9	9 x 12	8 x 10	3,7	175436
76	3	-	3 x 9	9 x 12	8 x 10	3,7	115583
89	3 ½	-	3 x 10	9 x 13	9 x 11	5,6	118186
89	3 ½	-	3 x 10	9 x 13	9 x 11	5,6	142399
102	4	-	3 x 10	9 x 14	9 x 12	7,4	105370
102	4	-	3 x 10	9 x 14	9 x 12	7,4	148306
R - Spherical S - Semi Ballistic							

Button bit – FLAT FACE – Heavy Duty



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	2 x 9	8 x 11	4 x 10	1,9	199471
70	2 ¾	-	2 x 9	8 x 12	4 x 11	2,3	189285
76	3	-	2 x 10	8 x 13	4 x 12	2,5	191972
89	3 ½	-	2 x 11	8 x 14	5 x 13	3,6	100610
102	4	-	2 x 11	8 x 15	6 x 14	5,0	141195
R - Spherical							

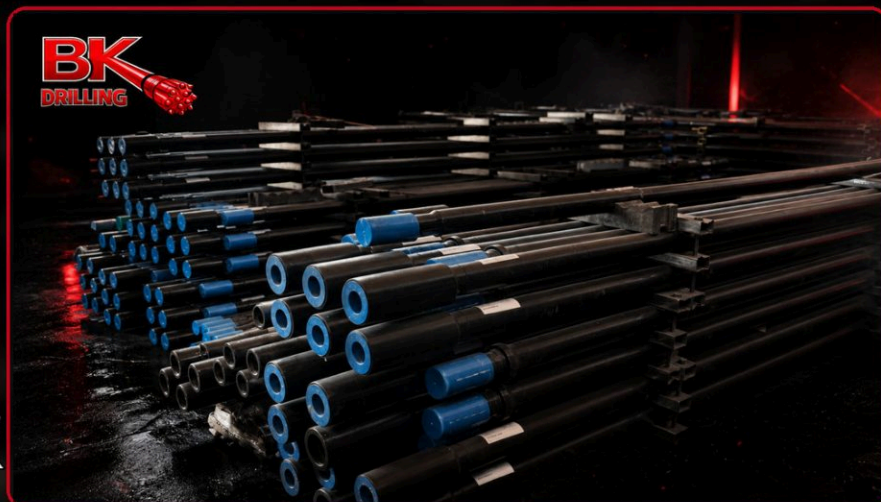
Button bit – FLAT FACE – Heavy Duty - RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	-	2 x 9	8 x 11	4 x 10	2,4	126156
70	2 ¾	-	2 x 9	8 x 12	4 x 11	3,1	147473
76	3	-	2 x 10	8 x 13	4 x 12	3,7	117571
89	3 ½	-	2 x 11	8 x 14	5 x 13	5,5	140054
102	4	-	2 x 11	8 x 15	6 x 14	7,4	155649
R - Spherical							

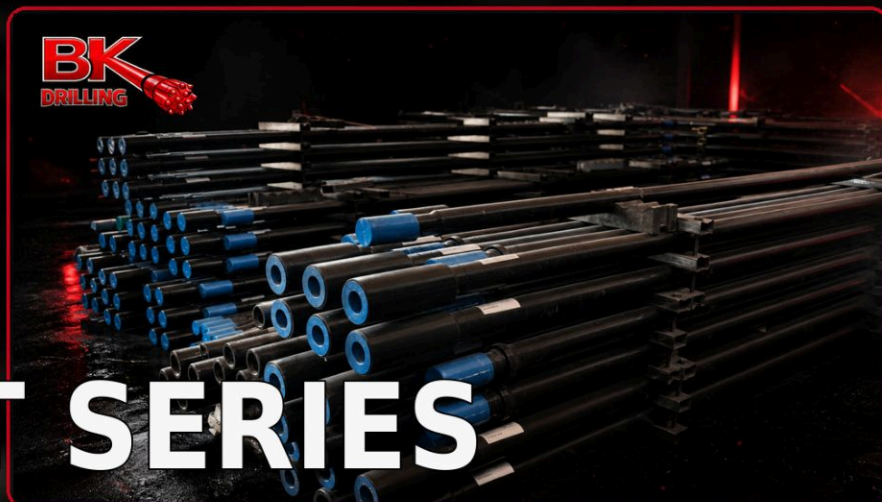
BENCH & PRODUCTION

Open pit drilling
tools



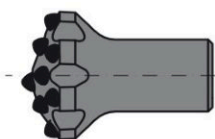
OPEN PIT SERIES

T38, T45 and T51
products



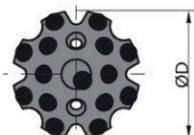
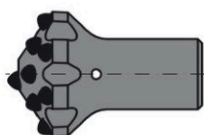
T38 Bits

Button bit



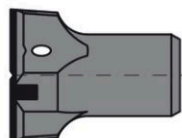
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
70	2 ¾	-	2 x 8	8 x 11	5 x 10	2,3	188012
76	3	-	2 x 9	8 x 12	6 x 11	2,5	133378
89	3 ½	-	2 x 9	8 x 13	6 x 12	3,6	163981
102	4	-	2 x 10	8 x 13	7 x 12	5,0	115073
R - Spherical							

Reaming button bit



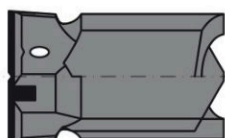
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
115	4 ½	1 x 7	3 x 7	9 x 13	8 x 12	6,5	170905
127	5	1 x 7,5	3 x 7,5	9 x 14	9 x 13	7,9	141821
R - Spherical							

Cross X-type bit



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
64	2 ½	2 x 7	1 x 8	-	-	1,9	136881
76	3	2 x 8	1 x 10	-	-	2,5	192517
89	3 ½	2 x 9	1 x 10	-	-	3,6	198117

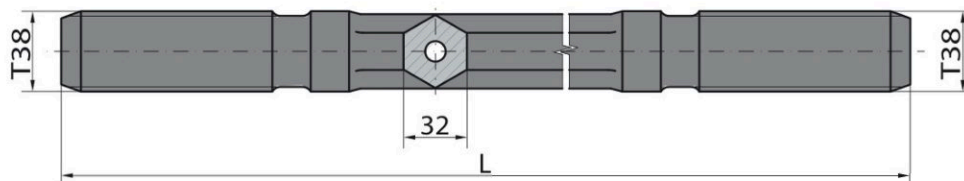
Cross X-type bit – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
76	3	2 x 7	1 x 8	-	-	3,7	181357
89	3 ½	2 x 8	1 x 10	-	-	5,5	167182
102	4	2 x 9	1 x 10	-	-	7,4	175383

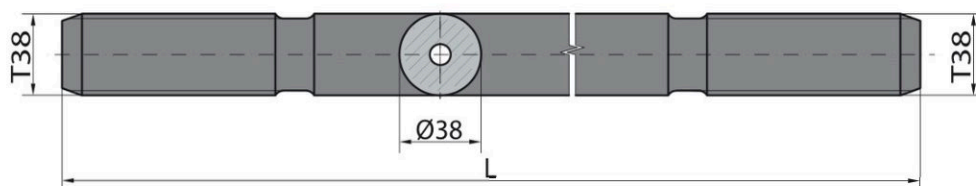
T38 Rods

Hex rods



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
32	1 ¼	T38/T38	915	3	-	6,2	229157
32	1 ¼	T38/T38	1220	4	-	7,9	240875
32	1 ¼	T38/T38	1525	5	-	9,8	204773
32	1 ¼	T38/T38	1830	6	-	11,8	292688
32	1 ¼	T38/T38	2165	7	-	13,9	242228
32	1 ¼	T38/T38	2435	8	-	15,6	258528
32	1 ¼	T38/T38	3050	10	-	19,5	275826
32	1 ¼	T38/T38	3660	12	-	23,4	266263
32	1 ¼	T38/T38	4265	14	-	27,3	210383
32	1 ¼	T38/T38	4915	16	-	31,4	268684
32	1 ¼	T38/T38	5490	18	-	35,1	234473
32	1 ¼	T38/T38	6100	20	-	39,0	233208
Flushing hole ϕ 16 mm							

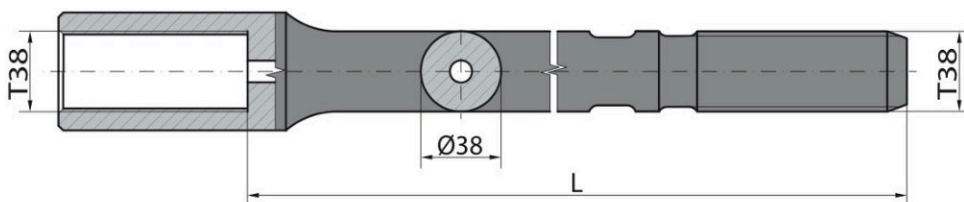
Extension rods



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
38	1 ½	T38/T38	915	3	-	7,2	232415
38	1 ½	T38/T38	1220	4	-	9,6	292069
38	1 ½	T38/T38	1525	5	-	12,0	294524
38	1 ½	T38/T38	1830	6	-	14,4	263920
38	1 ½	T38/T38	2165	7	-		292296
38	1 ½	T38/T38	2435	8	-	19,2	285151
38	1 ½	T38/T38	3050	10	-	24,0	246974
38	1 ½	T38/T38	3660	12	-	28,8	219644
38	1 ½	T38/T38	4265	14	-	33,9	216588
38	1 ½	T38/T38	4915	16	-	38,7	227899
38	1 ½	T38/T38	5490	18	-	43,3	255597
38	1 ½	T38/T38	6100	20	-	48,9	207217
Flushing hole ϕ 14,5 mm							

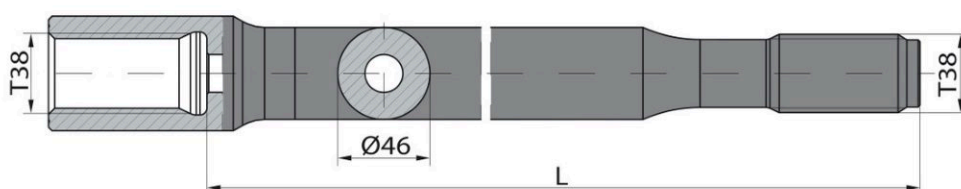
T38 Rods

Speed rods / M-F rods



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
38	1 ½	T38/T38	915	3	-	8,5	271355
38	1 ½	T38/T38	1220	4	-	10,9	239335
38	1 ½	T38/T38	1525	5	-	13,4	238762
38	1 ½	T38/T38	1830	6	-	15,9	256249
38	1 ½	T38/T38	2165	7	-	18,6	287642
38	1 ½	T38/T38	2435	8	-	20,7	233508
38	1 ½	T38/T38	3050	10	-	25,7	262941
38	1 ½	T38/T38	3660	12	-	30,6	278651
38	1 ½	T38/T38	4265	14	-	35,5	269524
38	1 ½	T38/T38	4915	16	-	40,8	241340
38	1 ½	T38/T38	5490	18	-	45,4	298536
38	1 ½	T38/T38	6100	20	-	50,4	251855
Flushing hole ϕ 14,5 mm, Female end ϕ 56 mm							

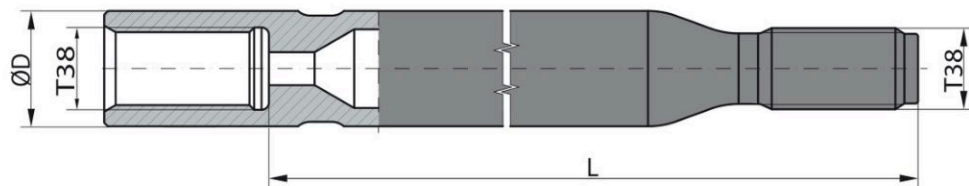
Guide rods / M-F rods



Hex		Threads	Dimensions Length			Weight kg	Model No
mm	inch		mm	ft	inch		
46	1 ¾	T38/T38	3050	10	-	34,4	293697
46	1 ¾	T38/T38	3660	12	-	41,2	216831
46	1 ¾	T38/T38	4265	14	-	48,0	222189
Flushing hole ϕ 17 mm, Female end ϕ 56 mm							

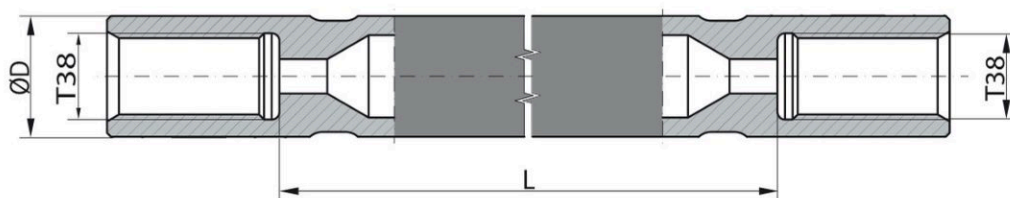
T38 Rods

Guide tube rods



Diameter		Threads	Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
56	2 ¼	T38/T38	1525	5	-	18,7	268507
56	2 ¼	T38/T38	1830	6	-	22,2	250236
56	2 ¼	T38/T38	3050	10	-	36,0	243878
56	2 ¼	T38/T38	3660	12	-	42,9	276359
56	2 ¼	T38/T38	3660	12	-	49,4	220308

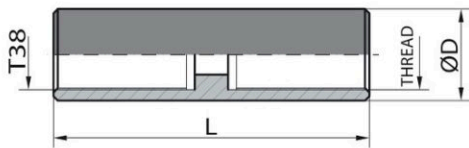
Guide tube rods



Diameter		Threads	Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
56	2 ¼	T38/T38	1525	5	-	19,5	210778
56	2 ¼	T38/T38	1830	6	-	23,0	215689
56	2 ¼	T38/T38	3050	10	-	36,8	250833
56	2 ¼	T38/T38	3660	12	-	43,7	258597
56	2 ¼	T38/T38	3660	12	-	52,4	247212

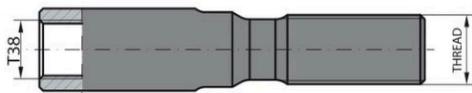
T38 Couplings

Full bridge



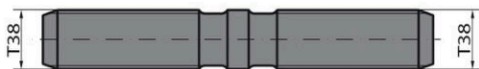
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
55	2 ¼	T38/R32	185	7	2,3	338273
55	2 ¼	T38/T38	210	8 ¼	2,6	327187

M-F adapters



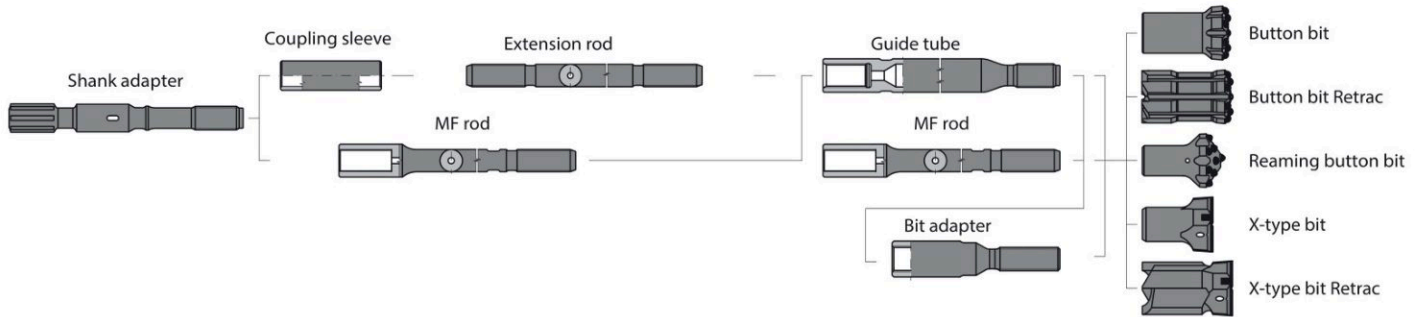
Threads	Lenght		Weight kg	Model
female/male	mm	inch		
T38/R32	240	9 ½	2,4	389755
T38/T45	275	10 ¾	3,2	399626

M-M adapters



Threads	Lenght		Weight kg	Model
female/male	mm	inch		
T38/T38	220	8 ¾	1,6	359351

T45 Bits



Button bit – DROP CENTER



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
70	2 ¾	-	4 x 8	8 x 11	5 x 10	2,4	179442
70	2 ¾	-	4 x 8	8 x 11	5 x 10	2,4	101686
76	3	-	4 x 8	8 x 12	5 x 11	2,8	192460
76	3	-	4 x 8	8 x 12	5 x 11	2,8	140639
89	3 ½	-	4 x 9	8 x 13	5 x 12	3,2	115071
89	3 ½	-	4 x 9	8 x 13	5 x 12	3,2	160936
102	4	-	4 x 9	8 x 14	5 x 13	4,5	184119
102	4	-	4 x 9	8 x 14	5 x 13	4,5	142985
115	4 ½	-	4 x 9	8 x 15	6 x 14	6,2	125686
115	4 ½	-	4 x 9	8 x 15	6 x 14	6,2	137352
127	5	-	4 x 10	8 x 15	6 x 14	7,3	178622
127	5	-	4 x 10	8 x 14	6 x 14	7,3	110041
R - Spherical S - Semi Ballistic							

Button bit – DROP CENTER – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
70	2 ¾	-	4 x 8	8 x 11	5 x 10	2,6	150800
70	2 ¾	-	4 x 8	8 x 11	5 x 10	2,6	122674
76	3	-	4 x 8	8 x 12	5 x 11	3,4	148366
76	3	-	4 x 8	8 x 12	5 x 11	3,4	139032
89	3 ½	-	4 x 9	8 x 13	5 x 12	5,2	102411
89	3 ½	-	4 x 9	8 x 13	5 x 12	5,2	129604
102	4	-	4 x 9	8 x 14	5 x 13	7,0	161506
102	4	-	4 x 9	8 x 14	5 x 13	7,0	107453
115	4 ½	-	4 x 9	8 x 15	6 x 14	9,3	150414
115	4 ½	-	4 x 9	8 x 15	6 x 14	9,3	154979
127	5	-	4 x 10	8 x 15	8 x 14	11,5	109634
127	5	-	4 x 10	8 x 15	8 x 14	11,5	136242
R - Spherical S - Semi Ballistic							

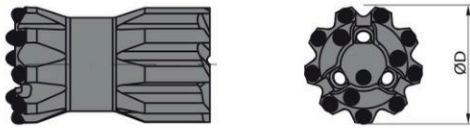
T45 Bits



Button bit – DROP CENTER



Button bit – DROP CENTER – RETRAC



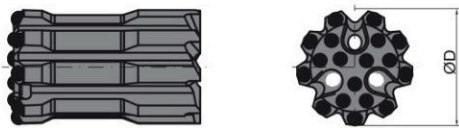
Button bit – FLAT FACE



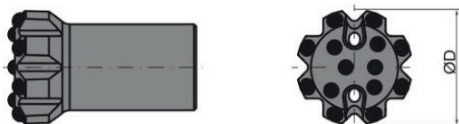
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
70	2 ¾	-	3 x 9	9 x 11	4 x 10	2,3	103642
70	2 ¾	-	3 x 9	9 x 11	4 x 10	2,3	111535
76	3	-	3 x 9	9 x 12	4 x 10	2,7	100259
76	3	-	3 x 9	9 x 12	4 x 10	2,7	180704
89	3 ½	-	3 x 10	9 x 13	4 x 11	3,2	161748
89	3 ½	-	3 x 10	9 x 13	4 x 11	3,2	187100
102	4	-	3 x 10	9 x 14	5 x 12	4,3	166454
102	4	-	3 x 10	9 x 14	5 x 12	4,3	191798
115	4 ½	-	3 x 10	9 x 15	5 x 13	6,0	165889
115	4 ½	-	3 x 10	9 x 15	5 x 13	6,0	137857
127	5	-	3 x 10	9 x 16	5 x 14	7,1	103683
127	5	-	3 x 10	9 x 16	5 x 14	7,1	189410
70	2 ¾	-	3 x 9	9 x 11	4 x 10	2,8	106451
70	2 ¾	-	3 x 9	9 x 11	4 x 10	2,8	199520
76	3	-	3 x 9	9 x 12	4 x 10	3,4	136911
76	3	-	3 x 9	9 x 12	4 x 10	3,4	112404
89	3 ½	-	3 x 10	9 x 13	4 x 11	5,3	161354
89	3 ½	-	3 x 10	9 x 13	4 x 11	5,3	175240
102	4	-	3 x 10	9 x 14	5 x 12	6,9	192642
102	4	-	3 x 10	9 x 14	5 x 12	6,9	112644
115	4 ½	-	3 x 10	9 x 15	5 x 13	8,8	187600
115	4 ½	-	3 x 10	9 x 15	5 x 13	8,8	177644
127	5	-	3 x 10	9 x 16	5 x 14	10,2	182307
127	5	-	3 x 10	9 x 16	5 x 14	10,2	136292
76	3	-	3 x 9	9 x 12	8 x 10	2,8	179649
76	3	-	3 x 9	9 x 12	8 x 10	2,8	159227
80	3 ^{5/32}	-	3 x 9	9 x 12	8 x 10	3,0	185268
80	3 ^{5/32}	-	3 x 9	9 x 12	8 x 10	3,0	104622
89	3 ½	-	3 x 10	9 x 13	9 x 11	3,3	142283
89	3 ½	-	3 x 10	9 x 13	9 x 11	3,3	133579
102	4	-	3 x 10	9 x 14	9 x 12	4,6	170933
102	4	-	3 x 10	9 x 14	9 x 12	4,6	158922
115	4 ½	-	3 x 10	9 x 15	10 x 13	6,5	184668
115	4 ½	-	3 x 10	9 x 15	10 x 13	6,5	143434
R - Spherical S - Semi Ballistic							

T45 Bits

Button bit – FLAT FACE – RETRAC



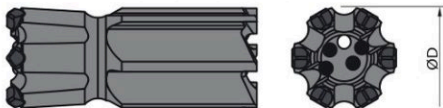
Button bit – FLAT FACE – Heavy Duty



Button bit – FLAT FACE
– RETRAC – Heavy Duty



Button bit – DROP CENTER – RETRAC



Button bit



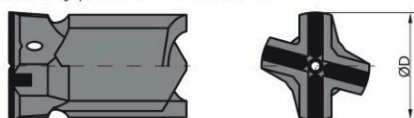
Reaming button bit



Cross X-type bit



Cross X-type bit – RETRAC

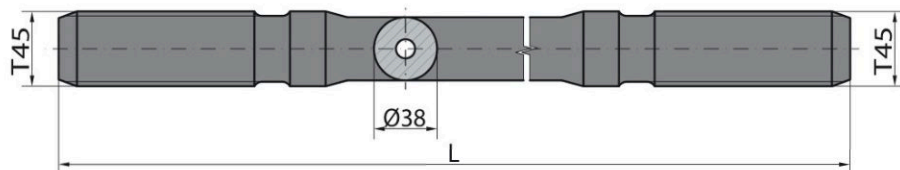


Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	No
76	3	-	3 x 9	9 x 12	8 x 10	3,5	167194
76	3	-	3 x 9	9 x 12	8 x 10	3,5	172478
80	3 5/32	-	3 x 9	9 x 12	8 x 10	4,2	123380
80	3 5/32	-	3 x 9	9 x 12	8 x 10	4,2	177879
89	3 1/2	-	3 x 10	9 x 13	9 x 11	5,4	171553
89	3 1/2	-	3 x 10	9 x 13	9 x 11	5,4	152300
102	4	-	3 x 10	9 x 14	9 x 12	7,2	121843
102	4	-	3 x 10	9 x 14	9 x 12	7,2	138454
115	4 1/2	-	3 x 10	9 x 15	9 x 13	8,4	144052
115	4 1/2	-	3 x 10	9 x 15	9 x 13	8,4	101207
70	2 3/4	-	2 x 9	8 x 12	4 x 11	2,4	143193
76	3	-	2 x 10	8 x 13	4 x 12	2,8	147722
80	3 5/32	-	2 x 11	8 x 13	5 x 12	3,0	131262
89	3 1/2	-	2 x 11	8 x 14	5 x 13	3,3	105065
102	4	-	2 x 11	8 x 15	6 x 14	4,6	195946
115	4 1/2	-	2 x 12	8 x 16	7 x 15	6,5	132144
70	2 3/4	-	2 x 9	8 x 12	4 x 11	3,2	152313
76	3	-	2 x 10	8 x 13	4 x 12	3,5	154269
80	3 5/32	-	2 x 11	8 x 13	5 x 12	4,2	129273
89	3 1/2	-	2 x 11	8 x 14	5 x 13	5,4	196822
102	4	-	2 x 11	8 x 15	6 x 14	7,2	132176
115	4 1/2	-	2 x 12	8 x 15	7 x 14	8,4	197530
70	2 3/4	2 x 10	1 x 10	6 x 14	4 x 9	3,1	198976
76	3	2 x 10	1 x 10	6 x 14	4 x 9	3,7	166733
76	3	-	2 x 10	8 x 12	6 x 11	2,8	166928
89	3 1/2	-	2 x 10	8 x 13	6 x 12	3,4	149634
102	4	-	2 x 11	8 x 13	7 x 12	4,7	110451
115	4 1/2	-	2 x 12	8 x 14	8 x 13	6,6	172950
115	4 1/2	1 x 8	3 x 8	9 x 13	8 x 12	6,6	134279
127	5	1 x 9	3 x 9	9 x 14	9 x 13	8,1	116242
152	6	1 x 10	3 x 10	9 x 15	11 x 14	11,2	117186
76	3	2 x 9	1 x 10	-	-	2,7	135283
89	3 1/2	2 x 10	1 x 10	-	-	3,3	109274
102	4	2 x 10	1 x 11	-	-	4,7	112957
76	3	2 x 9	1 x 10	-	-	3,5	152710
89	3 1/2	2 x 10	1 x 10	-	-	4,7	193905
102	4	2 x 10	1 x 11	-	-	6,8	171348

R - Spherical S - Semi Ballistic

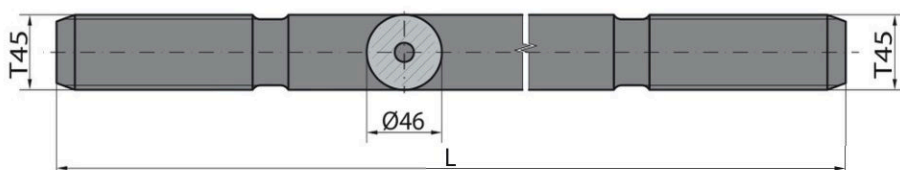
T45 Rods

Extension rods diameter 38mm



Hex		Threads	Dimensions Length			Weight	Model
mm	inch		mm	ft	inch		
38	1 ½	T45/T45	915	3	-	8,1	209726
38	1 ½	T45/T45	1220	4	-	10,7	288082
38	1 ½	T45/T45	1525	5	-	13,4	264057
38	1 ½	T45/T45	1830	6	-	16,1	256279
38	1 ½	T45/T45	2165	7	-	19,0	206844
38	1 ½	T45/T45	2435	8	-	21,3	283300
38	1 ½	T45/T45	3050	10	-	26,7	227988
38	1 ½	T45/T45	3660	12	-	32,0	224087
38	1 ½	T45/T45	4265	14	-	37,3	269189
38	1 ½	T45/T45	4915	16	-	43,0	299774
38	1 ½	T45/T45	5490	18	-	48,0	236874
38	1 ½	T45/T45	6100	20	-	53,3	229170
Flushing hole ϕ 14.5 mm							

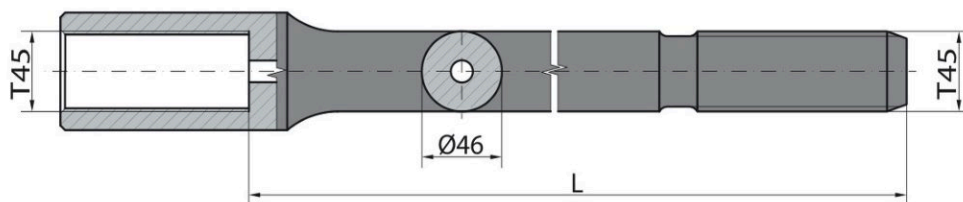
Extension rods diameter 46mm



Hex		Threads	Dimensions Length			Weight	Model
mm	inch		mm	ft	inch		
46	1 ¾	T45/T45	915	3	-	9,6	215082
46	1 ¾	T45/T45	1220	4	-	13,0	286167
46	1 ¾	T45/T45	1525	5	-	16,4	298337
46	1 ¾	T45/T45	1830	6	-	19,8	292416
46	1 ¾	T45/T45	2165	7	-	23,5	284389
46	1 ¾	T45/T45	2435	8	-	26,5	268045
46	1 ¾	T45/T45	3050	10	-	33,4	222069
46	1 ¾	T45/T45	3660	12	-	40,2	222787
46	1 ¾	T45/T45	4265	14	-	46,9	299587
46	1 ¾	T45/T45	4915	16	-	54,2	208626
46	1 ¾	T45/T45	6100	20	-	67,4	215469
46	1 ¾	T45/T45	7200	24	-	79,7	261742
Flushing hole ϕ 17 mm							

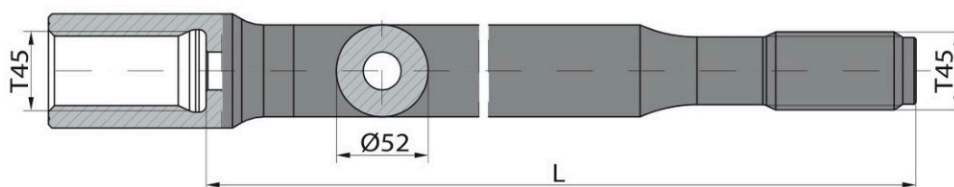
T45 Rods

Speed rods / M-F rods



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
46	1 ¾	T45/T45	1525	5	-	18,3	234123
46	1 ¾	T45/T45	1830	6	-	21,7	211004
46	1 ¾	T45/T45	2165	7	-	25,4	280760
46	1 ¾	T45/T45	2435	8	-	28,5	245801
46	1 ¾	T45/T45	3050	10	-	35,3	268373
46	1 ¾	T45/T45	3660	12	-	42,1	298744
46	1 ¾	T45/T45	4265	14	-	48,8	243758
46	1 ¾	T45/T45	4915	16	-	56,1	230323
46	1 ¾	T45/T45	6100	20	-	69,3	280720
46	1 ¾	T45/T45	7200	24	-	81,6	241374
Flushing hole ϕ 17 mm, Female end ϕ 67 mm							

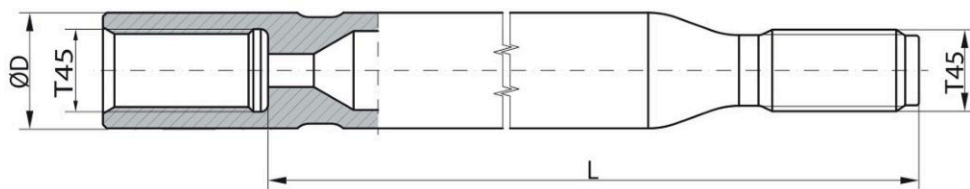
Guide rods / M-F rods



Hex		Threads	Dimensions Lenght			Weight kg	Model No
mm	inch		mm	ft	inch		
52	2	T45/T45	3050	10	-	43,3	220349
52	2	T45/T45	3660	12	-	51,7	238076
52	2	T45/T45	4365	14	-	60,1	243670
Flushing hole ϕ 21,5 mm, Female end ϕ 67 mm							

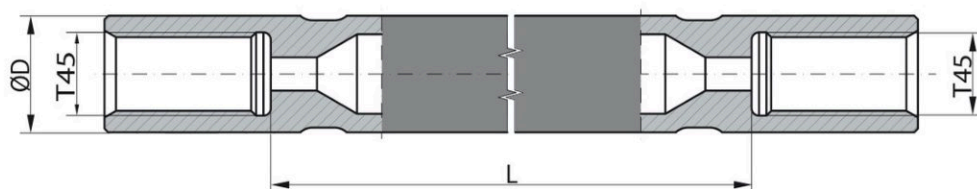
T45 Rods

Guide tube rods



Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
63	2 ½	T45/T45	1830	6	-	25,9	284458
63	2 ½	T45/T45	3660	12	-	49,7	229388
64	2 ½	T45/T45	4265	14	-	57,6	297399
76	3	T45/T45	3660	12	-	72,2	209141
76	3	T45/T45	4265	14	-	83,6	288507
Flushing hole ϕ 14,5 mm, Female end ϕ 56 mm							

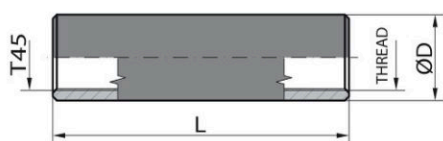
Guide tube rods



Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
63	2 ½	T45/T45	1830	6	-	26,9	200233
63	2 ½	T45/T45	3660	12	-	50,7	239796
63	2 ½	T45/T45	4265	14	-	58,6	295921
76	3	T45/T45	3660	12	-	74,9	208571
76	3	T45/T45	4265	14	-	86,3	298905
Flushing hole ϕ 17 mm, Female end ϕ 56 mm							

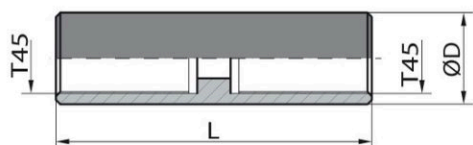
T45 Couplings, Bit adapters

Coupling sleeve



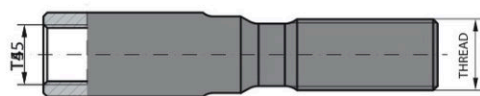
Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
64	2 ½	T45/T38	180	7 3/32	2,9	371393
64	2 ½	T45/T38	180	7 3/32	2,5	365379

Full bridge



Diameter		Threads	Lenght		Weight kg	Model No
mm	inch		mm	inch		
64	2 ½	T45/T45	210	8 ¼	3,0	390662

M-F adapters



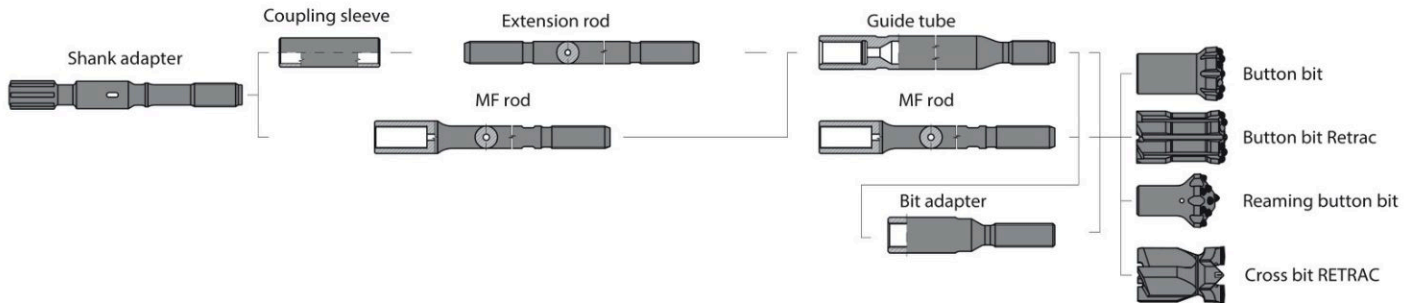
Threads	Lenght		Weight kg	Model No
female/male	mm	inch		
T45/T38	235	10 3/8	3,2	343107
T45/T51	275	10 7/8	3,8	393917

M-M adapters



Threads	Lenght		Weight kg	Model No
female/male	mm	inch		
T45/T45	220	8 3/4	2,4	

T51 Bits



Button bit – DROP CENTER



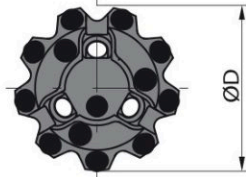
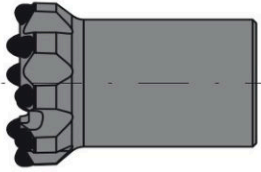
Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
89	3 ½	-	4 x 9	8 x 13	5 x 12	3,5	176532
89	3 ½	-	4 x 9	8 x 13	5 x 12	3,5	105559
102	4	-	4 x 10	8 x 14	6 x 13	5,0	108579
102	4	-	4 x 10	8 x 14	6 x 13	5,0	188053
115	4 ½	-	4 x 11	8 x 15	6 x 14	7,3	118443
115	4 ½	-	4 x 11	8 x 15	6 x 14	7,3	180393
127	5	-	4 x 11	8 x 16	8 x 15	7,8	181088
127	5	-	4 x 11	8 x 16	8 x 15	7,8	148516
152	6	-	4 x 12	8 x 17	4x15, 4x16	12,2	177757
152	6	-	4 x 12	8 x 17	4x15, 4x16	12,2	186021
R - Spherical S - Semi Ballistic							

Button bit – DROP CENTER – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
89	3 ½	-	4 x 9	8 x 13	5 x 12	5,2	135879
89	3 ½	-	4 x 9	8 x 13	5 x 12	5,2	123669
102	4	-	4 x 10	8 x 14	6 x 13	7,0	113539
102	4	-	4 x 10	8 x 14	6 x 13	7,0	161629
115	4 ½	-	4 x 11	8 x 15	6 x 14	9,4	199189
115	4 ½	-	4 x 11	8 x 15	6 x 14	9,4	113119
127	5	-	4 x 11	8 x 16	8 x 15	11,8	180808
127	5	-	4 x 11	8 x 16	8 x 15	11,8	143554
152	6	-	4 x 12	8 x 17	4x15, 4x16	19,0	179573
152	6	-	4 x 12	8 x 17	4x15, 4x16	19,0	141074
R - Spherical S - Semi Ballistic							

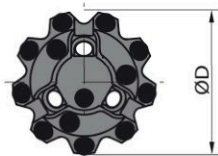
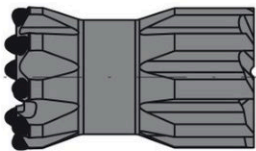
Button bit – DROP CENTER



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
89	3 ½	-	3 x 11	9 x 13	4 x 11	3,5	102718
89	3 ½	-	3 x 11	9 x 13	4 x 11	3,5	139071
102	4	-	3 x 12	9 x 14	5 x 12	4,5	142333
102	4	-	3 x 12	9 x 14	5 x 12	4,5	164131
115	4 ½	-	3 x 12	9 x 15	5 x 13	6,5	106803
115	4 ½	-	3 x 12	9 x 15	5 x 13	6,5	173601
127	5	-	3 x 13	9 x 16	5 x 14	8,1	187469
127	5	-	3 x 13	9 x 16	5 x 14	8,1	104568

R - Spherical S - Semi Ballistic

Button bit – DROP CENTER – RETRAC

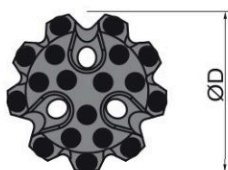
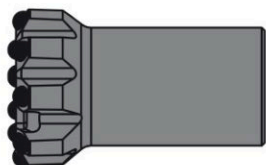


Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
89	3 ½	-	3 x 11	9 x 13	4 x 11	6,6	181552
89	3 ½	-	3 x 11	9 x 13	4 x 11	6,6	140019
102	4	-	3 x 12	9 x 14	5 x 12	9,1	111462
102	4	-	3 x 12	9 x 14	5 x 12	9,1	157892
115	4 ½	-	3 x 12	9 x 15	5 x 13	10,2	145201
115	4 ½	-	3 x 12	9 x 15	5 x 13	10,2	108845
127	5	-	3 x 13	9 x 16	5 x 14	13,8	195972
127	5	-	3 x 13	9 x 16	5 x 14	13,8	160109

R - Spherical S - Semi Ballistic

T51 Bits

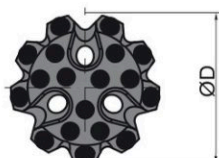
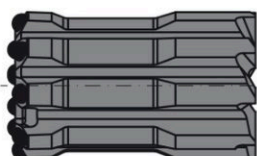
Button bit – FLAT FACE



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
80	3 ^{5/32}	-	3 x 10	9 x 12	8 x 10	3,1	124233
80	3 ^{5/32}	-	3 x 10	9 x 12	8 x 10	3,1	120748
89	3 ½	-	3 x 11	9 x 13	8 x 11	3,6	149965
89	3 ½	-	3 x 11	9 x 13	8 x 11	3,6	163511
102	4	-	3 x 12	9 x 14	9 x 12	4,6	184364
102	4	-	3 x 12	9 x 14	9 x 12	4,6	147880
115	4 ½	-	3 x 12	9 x 15	10 x 13	6,7	155496
115	4 ½	-	3 x 12	9 x 15	10 x 13	6,7	178373
127	5	-	3 x 13	9 x 16	10 x 14	8,4	107491
127	5	-	3 x 13	9 x 16	10 x 14	8,4	125774
152	6	-	3 x 14	9 x 16	10 x 14	12,1	116986
152	6	-	3 x 14	9 x 16	10 x 14	12,1	161900

R - Spherical S - Semi Ballistic

Button bit – FLAT FACE – RETRAC

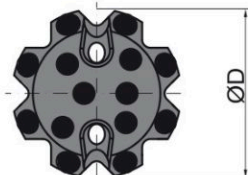
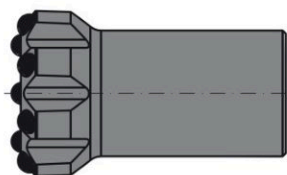


Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
80	3 ^{5/32}	-	3 x 10	9 x 12	8 x 10	4,0	170021
80	3 ^{5/32}	-	3 x 10	9 x 12	8 x 10	4,0	185136
89	3 ½	-	3 x 11	9 x 13	8 x 11	4,9	189470
89	3 ½	-	3 x 11	9 x 13	8 x 11	4,9	110222
102	4	-	3 x 12	9 x 14	9 x 12	6,8	178488
102	4	-	3 x 12	9 x 14	9 x 12	6,8	128016
115	4 ½	-	3 x 12	9 x 15	10 x 13	8,8	105837
115	4 ½	-	3 x 12	9 x 15	10 x 13	8,8	192388
127	5	-	3 x 13	9 x 16	10 x 14	12,0	198696
127	5	-	3 x 13	9 x 16	10 x 14	12,0	172470
152	6	-	3 x 14	9 x 16	10 x 14	19,2	123097
152	6	-	3 x 14	9 x 16	10 x 14	19,2	129019

R - Spherical S - Semi Ballistic

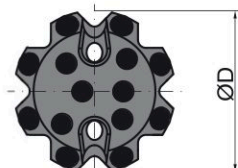
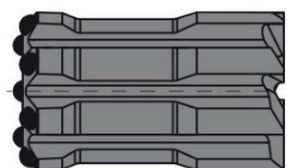
T51 Bits

Button bit – FLAT FACE – Heavy Duty



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
80	3 ^{5/32}	-	2 x 12	8 x 13	5 x 12	3,1	128323
89	3 1/2	-	2 x 13	8 x 14	5 x 13	3,6	131073
102	4	-	2 x 13	8 x 15	6 x 14	4,6	120582
115	4 1/2	-	2 x 14	8 x 16	7 x 15	6,7	140231
127	5	-	2 x 14	8 x 17	8 x 16	8,4	195146
R - Spherical							

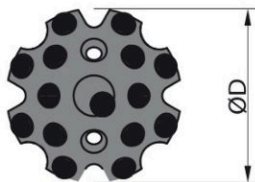
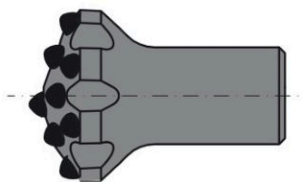
Button bit – FLAT FACE – RETRAC – Heavy Duty



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
80	3 ^{5/32}	-	2 x 12	8 x 13	5 x 12	4,0	186051
89	3 1/2	-	2 x 13	8 x 14	5 x 13	4,9	137437
102	4	-	2 x 13	8 x 15	6 x 14	6,8	158952
115	4 1/2	-	2 x 14	8 x 16	7 x 15	8,8	193820
127	5	-	2 x 14	8 x 17	8 x 16	12,0	123674
R - Spherical							

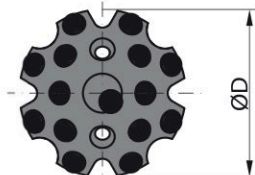
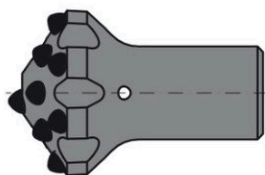
T51 Bits

Button bit



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
89	3 ½	-	2 x 13	8 x 13	6 x 12	3,6	198390
102	4	-	2 x 13	8 x 13	7 x 13	4,6	194012
115	4 ½	-	2 x 14	8 x 14	8 x 13	6,7	149884
127	5	-	2 x 14	8 x 15	8 x 14	8,4	129141
R - Spherical							

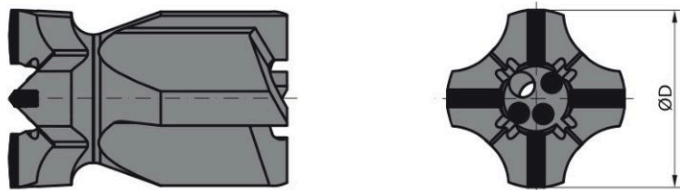
Reaming button bit



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
115	4 ½	1 x 9	3 x 9	9 x 13	8 x 12	6,7	133236
127	5	1 x 10	3 x 10	9 x 14	9 x 13	8,4	128350
152	6	1 x 11	3 x 11	9 x 15	11 x 14	12,1	118693
R - Spherical							

T51 Bits, Rods

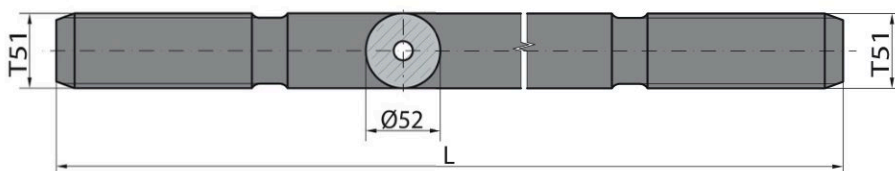
Cross bit – RETRAC



Diameter		Flushing Holes (mm)		Buttons (mm)		Weight	Model
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size	kg	
102	4	-	1 x 16	-	3 x 13	5,8	185594
115	4 ½	-	1 x 16	-	3 x 13	7,3	178210
127	5	-	1 x 16	-	3 x 14	9,8	107073
140	5 ½	-	1 x 16	-	3 x 14	12,7	142580
152	6	-	1 x 16	-	3 x 14	15,3	111873

R - Spherical

Extension rods

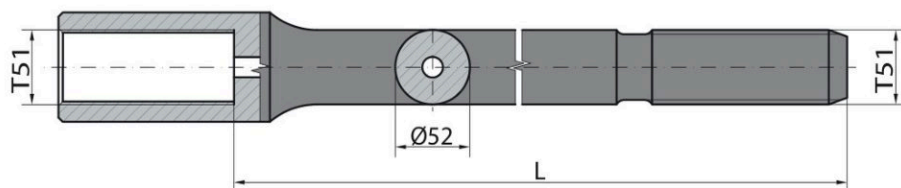


Hex		Threads	Dimensions Lenght			Weight	Model
mm	inch		mm	ft	inch		
52	2	T51/T51	915	3	-	11,8	259800
52	2	T51/T51	1220	4	-	16,1	210529
52	2	T51/T51	1525	5	-	20,3	224810
52	2	T51/T51	1830	6	-	24,5	288837
52	2	T51/T51	2165	7	-	29,2	247725
52	2	T51/T51	2435	8	-	32,9	293470
52	2	T51/T51	3050	10	-	41,4	286400
52	2	T51/T51	3660	12	-	49,9	294373
52	2	T51/T51	4265	14	-	58,2	293324
52	2	T51/T51	4915	16	-	67,2	252388
52	2	T51/T51	6100	20	-	83,7	273931
52	2	T51/T51	7200	24	-	98,9	281220

Flushing hole ϕ 21.5 mm

T51 Rods

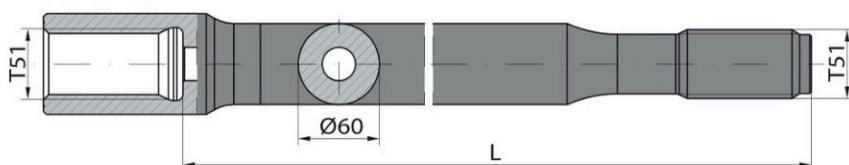
Speed rods / M-F rods



Hex		Threads	Dimensions Lenght			Weight kg	Model
mm	inch		mm	ft	inch		
52	2	T51/T51	1525	5	-	23,5	221655
52	2	T51/T51	1830	6	-	27,5	239257
52	2	T51/T51	2165	7	-	32,4	230886
52	2	T51/T51	2435	8	-	36,1	292156
52	2	T51/T51	3050	10	-	44,6	274865
52	2	T51/T51	3660	12	-	53,1	255602
52	2	T51/T51	4265	14	-	61,5	299621
52	2	T51/T51	4915	16	-	70,5	252394
52	2	T51/T51	6100	20	-	86,9	256732
52	2	T51/T51	7200	24	-	102,1	207625

Flushing hole ϕ 21,5 mm, Female end ϕ 74 mm

Guide rods / M-F rods

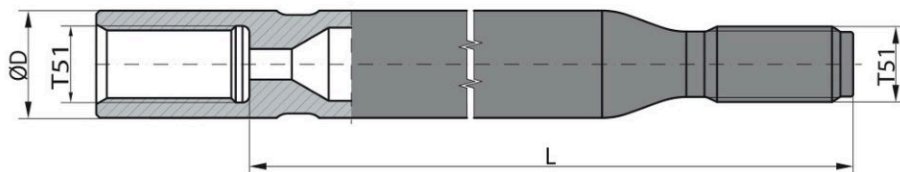


Hex		Threads	Dimensions Lenght			Weight kg	Model
mm	inch		mm	ft	inch		
60	2 3/8	T51/T51	3660	12	-	70,7	238943
60	2 3/8	T51/T51	4265	14	-	82,3	289005

Flushing hole ϕ 22,6 mm, Female end ϕ 74 mm

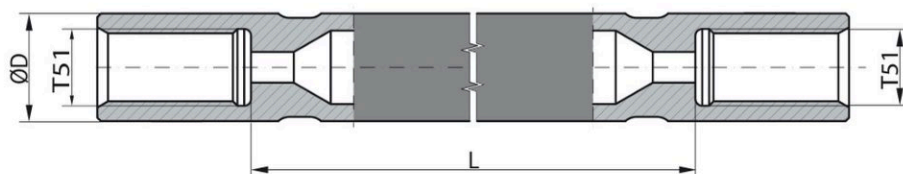
T51 Rods

Guide tube rods



Hex		Threads	Dimensions Lenght			Weight kg	Model
mm	inch		mm	ft	inch		
76	3	T51/T51	1830	6	-	37,2	250676
76	3	T51/T51	3660	12	-	71,8	228052
76	3	T51/T51	4265	14	-	83,2	225579
87	3 ½	T51/T51	3660	12	-	95,7	230775
87	3 ½	T51/T51	4265	14	-	110,9	230629

Guide tube rods



Hex		Threads	Dimensions Lenght			Weight kg	Model
mm	inch		mm	ft	inch		
76	3	T51/T51	1830	6	-	39,4	258530
76	3	T51/T51	3660	12	-	74,0	269055
76	3	T51/T51	4265	14	-	85,4	201322
87	3 ½	T51/T51	3660	12	-	100,7	242629
87	3 ½	T51/T51	4265	14	-	115,9	259174

COUPLINGS

Sleeves, adapters
and connection
tools



DRILLING FIELD

Tools engineered
for quarry and
mining operations



SHANK ADAPTERS

High-quality shank
adapters



SHANKS

BOART, EPIROC,
FURUKAWA,
SANDVIK and

more



TOOLS IN STOCK

Organized
inventory for fast
response



BK DRILLING

Top hammer
drilling tools



Drifter Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
BOART HD 125, HE 125, HD 150, HE 150		1.01	R32	495	411818
			R38	495	411796
			T38	495	411803
BÖHLER HS 448		2.01	R32	500	417871
			R38	500	417872
			T38	500	417873
CASAGRANDE C6		3.01	*A55 RE	590	417994
			*R55 LI	590	417993
			*A64 RE	590	417823
			*R64 LI	590	417822
			*C64 LI	590	417991
			*C64 RE	590	417992
DOOFOR DF 415, DF 425, DF 430S		4.01	R25	400	411978
			R28	400	411966
DOOFOR DF 528, DF 530L, DF 530S, DF 538L, DF 538S		4.02	R32	425	411922

A 55 / R 55 = H 55
A 64 / R 64 = H 64

RE = Right hand thread / Rechtsgewinde
LI = left hand thread / Linksgewinde

DOOFOR



Drifter Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
DOOFOR DF 528, DF 530L, DF 530S, DF 538L, DF 538S			R32	470	428145
DOOFOR DF 540L FEMALE			R32	430	428190
			R38	430	428191
			T38	430	428202
			T140	430	428200
DOOFOR DF 540L			R32	580	428222
			R38	580	428198
			T38	580	428193
			T140	580	428199
			R51	580	428194
DOOFOR DF 540L, 550, 560L BLT			R32	465	428153
			T38	465	428147
DOOFOR DF 545, DF 550			T38	515	421914
DOOFOR DF 545HD, DF 560L			R32	515	428167
			T38	570	428134
			T45	570	421937
DOOFOR DF 800HD			T45	560	428176
			T51	560	42

SHANK ADAPTERS

8177

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC BBC 42, 43, 44, 45, 100		10	R25	380	433394
GARDNER DENVER 93 / INGERSOLL-RAND 350 ISO 1719 / JOY 400 RR / MONTABERT TA 35, LC 50 (R)		10	R32	380	433397
Seal / Dichtung / Joint / Empaquetadura		10			434107
EPIROC BBC 51, 52, 54, 120		10	R32	380	431090
MONTABERT H 40, 50, 60, 70 (Leyner)		10	R38	390	437800
		10	T38	390	431789
Seal / Dichtung / Joint / Empaquetadura		10			434107
EPIROC BBE 56U2, 57, 5701		14	T38	537	431484
FURUKAWA HD 260 / INGERSOLL-RAND YH 60		14	T45	550	431335
MONTABERT H 100 / TOKYO RIUKI HD 260		14	T45	550	431335
Seal / Dichtung / Joint / Empaquetadura		14			433354
EPIROC COP 1028			R28	400	431801
			R32	400	431823
EPIROC COP 1036, 1038, 1238			R32	485	437971
SECOMA HYDRASTAR 200, 300, 350, X2			R38	485	437815
			T38	485	431085
			R32	500	431764
			R38	500	431779
			T38	500	437827

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC COP 1036, 1038, 1238		5.06		R32	575	431781
				T38	575	431782
EPIROC COP 1036, 1038, 1238		5.07		R32	575	438946
				R38	575	437852
				T38	575	437982
				T45	575	437892
EPIROC COP 1036, 1038, 1238 FEMALE		5.08		R32	710	438088
SDA = Self-Drilling Anchor				R38	710	438087
IRIA = Integrated Rotary Injection Adapter				TI30	710	438099
For bolting purposes only						
EPIROC COP 1132, RR11		5.09		R28	410	438061
				R32	410	431882
				T35	410	438149
EPIROC COP 1132, RR11		5.10		R32	500	431949
				T35	500	438150
EPIROC COP 1132, RR11 FEMALE		5.11		R32	280	431862
EPIROC COP 1140, 1435, SC14, RR14		5.12		R32	410	438066
				R32	500	438067

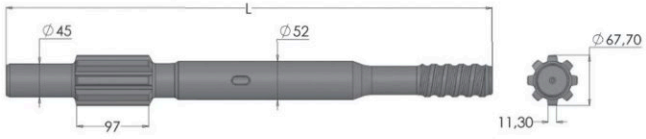

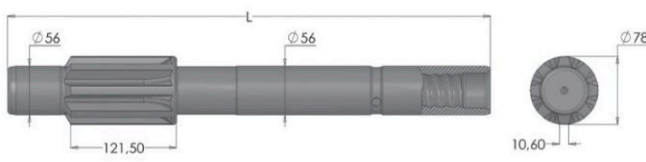
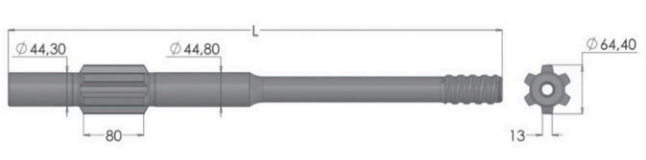

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC COP 1240, 1640, SC16, SC19, SC25HF	5.13			R32 T35 T38	565 565 565	448000 448034 448001
EPIROC COP 1240, 1640, 1840, 1850, 2150, 2550 and + versions	5.14			T45 XT45 T51 XT51	565 565 565 565	448864 448035 448849 448036
EPIROC COP 1240EX, 1640EX, SC19X, SC25X-HF	5.15			R32 T38	770 770	448002 448003
EPIROC COP 1240EX, 1640EX, 1840EX, 1850EX, 2150EX, 2550EX, SC19X, SC25X-HF	5.16			T45 T51 XT51	770 770 770	448865 448866 448031
EPIROC COP 1432, 1440, 1532, 1550, 1638, 1838, 2238 and + versions	5.17			R32 R38 T38	435 435 435	447899 447879 447894
EPIROC COP 1432, 1440, 1532, 1550, 1638, 1838, 2238 and + versions	5.18			R32 R38 T35 T38	525 525 525 525	447886 448897 448028 448943
EPIROC COP 1432, 1532 <i>FEMALE</i>	5.19			R32 R38	340 340	448889 448898
EPIROC COP 1440, 1550, 1838	5.20			R32 T35 T38 T45 T51	525 525 525 525 525	448940 441951 448846 447916 447917

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC COP 1440, 1550, 1838 FEMALE SDA = Self-Drilling Anchor			R32	640	A41889
For bolting purposes only					
EPIROC COP 1440, 1550, 1838 FEMALE SDA = Self-Drilling Anchor IRIA = Integrated Rotary Injection Adapter			R32	640	441918
			R38	650	441917
For bolting purposes only					
EPIROC COP 1838MUX / HUX and + versions			T38	730	448038
			T45	730	448037
			XT45	730	448096
			T51	730	448039
EPIROC COP 2160, 2560			T38	770	441989
			T45	770	441873
			T51	770	441874
EPIROC COP 2160EX, 2560EX			T45	770	441883
			T51	770	441884
			XT51	770	448032
			GT60	770	448012
EPIROC COP 2550UX, 2550UX+			T45	770	448165
			T51	770	448161
EPIROC COP 2560EX, 2560EX+, SC25-HE			T45	770	448089
			T51	770	448091
			XT51	770	448092
			T-WiZ60	770	448094

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC COP 3038		5.28		R38	435	448049
				T38	435	448050
				T45	450	448048
EPIROC COP 3038		5.29		R32	525	448051
				T38	525	448052
EPIROC COP 3038 ME		5.30		T51	840	448117
				GT60	840	448173
				T-WiZ60	840	448151
EPIROC COP 3060 MEX		5.31		T51	840	448071
				GT60	840	448174
				T-WiZ60	840	448142
EPIROC COP 4050 MUX		5.32		ST58	835	448016
				ST68	835	448018
EPIROC COP MD20		5.33		R38	470	448140
				T38	470	448131
				R38	560	448252
				T38	560	448207

EPIROC / EURODRILL / FURUKAWA



Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
EPIROC RD14S, RD18S, RD22S	5.34			T38 T45 T51	655 655 655	448219 448189 448164
EURODRILL HD 1002 FEMALE	6.01			R32 R38 TI30 TI40	410 430 380 400	448119 448120 441733 441734
EURODRILL HD 2002, 2004 FEMALE	6.02			R32 R38	555 555	448121 448122
FURUKAWA HD 300	7.01		16 16 16	R38 T38 T45	655 655 655	441765 441827 441828
Seal / Dichtung / Joint / Empaquetadura			16			413355
FURUKAWA HD 500	7.02		16	T38	635	448033
EVERDIGM ED 100			16	T45	635	441905
SOOSAN ED 100			16	T51	635	448974
						
Seal / Dichtung / Joint / Empaquetadura			16			413355

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
FURUKAWA HD 609		7.03		R38 T38 T45	620 620 620	441860 441829 441830
FURUKAWA HD 609 JUN JIN JET 7 SOOSAN SP3G, TD 45		7.04		T38 T45	690 690	441853 441854
FURUKAWA HD 612 SOOSAN SP 6, TD 51		7.05		T45 T51	670 670	441844 441851
FURUKAWA HD 612 QED		7.06		T45 T51	845 845	441841 441831
FURUKAWA HD 615		7.07		T51 T51	700 880	441842 448942
FURUKAWA HD 709 EVERDIGM ED 150 JUN JIN JET 8		7.08		T38 T45	620 620	441898 441897

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°	
FURUKAWA HD 709 QED		7.09	T38	785	441943	
			T45	785	441955	
			T45	815	441931	
FURUKAWA HD 712 JUN JIN JET 9		7.10	T45	590	441858	
			T51	590	441859	
			T45	790	441876	
			XT45	790	448105	
			T51	790	441896	
FURUKAWA HD 712 QED		7.11	T45	885	441913	
			T51	885	441912	
			XT51	885	448044	
FURUKAWA HD 715 JUN JIN JET 11		7.12	T51	790	441865	
			XT51	790	448074	
FURUKAWA HD 715 QED		7.13	T51	885	441932	
			XT51	885	448041	
FURUKAWA HD 822 QED, HD 826 QED		7.14	T51	885	448065	
			XT51	885	448068	
FURUKAWA HD 836		7.15	GT60	793	448169	
FURUKAWA HD 836 QED		7.16	GT60	900	448179	
FURUKAWA PD 200R		7.17	14	T38	484	447940
			14	T45	484	441834
Seal / Dichtung / Joint / Empaquetadura			14		413354	

GARDNER DENVER - CATERPILLAR

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
GARDNER DENVER PR 123 - CATERPILLAR BOART SECAN S 36 IR FURUKAWA HD 200, M 120, PD 200 INGERSOLL-RAND URD 475 A, 550, VL 120, VL 140, F16 SANDVIK TAM 750 TOKYO RIUKI HD 200, H 120 / TOYO PR 220		14	R32	380	451760
		14	R38	380	451337
		14	T38	380	451761
		14	T45	380	451759
		14	R32	446	451341
		14	R38	446	451338
		14	T38	446	451339
		16	T45	446	451331
		14			453354
		16			453355
Seal / Dichtung / Joint / Empaquetadura					
GARDNER DENVER HPR 1 - CATERPILLAR	8.02		T38 T45	620 620	457850 457860
GARDNER DENVER HPR 1 H - CATERPILLAR			R38	725	457922
			T38	725	457953
			T45	725	457923
GARDNER DENVER HPR 4519 - CATERPILLAR	8.04		T38 T45	770 770	451861 451866
GARDNER DENVER HPR 5123 - CATERPILLAR			T45	770	458996
			T51	770	458991
GARDNER DENVER HPR 2 H, HPR 5128 - CATERPILLAR	8.06		T45 T51	915 915	458863 457924
GARDNER DENVER HPR 2 H, HPR 5128 - CATERPILLAR			T45	915	458863
			T51	915	457924

GARDNER DENVER - CATERPILLAR INGERSOLL-RAND

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°	
GARDNER DENVER HPR 6030 - CATERPILLAR			T51	1041	451900	
			ST58	1041	451901	
			GT60	1041	458072	
INGERSOLL-RAND YD 90 M MITSUI TR 200 / TOKYO RIUKI YD 90 M			10	R32	330	457837
			10	R38	330	458830
			10	T38	330	457863
Seal / Dichtung / Joint / Empaquetadura		10			454107	
INGERSOLL-RAND EVL 130, VL 140			14	T38	349	451849
			14	T45	349	458880
			14	T38	381	458881
			14	T45	381	458882
		Seal / Dichtung / Joint / Empaquetadura		14		
INGERSOLL-RAND YH 65, YH 70, YH 80 YAMAMOTO YH 70			19	T38	495	457943
			19	T45	495	457954
Seal / Dichtung / Joint / Empaquetadura		19			454163	
INGERSOLL-RAND YH 65 RP, YH 70 RP, YH 80 RP			19	T38	700	458809
			19	T45	700	458810
Seal / Dichtung / Joint / Empaquetadura		19			454163	
INGERSOLL-RAND YH 80 A			19	T45	495	458925
			19	T51	495	458922
Seal / Dichtung / Joint / Empaquetadura		19			454163	

SHANK RANGE





Ingersoll-Rand,
John Henry and
related series



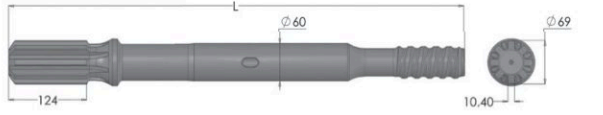
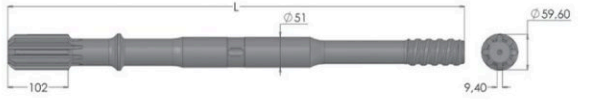
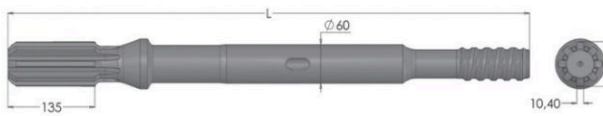
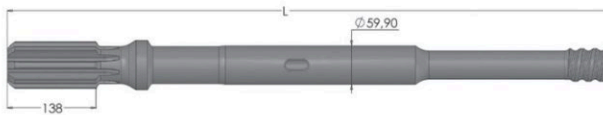

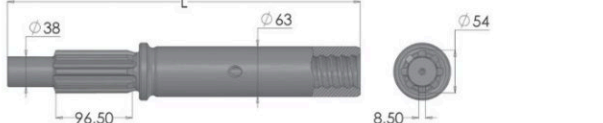
JOY / KLEMM / KRUPP

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
JOY VCR 260, 360		16	R38	450	461813
		16	T38	450	467844
Seal / Dichtung / Joint / Empaquetadura		16			463355
JOY VCR 260, 360 SANDVIK HL 844		16	R38	450	461767
		16	T38	450	467848
		16	T45	450	467920
Seal / Dichtung / Joint / Empaquetadura		16			463355
JOY VCR 361		19	T38	440	468918
		19	T45	440	467930
Seal / Dichtung / Joint / Empaquetadura		19			464163
KLEMM 4026, 4053 R55 / A55 = H55		12.01	*R55 LI	500	461811
			*A55 RE	500	461812
R55 / A55 = H55					
KRUPP HB 5A FLEXI SHAFT Integrierter Spülkopf / Integrated flushhead		13.01	R32	473	461924
KRUPP HB 5A Externer Spülkopf / External flushhead		13.02	R38	470	461910

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part Artikel Nr. N° de réf. Cat. N°
MONTABERT HC 20 FEMALE		14.01		R32	187	461929
		14.02		HEX22 HEX25	199 199	468114 468144
MONTABERT HC 20		14.03		R32 T38	287 300	461933 461986
MONTABERT HC 25 FEMALE		14.04		R28 R32	202 202	468020 461930
		14.05		HEX25	218	468109
MONTABERT HC 25		14.06		R32 R38 T38	340 350 350	461957 461964 468132
		14.07		R32	272	468076
MONTABERT HC 28 FEMALE		14.08		T35	385	468148

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
MONTABERT HC 40		14.09		R32	372	A47938
						
MONTABERT HC 40, HC 50		14.10		R32	372	468977
				R38	380	468817
				T38	381	467984
				R32	440	467986
				R38	440	468848
				T38	447	467985
MONTABERT HC 40, HC 50 FEMALE		14.11		R32	270	467941
						
MONTABERT HC 80, HC 90, HC 105, HC 108, HC 109, HC 120		14.12		R32	440	461895
				R38	440	461797
				T38	440	461824
				R32	500	461983
				R38	500	461815
				T38	500	46N1787

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
MONTABERT HC 80, HC 108, HC 109, HC 120, HC 150		14.13	T38	490	471819
			T45	490	471814
			T38	540	471881
MONTABERT HC 80 RP, HC 105 RP, HC 107 RP, HC 108 RP, HC 109 RP		14.14	T38	670	478837
			T45	670	471825
			T45	771	478953
MONTABERT HC 95, HC 95 SA		14.15	R38	438	471958
			T38	438	471963
			T45	453	471965
			R38	500	471990
			T38	500	471991
MONTABERT HC 95 R, HC 95 LM		14.16	R32	503	478987
			R38	503	471967
			T38	503	471959
			T45	518	471960
MONTABERT HC 95 R, HC 95 LQW		14.17	T45	518	471961
			T51	530	471962
MONTABERT HC 110 CA / CS		14.18	R38	415	471954
			T38	415	471927
			T45	425	471928
			T38	530	471976
MONTABERT HC 110 MT		14.19	R38	460	471984
			T38	460	471985

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
MONTABERT HC 112 LH		14.20		T51	726	471982
				GT60	726	471940
MONTABERT HC 120 RP, HC 150 RP, HC 155 RP, HC 158 RP		14.21		T45	670	478862
				T51	670	471826
				T45	771	478954
				T51	771	478955
MONTABERT HC 160, HC 170		14.22		T45	757	478026
				T45	810	478994
				T51	810	478995
				GT60	810	471975
MONTABERT HC 200 A		14.23		T51	840	478979
				GT60	840	478015
				T51	980	478978
MORATH HBL 21 FEMALE		15.01		R32	375	471992
				R38	375	471993
				TI30	375	471996
				TI40	375	471997
MORATH HBL 70 / 110 FEMALE		15.02		R32	445	471994
				R38	445	471995
				TI30	445	471998
				TI40	445	471999

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°	
SANDVIK HLR 438 L, HLR 438 T SIG HBM 100			16.01	13	R32	380	471766
				13	R38	380	477847
				13	T38	380	477845
Seal / Dichtung / Joint / Empaquetadura			13			474106	
SANDVIK HLX 1, RD 106			16.02			478025	
				R22	265	478024	
				R25	265	478220	
				R28	265	478220	
SANDVIK HL 300			16.03		R32	400	477947
SANDVIK HL 300 S FEMALE			16.04		R32	245	477912
SANDVIK HLR 438 LS, HL 500-38, HL 510-38, HL 538 BL, HL 550 S			16.05		R32	550	477945
				R38	550	477895	
				T38	550	477881	
SANDVIK HL 500-45, HL 510-45			16.06		T38	550	471838
				T45	550	478807	
SANDVIK HL 500 S-38, HL 510 S-38, HL 510 B, HL 510 LH			16.07		R32	450	477909
				T35	450	477902	
				R38	450	477914	
				T38	450	477910	
				R38	500	478821	

SHANK ADAPTERS

Bohrhammer Marteau perforateur Martillo perforador	Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Gewinde Filet Rosca	Länge Longueur Largo [mm]	Artikel Nr. N° de réf. Cat. N°
SANDVIK HL 510 S-45, HL 550 SUPER M92, HL 560 SUPER		16.08	R32	500	471837
			R38	500	477977
			T38	500	477976
SANDVIK HLX 5, HLX 5 T, HFX 5 T 10 Splines, 10 Flügel		16.09	R32	500	478959
			R38	500	478960
			T38	500	478952
			T45	500	478973
			R38	575	478064
			T38	575	478988
SANDVIK HLX 5, HLX 5 T, HFX 5 T 10 Splines, 10 Flügel		16.10	T45	575	478984
			T38	600	478983
			R32	750	478143
SANDVIK HLX 5 PE-45 8 Splines, 8 Flügel		16.11	T38	750	471890
			T45	750	471891
			R32	575	471887
			T35	575	478082
SANDVIK HLX 5 PE-45 8 Splines, 8 Flügel		16.12	T38	575	471888
			T45	575	478158
			R32	735	478021
			R38	735	478030
SANDVIK HL 600-45		16.13	T38	735	478006
			T45	735	478042
			T38	600	477882
SANDVIK HL 650-45, HL 700-45, HL 700 T-45, HL 710-45, HL 800 T-45, HL 810 T-45		16.14	T45	600	477893
			T38	600	478877
			T45	600	478876

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
SANDVIK HL 650-52, HL 700-52, HL 700 PE-52, HL 700 S-52, HL 710-52, HL 710 PE-52, HL 710 S-52, HL 710 SPE-52, HL 800 T-52, HL 800 PE-52, HL 810 T-52, HF 810 T-52 DOOFOR DF 600 S, DF 700 S	16.15			R32	600	488180
				T35	600	488159
				T38	600	488956
				T45	600	488899
				XT45	600	488075
				T51	600	488900
				XT51	600	488013
SANDVIK HL 1000-52, HL 1000 S-52, HL 1010-52, HL 1010 S-52	16.16			T45	590	487896
				T51	590	487878
				T45	670	487913
				T51	670	487926
SANDVIK HL 1000-60, HL 1010-60	16.17			T51	670	488162
				ST58	670	487931
				GT60	670	488007
SANDVIK HL 1000 PE-65, HL 1010 PE-65, HL 1060 T / PE-65, HL 1500 T / PE-65, HL 1560 T / PE-65, HF 1560, HF 1560 PE, RD 1635 CF	16.18			T51	760	488011
				ST58	760	481870
				GT60	760	488009
				T-WiZ60	760	488130
SANDVIK HL 1000 T-80, HL 1010 T-80	16.19			GT60	760	488022
SANDVIK HL 1500-60, HL 1500 T-60	16.20			ST58	710	488916
				GT60	760	488008

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
SANDVIK	HL 1500-80, HL 1560 T-80, HL 1060 T-80, HF 1560	16.21		ST58 ST68	635 635	488043 488152
SANDVIK	HL 1500-80, HL 1560 T-80, HL 1060 T-80, HF 1560	16.22		GT60 XT51	760 860	488063 488070
SANDVIK	HL 1500 T / PE-90, HL 1500 ST / PE-90, HL 1560 T / PE-90, HL 1560 ST / PE-90, RD 1635 CF PE, Shoulder drive	16.23		ST58 ST68	635 635	488135 488136
SANDVIK	HL 1500 T / PE-90, HL 1500 ST / PE-90, HL 1560 T / PE-90, HL 1560 ST / PE-90, RD 1635 CF PE, Shoulder drive	16.24		GT60	760	488062
SANDVIK	RD 308, RD 314, RD 414, HLX 3 (F), FEMALE	16.25		R32	205	488060
SANDVIK	RD 308, RD 314, RD 414, HLX 3	16.26		R32 T38	410 410	488187 488186

Bohrhammer Marteau perforateur Martillo perforador		Illustration Bild Illustration Ilustración	Tube Spülrohr Trou d'injection Tubo Ø [mm]	Thread Gewinde Filet Rosca	Length Länge Longueur Largo [mm]	Part No. Artikel Nr. N° de réf. Cat. N°
SANDVIK RD 520, RD 525 10 Splines, 10 Flügel		16.27		R38 T38 T45	525 525 525	488059 488047 488163
SANDVIK RD 520 PE-45, RD 525 PE-45 8 Splines, 8 Flügel		16.28		R32 T38	600 600	488077 488055
SANDVIK RD 900, RD 900 PE, RD 900 PE/RP		16.29		R32 T38 T45	600 600	488058 488046 488054 488254
SANDVIK RD 1635CF-80		16.30		T45 T51	600 600	488080 488100 488242 488224
SECOMA HYDRASTAR 200 FEMALE INGERSOLL-RAND HYDRASTAR 200		17.01		GT60	760	488139
				R32	351	487927

DTH HAMMERS

Hard rock tools



HAMMER PARTS

Bits, couplings and
more

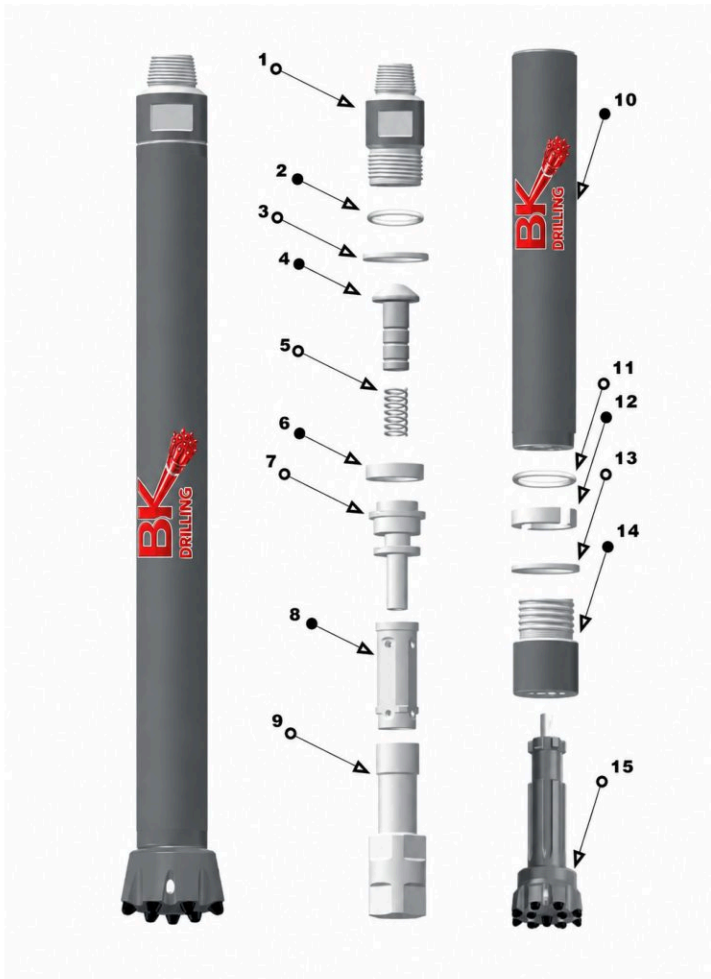


DTH SERIES

Hammer and bit
solutions



DHH35 DTH HAMMER



Description	Weight (Kg)	Model
1-Top Sub	4.2	484120
2- O-ring	0.01	469138
3-Check Valve	0.2	424264
4-Spring	0.02	434472
5-Compression Buffer	0.02	464049
6-Air Distributor	1.4	473072
7-Internal Cylinder	1.6	432986
8-Piston	5.4	498654
9-External Cylinder	9.5	439631
10- O-ring	0.01	468561
11-Stop Ring	0.2	430911
12-Drive Chuck	1.95	498909
13-Drill Bit	5	404471

Length (Excluding bit)	930mm	Hole Range	φ90—φ110	Recommended rotation speed	28r/min	
External Diameter	24.50Kg	Connection Thread	API 2 3/8" Reg			
Description	φ81mm	Working air pressure	0.5—2.5Mpa	Air Consumption	10bar	80L/s
Description	IR3.5"	Impact frequency at 17Bar	28Hz		18bar	160L/s
	Cop34				24bar	210L/s

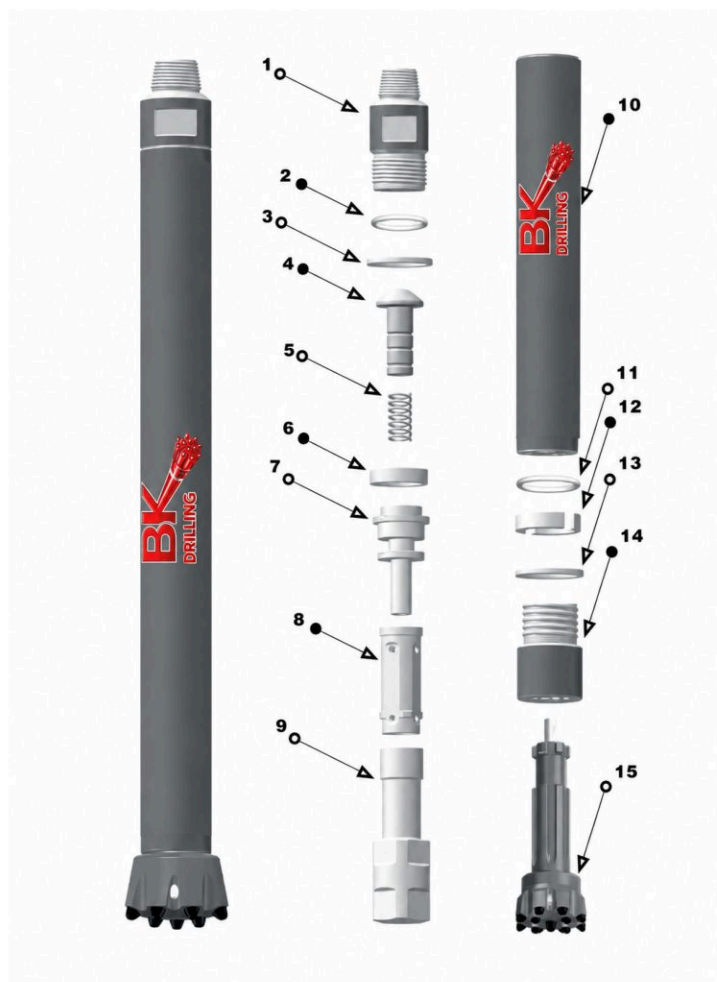
According to requirement of client, top sub can be made as the design with double spanners and protected with tungsten carbide inserts; Quantity of air guide holes on the check valve can be increased to enhance flushing of rock cuttings.

BITS FOR 3" DTH HAMMER

Drill Bit	Bit Diameter	Flushing	Gauge	Front	Weight	Model
	(mm)	Holes	Buttons	Buttons	(Kg)	
 <p>Cop32</p>	85	2	6×φ14	4×φ12	4.2	189475
	90	2	6×φ14	5×φ12	4.5	167858
	95	2	7×φ14	5×φ12	4.7	171180
	100	2	8×φ14	6×φ12	5	184682
	105	2	8×φ14	6×φ13	5.3	130047
 <p>BR3</p>	85	2	6×φ14	4×φ12	3.8	123445
	90	2	6×φ14	5×φ12	4	116545
	95	2	7×φ14	5×φ12	4.3	143780
	100	2	8×φ14	6×φ12	4.8	136715
	105	2	8×φ14	6×φ13	5.2	118358
 <p>DHD3.5 Cop34</p>	85	2	6×φ14	4×φ12	4.2	195655
	90	2	6×φ14	5×φ12	4.5	111318
	95	2	7×φ14	5×φ12	4.8	131792
	100	2	8×φ14	6×φ12	5	141198
	105	2	8×φ14	6×φ13	5.5	145104
 <p>XL3</p>	85	2	6×φ14	4×φ12	4.5	171839
	90	2	6×φ14	5×φ12	4.7	189498
	95	2	7×φ14	5×φ12	4.9	136908
	100	2	8×φ14	6×φ12	5	120112
	105	2	8×φ14	6×φ13	5.5	115835

Optional:FF--Flat face; CC---Concave;CV---Convex

DHH45 DTH HAMMER



Description	Weight (Kg)	Model
1-Top Sub	8.7	415808
2- O-ring	0.01	493559
3-Check Valve	0.42	485277
4-Spring	0.04	435377
5-Compression Buffer	0.04	460166
6-Air Distributor	2.2	409994
7-Internal Cylinder	2.3	423197
8-Piston	8.8	490396
9-External Cylinder	14.8	476476
10- O-ring	0.01	454418
11-Stop Ring	0.2	410959
12-Drive Chuck	3.42	433157
13-Drill Bit	8.3	482926

Length (Excluding bit)	1030mm	Hole Range	φ110—φ135	Recommended rotation speed	25-40r/min	
Weight (Excluding bit)	39.20Kg	Connection Thread	API 2 3/8" Reg			
External Diameter	φ99mm	Working air pressure	0.5—2.5Mpa	Air Consumption	10bar	100L/s
Bit Shank	Cop44	Impact frequency at 17Bar	27Hz		18bar	180L/s
	DHD340				24bar	250L/s

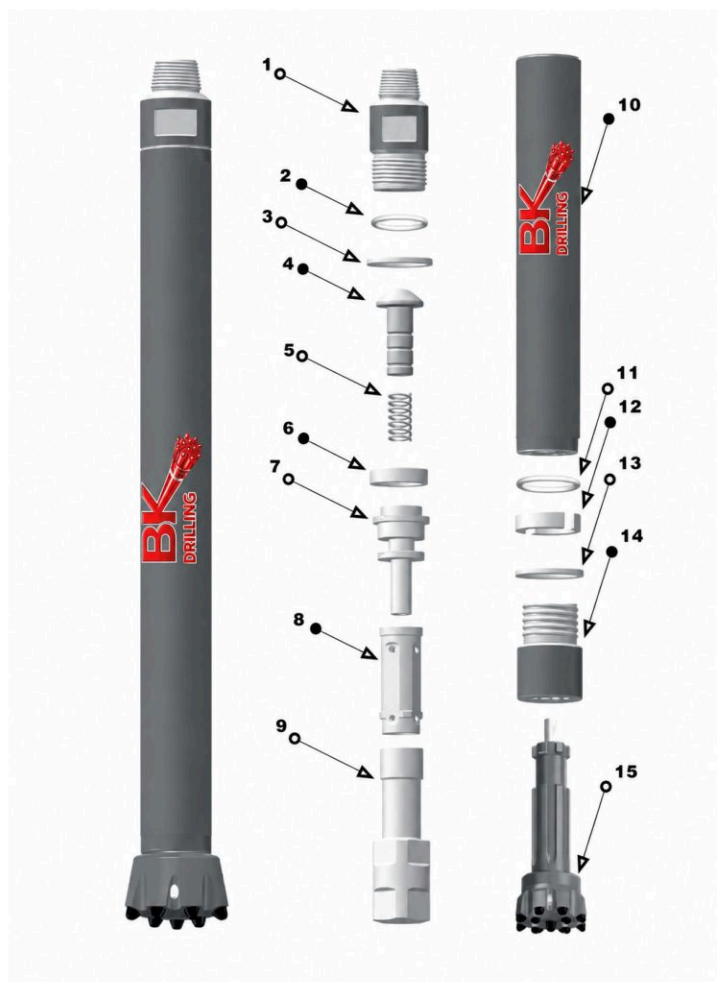
According to requirement of client, top sub can be made as the design with double spanners and protected with tungsten carbide inserts; Quantity of air guide holes on the check valve can be increased to enhance flushing of rock cuttings.

DTH BITS FOR 4" DTH HAMMER

Drill Bit	Bit Diameter	Flushing	Gauge	Front	Weight	Model
	(mm)	Holes	Buttons	Buttons	(Kg)	
 <p>DHD340A Cop44</p>	105	2	6×φ14	5×φ13	8.5	186635
	110	2	7×φ14	6×φ13	8.8	121082
	115	2	8×φ14	7×φ13	9	177155
	120	2	8×φ14	8×φ13	9.8	192080
	127	3	9×φ14	9×φ14	11	127320
 <p>SD4</p>	105	2	6×φ14	5×φ13	9	152571
	110	2	7×φ14	6×φ13	9.5	119602
	115	2	8×φ14	7×φ13	9.8	164718
	120	2	8×φ14	8×φ13	11.5	101546
	127	3	9×φ14	9×φ14	12.3	188542
 <p>QL40</p>	105	2	6×φ14	5×φ13	9	115286
	110	2	7×φ14	6×φ13	9.2	123964
	115	2	8×φ14	7×φ13	9.5	141762
	120	2	8×φ14	8×φ13	10.3	135802
	127	3	9×φ14	9×φ14	11.5	191584
 <p>Mission40</p>	105	2	6×φ14	5×φ13	6	192989
	110	2	7×φ14	6×φ13	6.2	139605
	115	2	8×φ14	7×φ13	6.6	199131
	120	2	8×φ14	8×φ13	7	100109
	127	3	9×φ14	9×φ14	7.4	160680

Optional:FF--Flat face; CC---Concave;CV---Convex

DHH55 DTH HAMMER



Description	Weight (Kg)	Model
1-Top Sub	13.2	479528
2- O-ring	0.01	465369
3-Check Valve	0.8	407196
4-Spring	0.04	491132
5-Compression Buffer	0.06	472003
6-Air Distributor	3.8	430255
7-Internal Cylinder	4	416418
8-Piston	17.5	416490
9-External Cylinder	25	483502
10- O-ring	0.01	440725
11-Stop Ring	0.3	449634
12-Drive Chuck	6.4	431546
13-Drill Bit	16	404330

Length (Excluding bit)	1170mm	Hole Range	Φ135—Φ155	Recommended rotation speed	20-30r/min	
Weight (Excluding bit)	71.5Kg	Connection Thread	API 2 3/8" or 3 1/2" Reg			
External Diameter	Φ125mm	Working air pressure	0.5—2.5Mpa	Air Consumption	10bar	145L/s
Bit Shank	Cop54	Impact frequency at 17Bar	25Hz		18bar	280L/s
	DHD350R				24bar	390L/s

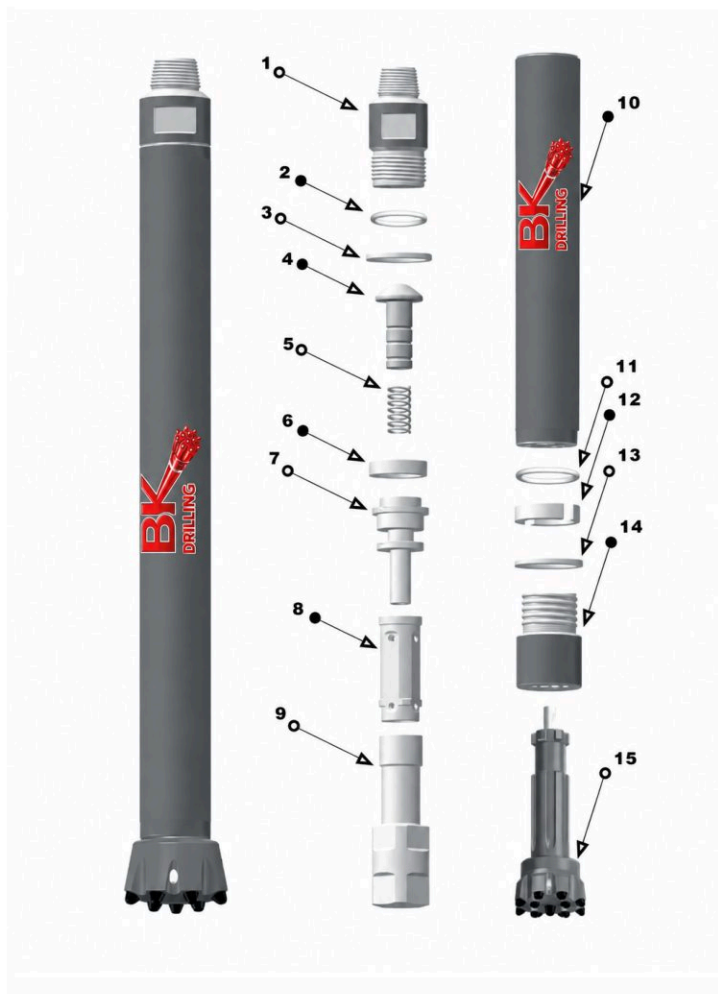
According to requirement of client, top sub can be made as the design with double spanners and protected with tungsten carbide inserts; Quantity of air guide holes on the check valve can be increased to enhance flushing of rock cuttings.

DTH BITS FOR 5" DTH HAMMER

Drill Bit	Bit Diameter	Flushing	Gauge	Front	Weight	Model
	(mm)	Holes	Buttons	Buttons	(Kg)	
 <p>DHD350R Cop54</p>	133	2	7×φ16	6×φ14	16	176544
	140	2	8×φ16	7×φ14	16.5	118336
	146	2	8×φ16	8×φ14	17	144210
	152	2	8×φ16	7×φ16	17.5	139446
	165	2	8×φ16	8×φ16	18.5	140189
 <p>SD5</p>	133	2	7×φ16	6×φ14	15.5	155782
	140	2	8×φ16	7×φ14	16	111234
	146	2	8×φ16	8×φ14	16.5	180497
	152	2	8×φ16	7×φ16	17	155292
	165	2	8×φ16	8×φ16	18	120628
 <p>QL50</p>	133	2	7×φ16	6×φ14	15.5	159913
	140	2	8×φ16	7×φ14	16	134371
	146	2	8×φ16	8×φ14	16.5	127834
	152	2	8×φ16	7×φ16	17	160951
	165	2	8×φ16	8×φ16	18	185427
 <p>Mission50</p>	133	2	7×φ16	6×φ14	12.5	172545
	140	2	8×φ16	7×φ14	13.5	141356
	146	2	8×φ16	8×φ14	14	152830
	152	2	8×φ16	7×φ16	14.4	194083
	165	2	8×φ16	8×φ16	15	143647

Optional:FF--Flat face; CC---Concave;CV---Convex

DHH65 DTH HAMMER



Description	Weight (Kg)	Model
1-Top Sub	17	491012
2- O-ring	0.02	469808
3-Breakout Ring	0.8	428785
4-Check Valve	0.04	452256
5-Spring	0.08	469977
6-Compression Buffer	5.2	454082
7-Air Distributor	5.2	468553
8-Internal Cylinder	23.6	497191
09-Piston	36.8	448989
10-External Cylinder	2.4	467418
11- O-ring	0.02	440866
12-Stop Ring	0.6	474018
13-Breakout Ring	6	495989
14-Drive Chuck	26	415871

Length (Excluding bit)	1248mm	Hole Range	Φ155—Φ190	Recommended rotation speed	15-25r/min	
Weight (Excluding bit)	98.00Kg	Connection Thread	API 3 1/2" Reg			
External Diameter	Φ142mm	Working air pressure	0.5—2.5Mpa	Air Consumption	10bar	175L/s
Bit Shank	Cop64	Impact frequency at 17Bar	23Hz		18bar	340L/s
	DHD360				24bar	475L/s

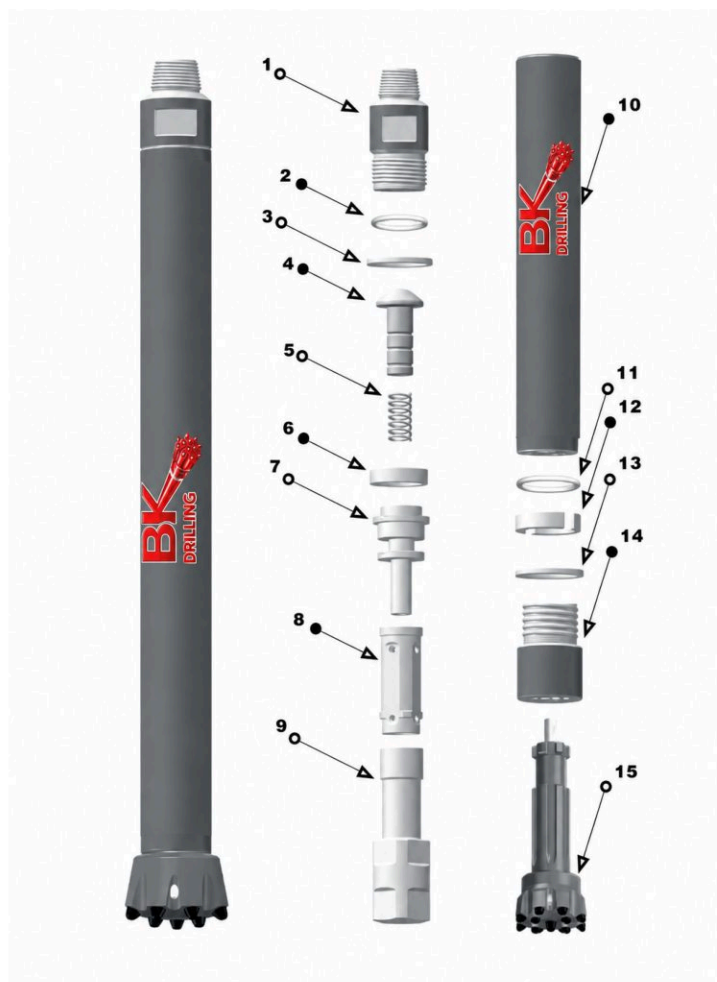
According to requirement of client, top sub can be made as the design with double spanners and protected with tungsten carbide inserts; Quantity of air guide holes on the check valve can be increased to enhance flushing of rock cuttings.

DTH BITS FOR 6" DTH HAMMER

Drill Bit	Bit Diameter	Flushing	Gauge	Front	Weight	Model
	(mm)	Holes	Buttons	Buttons	(Kg)	
 <p>DHD360 Cop64</p>	152	2	8×φ16	8×φ16	22	143768
	165	2	8×φ18	8×φ16	24	159821
	178	2	8×φ18	8×φ16	26	120188
	190	3	9×φ18	9×φ16	28	169738
	203	2	10×φ18	10×φ16	29.5	129904
 <p>SD6</p>	152	2	8×φ16	8×φ16	26	107558
	165	2	8×φ18	8×φ16	27	198746
	178	2	8×φ18	8×φ16	29	183646
	190	3	9×φ18	9×φ16	32	160006
	203	2	10×φ18	10×φ16	34	129482
 <p>QL60</p>	152	2	8×φ16	8×φ16	24	141129
	165	2	8×φ18	8×φ16	25	161286
	178	2	8×φ18	8×φ16	27	142172
	190	3	9×φ18	9×φ16	29	142228
	203	2	10×φ18	10×φ16	33	107892
 <p>Mission60</p>	152	2	8×φ16	8×φ16	22	110613
	165	2	8×φ18	8×φ16	23	168987
	178	2	8×φ18	8×φ16	24	171654
	190	3	9×φ18	9×φ16	25	165774
	203	2	10×φ18	10×φ16	28	141908

Optional:FF--Flat face; CC---Concave;CV---Convex

DHH85 DTH HAMMER



Description	Weight (Kg)	Model
1-Top Sub	42	415871
2- O-ring	0.02	406036
3-Breakout Ring	0.2	493140
4-Check Valve	1.2	493141
5-Spring	0.1	491666
6-Compression Buffer	0.42	436421
7-Air Distributor	13.4	488835
8-Internal Cylinder	8.2	458384
09-Piston	41.8	494731
10-External Cylinder	62.8	405675
11- O-ring	0.02	401585
12-Stop Ring	1.4	479617
13-Breakout Ring	0.2	439685
14-Drive Chuck	17	446162
15-Drill Bit	40	466456

Length (Excluding bit)	1487mm	Hole Range	Φ195—Φ254	Recommended rotation speed	14r/min	
Weight (Excluding bit)	188Kg	Connection Thread	API 4 1/2" Reg			
External Diameter	Φ180mm	Working air pressure	0.5—2.5Mpa	Air Consumption	10bar	190L/s
Bit Shank	Cop84	Impact frequency at 17Bar	20Hz		18bar	370L/s
	DHD380				24bar	

According to requirement of client, top sub can be made as the design with double spanners and protected with tungsten carbide inserts; Quantity of air guide holes on the check valve can be increased to enhance flushing of rock cuttings.

DTH BITS FOR 8" DTH HAMMER

Drill Bit	Bit Diameter	Flushing	Gauge	Front	Weight	Model
	(mm)	Holes	Buttons	Buttons	(Kg)	
 <p>DHD380 Cop84</p>	195	3	9×φ18	9×φ18	34	100979
	203	2	10×φ18	10×φ18	36	181708
	216	3	12×φ18	12×φ18	45	141877
	254	3	12×φ18	20×φ18	58	108855
	305	4	12×φ18	30×φ18	75	162912
 <p>SD8</p>	195	3	9×φ18	9×φ18	33	153461
	203	3	10×φ18	10×φ18	37	111413
	216	4	12×φ18	12×φ18	42	195360
	254	4	12×φ18	20×φ18	53	189457
	305	4	12×φ18	30×φ18	80	162612
 <p>QL80</p>	195	3	9×φ18	9×φ18	33	186122
	203	3	10×φ18	10×φ18	37.5	104857
	216	4	12×φ18	12×φ18	42	181634
	254	4	12×φ18	20×φ18	54	129101
	305	4	12×φ18	30×φ18	82	127310
 <p>Mission80</p>	195	3	9×φ18	9×φ18	33	189681
	203	3	10×φ18	10×φ18	37.5	152327
	216	4	12×φ18	12×φ18	42	182523
	254	4	12×φ18	20×φ18	54	165901
	305	4	12×φ18	30×φ18	82	172947

Optional:FF--Flat face; CC---Concave;CV---Convex

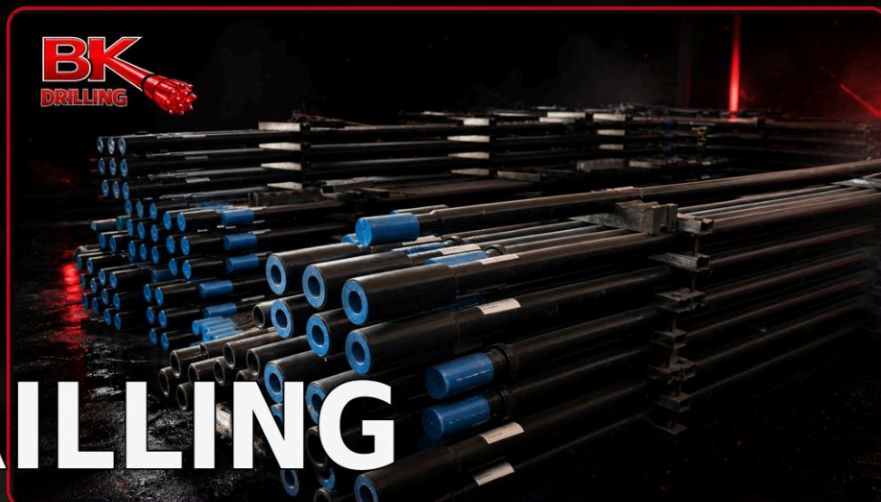
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Field-ready tools



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TOP HAMMER TOOLS

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