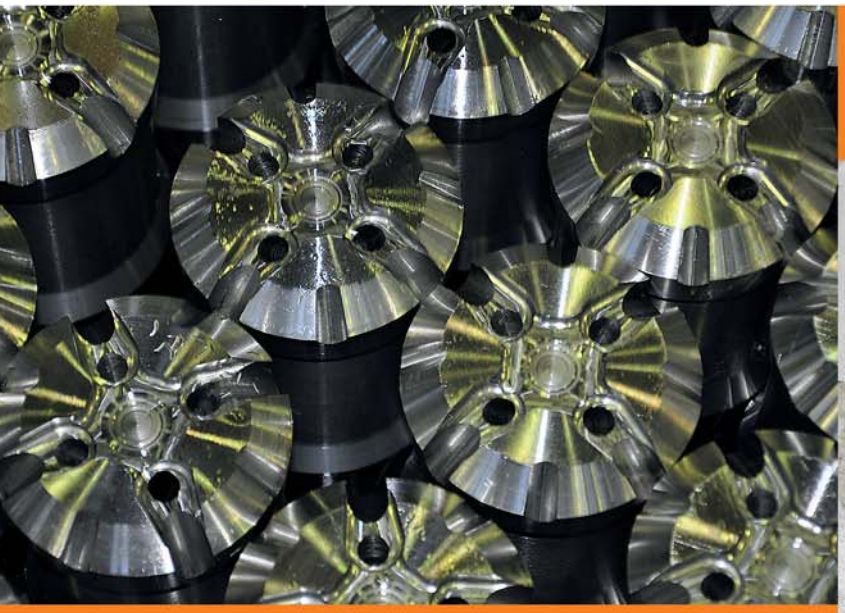
DRIFTING AND TUNNELING

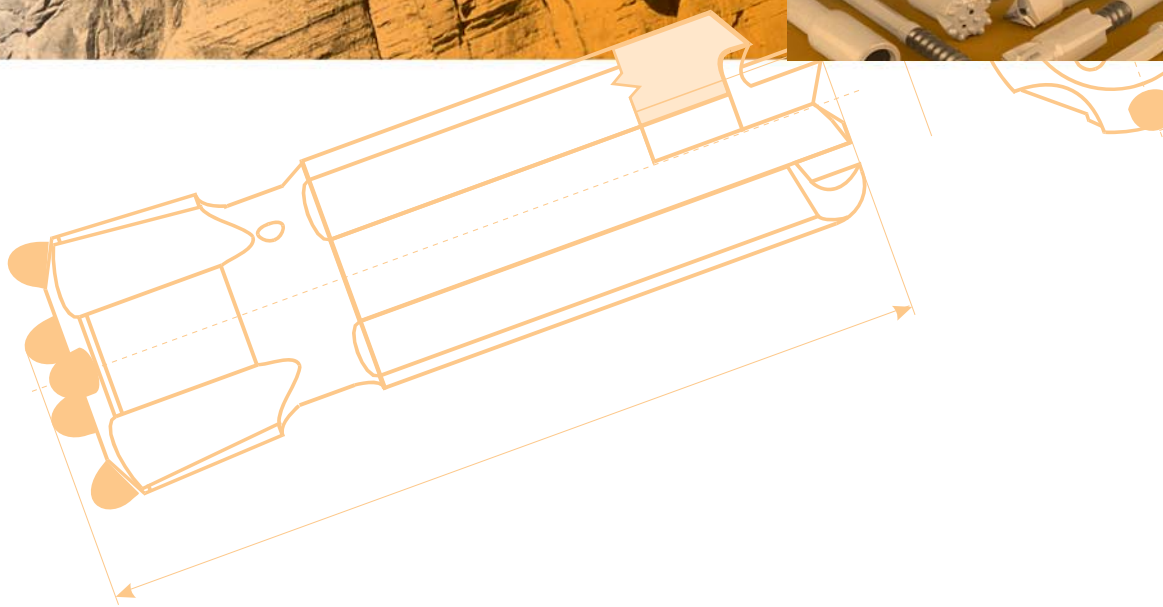
CATALOGUE

qonar



GONAR Co. Ltd. has been operating on the international market since 1974. We have 40 years of expertise in manufacturing of mining, tunnelling & geotech tools. Using raw materials only from certified suppliers in combination with high-tech innovative production facilities, we can guarantee high quality of fully carburised drill steels. Our R&D Department equipped with a testing lab and our Sinter Plant producing carbides in controlled vacuum ovens, assure high manufacturing quality.

We offer a wide range of products with carbide sinters and have the possibility to quickly turn around on prototype tooling and urgent requirements. To sum up we are a dynamic company with an aim to become leaders in technology and product innovation.



Bits, Rods, Couplings, Bit Adapters

– R22	Page	2-3
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– R28	Page	11-15
– R32	Page	16-23
– GR34	Page	24-27
– R35	Page	28-35
– R38	Page	34-37
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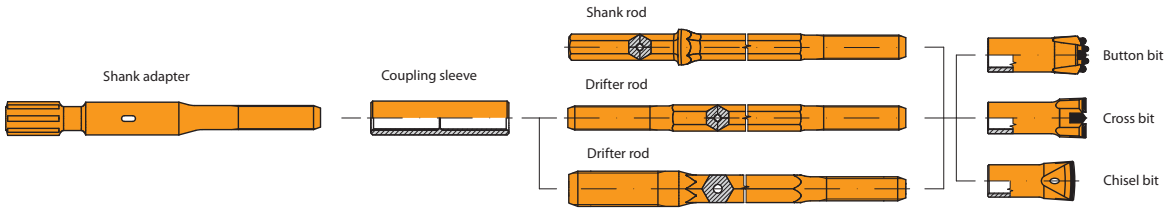
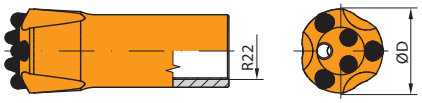


Button bit, Type D45



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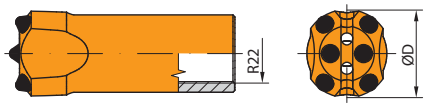

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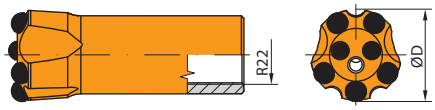
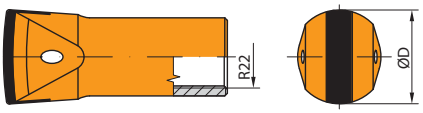
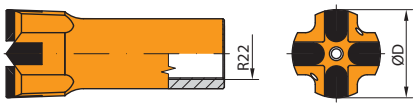


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	D45030R2205R
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	D45030R2205S
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	D45032R2205R
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	D45032R2205S
33	1 19/64	1 x 5	1 x 5	3 x 8	2 x 7	D45033R2205R
33	1 19/64	1 x 5	1 x 5	3 x 8	2 x 7	D45033R2205S
35	1 3/8	1 x 5	1 x 5	3 x 9	2 x 7	D45035R2205R
35	1 3/8	1 x 5	1 x 5	3 x 9	2 x 7	D45035R2205S
32	1 1/4	-	2 x 5	4 x 7	2 x 6	D46032R2205R
32	1 1/4	-	2 x 5	4 x 7	2 x 6	D46032R2205S
33	1 19/64	-	2 x 5	4 x 7	2 x 7	D46033R2205R
33	1 19/64	-	2 x 5	4 x 7	2 x 7	D46033R2205S
35	1 3/8	-	2 x 5	4 x 8	2 x 7	D46035R2205R
35	1 3/8	-	2 x 5	4 x 8	2 x 7	D46035R2205S
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2205R
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2205S
38	1 1/2	-	2 x 5	4 x 9	2 x 7	D46038R2205R
38	1 1/2	-	2 x 5	4 x 9	2 x 7	D46038R2205S
41	1 5/8	-	2 x 5	4 x 9	2 x 8	D46041R2205R
41	1 5/8	-	2 x 5	4 x 9	2 x 8	D46041R2205S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	D47032R2205R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	D47032R2205S
33	1 19/64	1 x 5	1 x 5	5 x 7	2 x 7	D47033R2205R
33	1 19/64	1 x 5	1 x 5	5 x 7	2 x 7	D47033R2205S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	D47035R2205R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	D47035R2205S
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2205R
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2205S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2205R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2205S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2205R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2205S

Chisel bit, Type D41



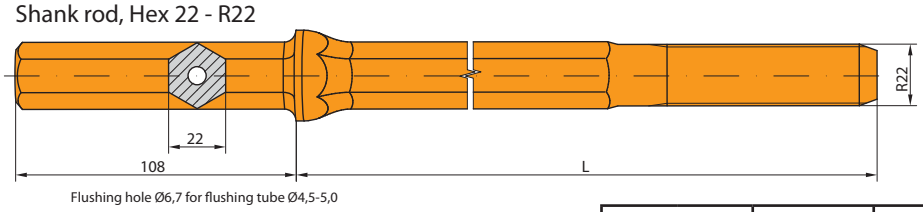
Cross bit, Type D42



Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
30	1 3/16	2 x 5	-	D41030R2202
32	1 1/4	2 x 5	-	D41032R2202
35	1 3/8	2 x 5	-	D41035R2202
38	1 1/2	2 x 5	-	D41038R2202
41	1 5/8	2 x 5	-	D41041R2202
43	1 11/16	2 x 6	-	D41043R2202
45	1 3/4	2 x 6	-	D41045R2202
30	1 3/16	2 x 5	1 x 4,5	D42030R2202
32	1 1/4	2 x 5	1 x 4,5	D42032R2202
35	1 3/8	2 x 5	1 x 4,5	D42035R2202
38	1 1/2	2 x 5	1 x 4,5	D42038R2202
41	1 5/8	2 x 5	1 x 4,5	D42041R2202
45	1 3/4	2 x 5	1 x 4,5	D42045R2202

R22 – Rods, Coupling sleeve

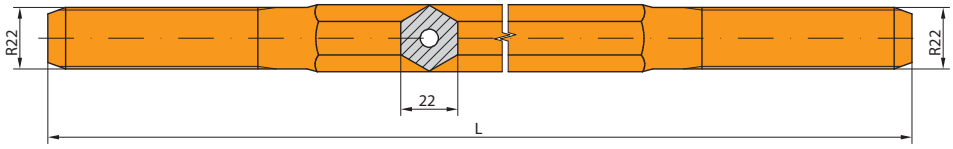
Shank rod, Hex 22 - R22



Flushing hole Ø6,7 for flushing tube Ø4,5-5,0

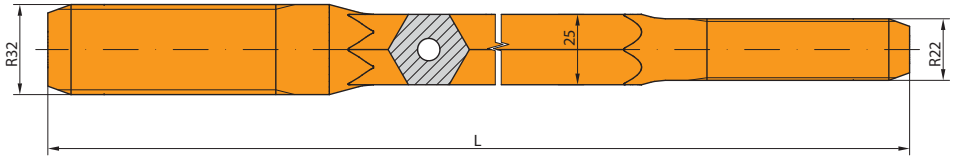
Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
22	⅞	R22	610	2	-	25117060
22	⅞	R22	760	2	6	25117076
22	⅞	R22	1600	5	3	25117160
22	⅞	R22	1830	6	-	25117183
22	⅞	R22	2435	8	-	25117243
22	⅞	R22	3050	10	-	25117305
22	⅞	R22	3660	12	-	25117366

Drifter rod, R22 - Hex 22 - R22



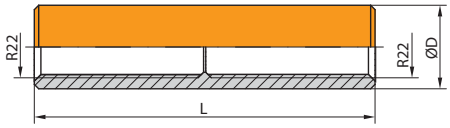
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
22	⅞	R22/R22	610	2	-	24717061
22	⅞	R22/R22	760	2	6	24717076
22	⅞	R22/R22	1600	5	3	24717160
22	⅞	R22/R22	1830	6	-	24717183
22	⅞	R22/R22	2435	8	-	24717243
22	⅞	R22/R22	3050	10	-	24717305
22	⅞	R22/R22	3660	12	-	24717366

Drifter rod, R32 - Hex 25 - R22

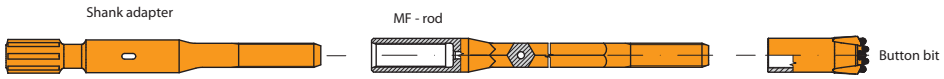


Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R32/R22	610	2	-	20417061
25	1	R32/R22	760	2	6	20417076
25	1	R32/R22	1600	5	3	20417160
25	1	R32/R22	1830	6	-	20417183
25	1	R32/R22	2435	8	-	20417243
25	1	R32/R22	3050	10	-	20417305
25	1	R32/R22	3660	12	-	20417366

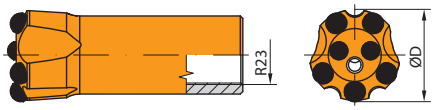
Coupling sleeve R22



Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
32	1 ¼	R22/R22	140	5 ½	3971700

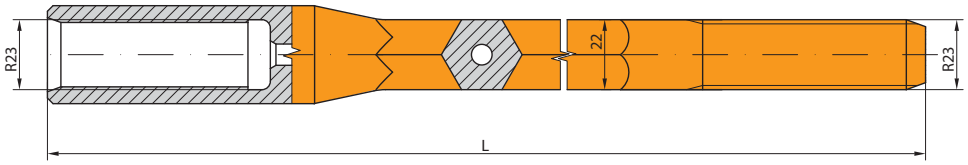


Button bit, Type D47



Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
33	1 19/64	1 x 6	1 x 4	5 x 7	2 x 7	D47033R2305R
33	1 19/64	1 x 6	1 x 4	5 x 7	2 x 7	D47033R2305S
35	1 3/8	1 x 6	1 x 6	5 x 8	2 x 7	D47035R2305R
35	1 3/8	1 x 6	1 x 6	5 x 8	2 x 7	D47035R2305S
38	1 ½	1 x 6	1 x 6	5 x 8	2 x 7	D47038R2305R
38	1 ½	1 x 6	1 x 6	5 x 8	2 x 7	D47038R2305S
41	1 5/8	1 x 6	1 x 6	5 x 9	2 x 8	D47041R2305R
41	1 5/8	1 x 6	1 x 6	5 x 9	2 x 8	D47041R2305S

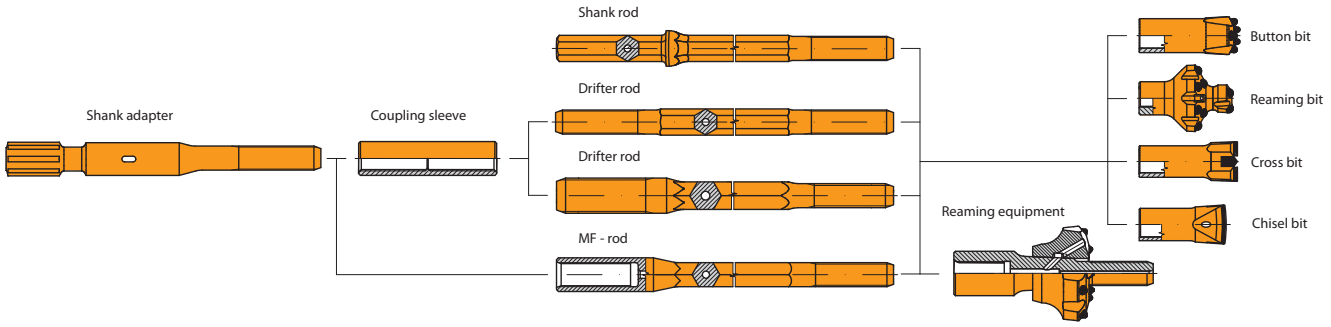
MF- rod, R23 - Hex 22 - R23



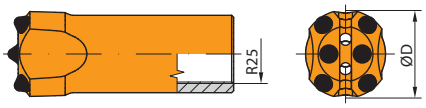
Female end ØD 31mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
22	7/8	R23/R23	915	3	-	11H22R23R23091
22	7/8	R23/R23	1220	4	-	11H22R23R23122
22	7/8	R23/R23	1525	5	-	11H22R23R23152
22	7/8	R23/R23	1830	6	-	11H22R23R23183
22	7/8	R23/R23	2435	8	-	11H22R23R23243
22	7/8	R23/R23	3050	10	-	11H22R23R23305
22	7/8	R23/R23	3660	12	-	11H22R23R23366
22	7/8	R23/R23	4305	13	1 ½	11H22R23R23430

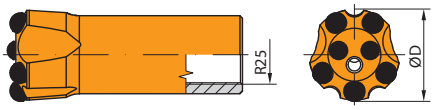
R25 – Bits



Button bit, Type D46



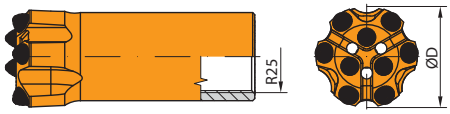
Button bit, Type D47



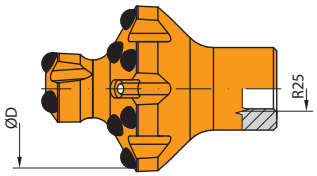
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
33	1 19/64	-	2 x 5	4 x 7	2 x 7	D46033R2505R
33	1 19/64	-	2 x 5	4 x 7	2 x 7	D46033R2505S
35	1 3/8	-	2 x 5	4 x 8	2 x 7	D46035R2505R
35	1 3/8	-	2 x 5	4 x 8	2 x 7	D46035R2505S
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2505R
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2505S
38	1 1/2	-	2 x 5	4 x 9	2 x 7	D46038R2505R
38	1 1/2	-	2 x 5	4 x 9	2 x 7	D46038R2505S
41	1 5/8	-	2 x 6	4 x 9	2 x 8	D46041R2505R
41	1 5/8	-	2 x 6	4 x 9	2 x 8	D46041R2505S
43	1 11/16	-	2 x 6	4 x 10	2 x 8	D46043R2505R
43	1 11/16	-	2 x 6	4 x 10	2 x 8	D46043R2505S
45	1 3/4	-	2 x 6	4 x 10	2 x 9	D46045R2505R
45	1 3/4	-	2 x 6	4 x 10	2 x 9	D46045R2505S
33	1 19/64	1 x 5	1 x 5	5 x 7	2 x 7	D47033R2505R
33	1 19/64	1 x 5	1 x 5	5 x 7	2 x 7	D47033R2505S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	D47035R2505R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	D47035R2505S
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2505R
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2505S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2505R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2505S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2505R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2505S
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	D47043R2505R
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	D47043R2505S
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	D47045R2505R
45	1 3/4	1 x 6	1 x 5	5 x 10	2 x 9	D47045R2505S

R25 – Bits

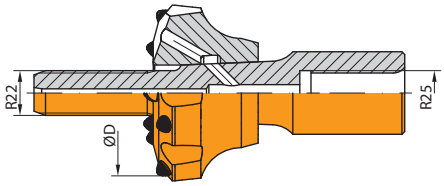
Button bit, Type D49



Reaming bit, Type D51

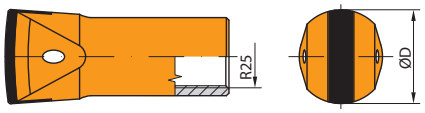


Reaming equipment, Type D50

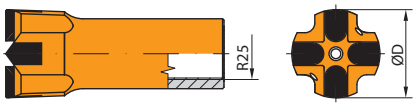


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
35	1 3/8	-	3 x 5	6 x 7	3 x 7	D49035R2505R
35	1 3/8	-	3 x 5	6 x 7	3 x 7	D49035R2505S
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	D49037R2505R
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	D49037R2505S
38	1 ½	1 x 5	3 x 5	6 x 8	3 x 7	D49038R2505R
38	1 ½	1 x 5	3 x 5	6 x 8	3 x 7	D49038R2505S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	D49041R2505R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	D49041R2505S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043R2505R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043R2505S
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R2505R
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R2505S
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	D49048R2505R
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	D49048R2505S
51	2	1 x 5	3 x 5	6 x 10	3 x 9	D49051R2505R
51	2	1 x 5	3 x 5	6 x 10	3 x 9	D49051R2505S
64	2 ½	-	4 x 5	8 x 9	7 x 8	D51064R2505R
64	2 ½	-	4 x 5	8 x 9	7 x 8	D51064R2505S
76	3	-	4 x 5	8 x 10	7 x 9	D51076R2505R
76	3	-	4 x 5	8 x 10	7 x 9	D51076R2505S
89	3 ½	-	4 x 5	8 x 12	7 x 10	D51089R2505R
89	3 ½	-	4 x 5	8 x 12	7 x 10	D51089R2505S
102	4	-	4 x 5	8 x 13	7 x 13	D51102R2505R
102	4	-	4 x 5	8 x 13	7 x 13	D51102R2505S
64	2 ½	-	2 x 5	8 x 9	4 x 8	D50064R25R2205R
64	2 ½	-	2 x 5	8 x 9	4 x 8	D50064R25R2205S
76	3	-	2 x 5	8 x 10	4 x 10	D50076R25R2205R
76	3	-	2 x 5	8 x 10	4 x 10	D50076R25R2205S
89	3 ½	-	2 x 5	8 x 10	6 x 10	D50089R25R2205R
89	3 ½	-	2 x 5	8 x 10	6 x 10	D50089R25R2205S
105	4 5/32	-	2 x 5	8 x 12	4 x 12	D50105R25R2205R
105	4 5/32	-	2 x 5	8 x 12	4 x 12	D50105R25R2205S

Chisel bit, Type D41

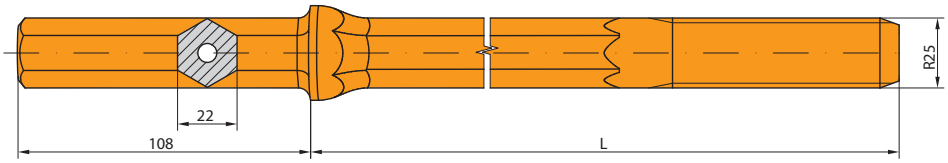


Cross bit, Type D42



Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
35	1 ⅜	2 x 5	-	D41035R2502
38	1 ½	2 x 5	-	D41038R2502
41	1 ⅝	2 x 5	-	D41041R2502
43	1 ¹¹⁄₁₆	2 x 6	-	D41043R2502
45	1 ¾	2 x 6	-	D41045R2502
48	1 ⅞	2 x 6	-	D41048R2502
51	2	2 x 6	-	D41051R2502
35	1 ⅜	2 x 5	1 x 4,5	D42035R2502
38	1 ½	2 x 5	1 x 4,5	D42038R2502
41	1 ⅝	2 x 5	1 x 4,5	D42041R2502
43	1 ¹¹⁄₁₆	2 x 5	1 x 4,5	D42043R2502
45	1 ¾	2 x 5	1 x 4,5	D42045R2502
48	1 ⅞	2 x 5	1 x 5	D42048R2502
51	2	2 x 5	1 x 5	D42051R2502

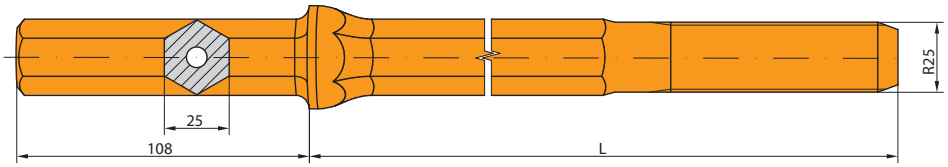
Shank rod, Hex 22 - R25



Flushing hole Ø6,7mm for flushing tube Ø4,5-5,0mm

Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
22	⅞	R25	610	2	-	25111061
22	⅞	R25	760	2	6	25111076
22	⅞	R25	1000	3	3 ½	25111100
22	⅞	R25	1200	3	11	25111120
22	⅞	R25	1600	5	3	25111160
22	⅞	R25	1830	6	-	25111183
22	⅞	R25	2400	7	10 ½	25111240
22	⅞	R25	3200	10	6	25111320
22	⅞	R25	3660	12	-	25111366
22	⅞	R25	4000	13	1 ½	25111400

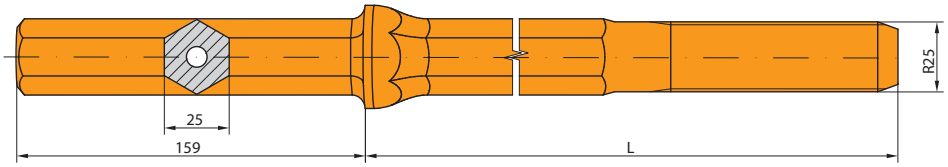
Shank rod, Hex 25 - R25



Flushing hole Ø8,6mm for flushing tube Ø8mm

Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R25	610	2	-	25311061
25	1	R25	760	2	6	25311076
25	1	R25	1000	3	3 ½	25311100
25	1	R25	1200	3	11	25311120
25	1	R25	1600	5	3	25311160
25	1	R25	1830	6	-	25311183
25	1	R25	2400	7	10 ½	25311240
25	1	R25	3200	10	6	25311320
25	1	R25	3660	12	-	25311366
25	1	R25	4000	13	1 ½	25311400

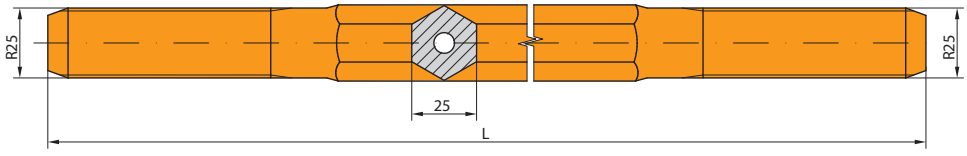
Shank rod, Hex 25 - R25



Flushing hole Ø8,6mm for flushing tube Ø8mm

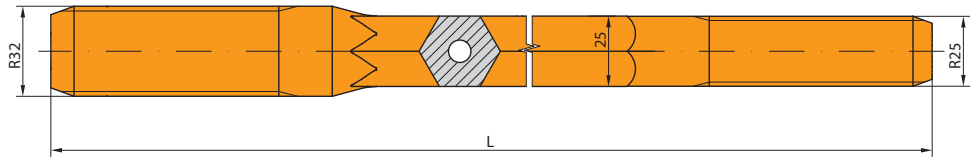
Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R25	610	2	-	25511061
25	1	R25	760	2	6	25511076
25	1	R25	1000	3	3 ½	25511100
25	1	R25	1200	3	11	25511120
25	1	R25	1600	5	3	25511160
25	1	R25	1830	6	-	25511183
25	1	R25	2400	7	10 ½	25511180
25	1	R25	3200	10	6	25511180
25	1	R25	3660	12	-	25511366
25	1	R25	4000	13	1 ½	25511180

Drifter rod, R25 - Hex 25 - R25



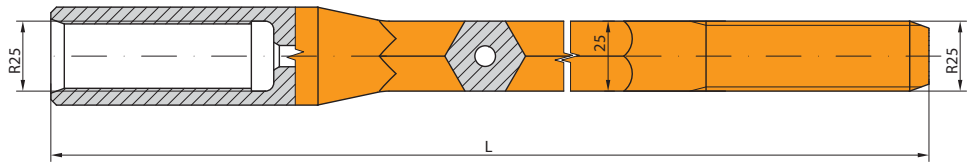
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R25/R25	610	2	-	20111061
25	1	R25/R25	915	3	-	20111091
25	1	R25/R25	1220	4	-	20111122
25	1	R25/R25	1525	5	-	20111152
25	1	R25/R25	1830	6	-	20111183
25	1	R25/R25	2435	8	-	20111143
25	1	R25/R25	3050	10	-	20111305
25	1	R25/R25	3660	12	-	20111366

Drifter rod, R32 - Hex 25 - R25



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R32/R25	610	2	-	20114061
25	1	R32/R25	915	3	-	20114091
25	1	R32/R25	1220	4	-	20114122
25	1	R32/R25	1525	5	-	20114152
25	1	R32/R25	1830	6	-	20114183
25	1	R32/R25	2435	8	-	20114243
25	1	R32/R25	3050	10	-	20114305
25	1	R32/R25	3660	12	-	20114366
25	1	R32/R25	4000	13	1 ½	20114400

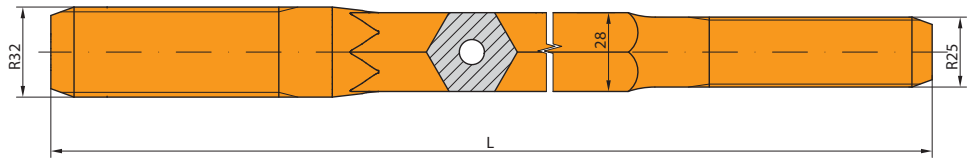
MF- rod, R25 - Hex 25 - R25



Female end ØD 35mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R25/R25	610	2	-	26717061
25	1	R25/R25	915	3	-	26717915
25	1	R25/R25	1220	4	-	26717122
25	1	R25/R25	1525	5	-	26717152
25	1	R25/R25	1830	6	-	26717183
25	1	R25/R25	2435	8	-	26717243
25	1	R25/R25	3050	10	-	26717305
25	1	R25/R25	3660	12	-	26717366

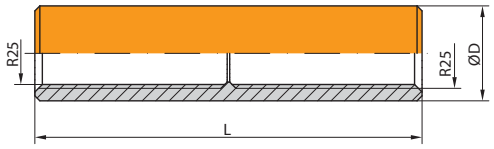
Drifter rod, R32 - Hex 28 - R25



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
28	1 ⅛	R32/R25	610	2	-	28022061
28	1 ⅛	R32/R25	915	3	-	28022091
28	1 ⅛	R32/R25	1220	4	-	28022122
28	1 ⅛	R32/R25	1525	5	-	28022152
28	1 ⅛	R32/R25	1830	6	-	28022183
28	1 ⅛	R32/R25	2435	8	-	28022243
28	1 ⅛	R32/R25	3050	10	-	28022305
28	1 ⅛	R32/R25	3660	12	-	28022366
28	1 ⅛	R32/R25	4000	13	1 ½	28022400

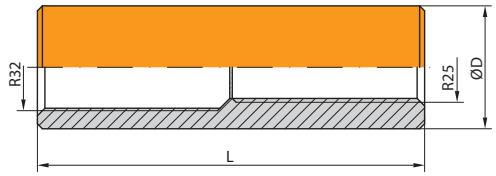
R25 – Couplings sleeve

Coupling sleeve R25

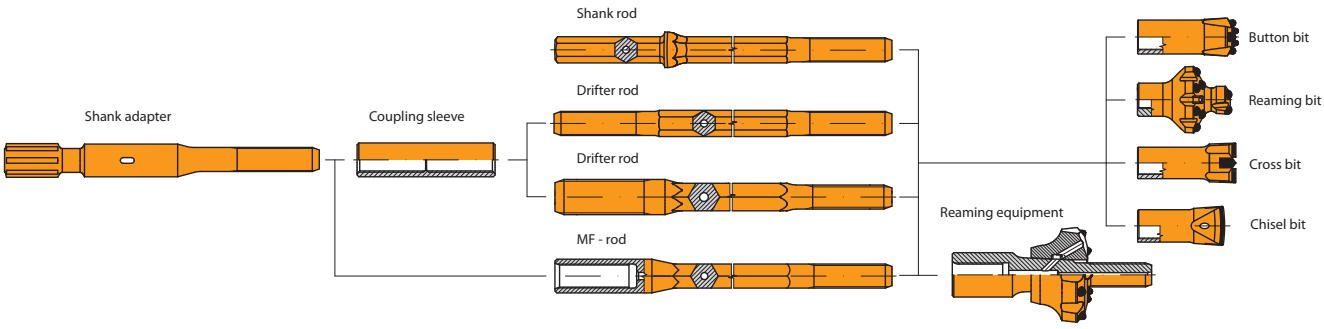


Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
34	1 5/16	R25/R25	150	5 29/32	3911100

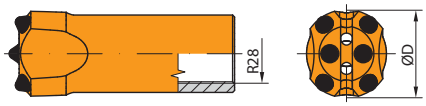
Coupling sleeve R32 - R25



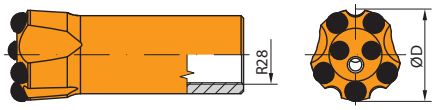
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
44	1 47/64	R32/R25	150	5 29/32	3911400



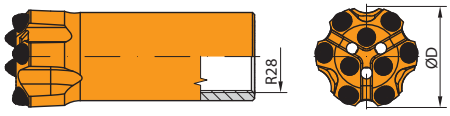
Button bit, Type D46



Button bit, Type D47



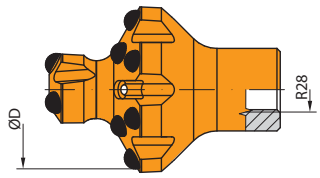
Button bit, Type D49



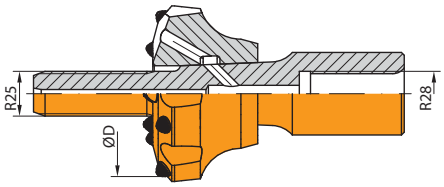
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2805R
37	1 29/64	-	2 x 5	4 x 8	2 x 7	D46037R2805S
38	1 ½	-	2 x 5	4 x 9	2 x 7	D46038R2805R
38	1 ½	-	2 x 5	4 x 9	2 x 7	D46038R2805S
41	1 5/8	-	2 x 6	4 x 9	2 x 8	D46041R2805R
41	1 5/8	-	2 x 6	4 x 9	2 x 8	D46041R2805S
43	1 11/16	-	2 x 6	4 x 10	2 x 8	D46043R2805R
43	1 11/16	-	2 x 6	4 x 10	2 x 8	D46043R2805S
45	1 ¾	-	2 x 6	4 x 10	2 x 9	D46045R2805R
45	1 ¾	-	2 x 6	4 x 10	2 x 9	D46045R2805S
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2805R
37	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	D47037R2805S
38	1 ½	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2805R
38	1 ½	1 x 6	1 x 5	5 x 9	2 x 7	D47038R2805S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2805R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	D47041R2805S
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	D47043R2805R
43	1 11/16	1 x 6	1 x 5	5 x 10	2 x 8	D47043R2805S
45	1 ¾	1 x 6	1 x 5	5 x 10	2 x 9	D47045R2805R
45	1 ¾	1 x 6	1 x 5	5 x 10	2 x 9	D47045R2805S
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	D49037R2805R
37	1 29/64	1 x 5	3 x 5	6 x 7	3 x 7	D49037R2805S
38	1 ½	1 x 5	3 x 5	6 x 8	3 x 7	D49038R2805R
38	1 ½	1 x 5	3 x 5	6 x 8	3 x 7	D49038R2805S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	D49041R2805R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	D49041R2805S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043R2805R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043R2805S
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R2805R
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R2805S
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	D49048R2805R
48	1 7/8	1 x 5	3 x 5	6 x 10	3 x 9	D49048R2805S
51	2	1 x 5	3 x 5	6 x 10	3 x 9	D49051R2805R
51	2	1 x 5	3 x 5	6 x 10	3 x 9	D49051R2805S

R28 – Bits

Reaming bit, Type D51

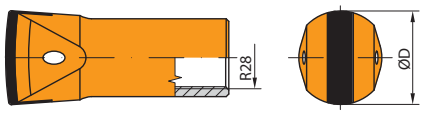


Reaming equipment, Type D50

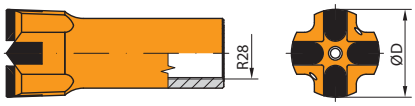


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
64	2 ½	-	4 x 5	8 x 9	7 x 8	D51064R2805R
64	2 ½	-	4 x 5	8 x 9	7 x 8	D51064R2805S
76	3	-	4 x 5	8 x 10	7 x 9	D51076R2805R
76	3	-	4 x 5	8 x 10	7 x 9	D51076R2805S
89	3 ½	-	4 x 5	8 x 12	7 x 10	D51089R2805R
89	3 ½	-	4 x 5	8 x 12	7 x 10	D51089R2805S
102	4	-	4 x 5	8 x 13	7 x 13	D51102R2805R
102	4	-	4 x 5	8 x 13	7 x 13	D51102R2805S
115	4 ½	-	4 x 6	8 x 14	7 x 13	D51115R2805R
115	4 ½	-	4 x 6	8 x 14	7 x 13	D51115R2805S
127	5	-	4 x 6	8 x 15	7 x 14	D51127R2805R
127	5	-	4 x 6	8 x 15	7 x 14	D51127R2805S
64	2 ½	-	2 x 5	8 x 9	4 x 8	D50064R28R2505R
64	2 ½	-	2 x 5	8 x 9	4 x 8	D50064R28R2505S
76	3	-	2 x 5	8 x 10	4 x 10	D50076R28R2505R
76	3	-	2 x 5	8 x 10	4 x 10	D50076R28R2505S
89	3 ½	-	2 x 5	8 x 10	6 x 10	D50089R28R2505R
89	3 ½	-	2 x 5	8 x 10	6 x 10	D50089R28R2505S
102	4	-	2 x 5	8 x 12	4 x 12	D50102R28R2505R
102	4	-	2 x 5	8 x 12	4 x 12	D50102R28R2505S
115	4 ½	-	2 x 5	8 x 12	6 x 12	D50115R28R2505R
115	4 ½	-	2 x 5	8 x 12	6 x 12	D50115R28R2505S
127	5	-	2 x 5	8 x 12	8 x 12	D50127R28R2505R
127	5	-	2 x 5	8 x 12	8 x 12	D50127R28R2505S

Chisel bit, Type D41

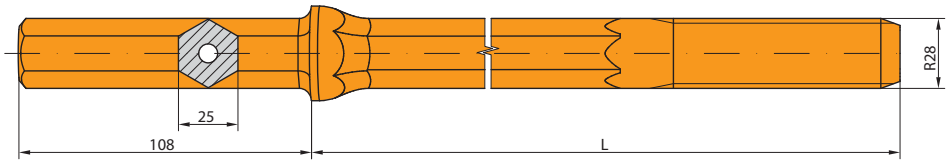


Cross bit, Type D42



Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
38	1 ½	2 x 5	-	D41038R2802
41	1 ⅝	2 x 5	-	D41041R2802
43	1 11/16	2 x 6	-	D41043R2802
45	1 ¾	2 x 6	-	D41045R2802
48	1 ⅞	2 x 6	-	D41048R2802
51	2	2 x 6	-	D41051R2802
38	1 ½	2 x 5	1 x 4,5	D42038R2802
41	1 ⅝	2 x 5	1 x 4,5	D42041R2802
43	1 11/16	2 x 5	1 x 4,5	D42043R2802
45	1 ¾	2 x 5	1 x 4,5	D42045R2802
48	1 ⅞	2 x 5	1 x 5	D42048R2802
51	2	2 x 5	1 x 5	D42051R2802

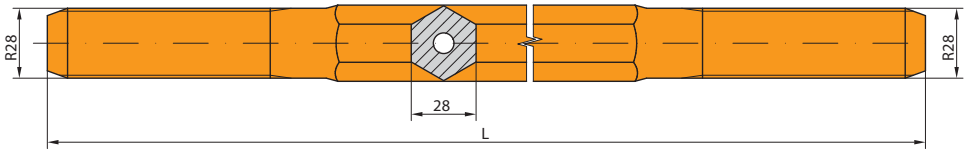
Shank rod, Hex 25- R28



Flushing hole Ø8,6mm for flushing tube Ø8mm

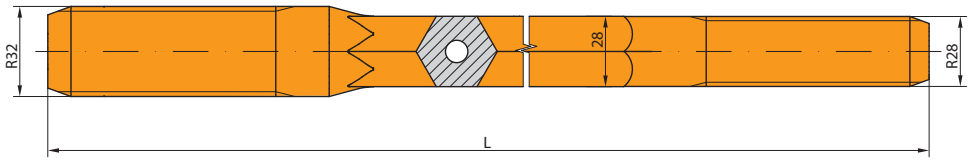
Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R25	610	2	-	25318061
25	1	R25	760	2	6	25318076
25	1	R25	1000	3	3 ½	25318100
25	1	R25	1220	4	-	25318122
25	1	R25	1600	5	3	25318160
25	1	R25	1830	6	-	25318183
25	1	R25	2435	8	-	25318243
25	1	R25	3050	10	-	25318305

Drifter rod, R28 - Hex 28 - R28



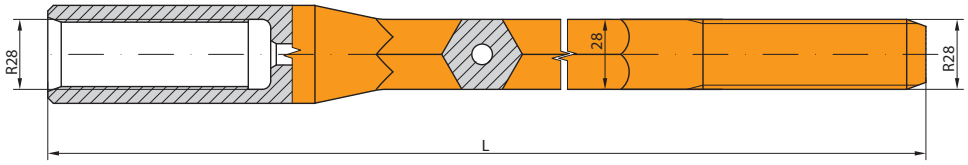
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
28	1 ⅛	R28/R28	1220	4	-	28698122
28	1 ⅛	R28/R28	1525	5	-	28698152
28	1 ⅛	R28/R28	1830	6	-	28698183
28	1 ⅛	R28/R28	2435	8	-	28698243
28	1 ⅛	R28/R28	3050	10	-	28698305
28	1 ⅛	R28/R28	3660	12	-	28698366
28	1 ⅛	R28/R28	4305	14	1 ½	28698430

Drifter rod, R32 - Hex 28 - R28



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
28	1 ⅛	R32/R28	1220	4	-	28691122
28	1 ⅛	R32/R28	1525	5	-	28691152
28	1 ⅛	R32/R28	1830	6	-	28691183
28	1 ⅛	R32/R28	2435	8	-	28691243
28	1 ⅛	R32/R28	3050	10	-	28691305
28	1 ⅛	R32/R28	3660	12	-	28691366
28	1 ⅛	R32/R28	4305	14	1 ½	28698430

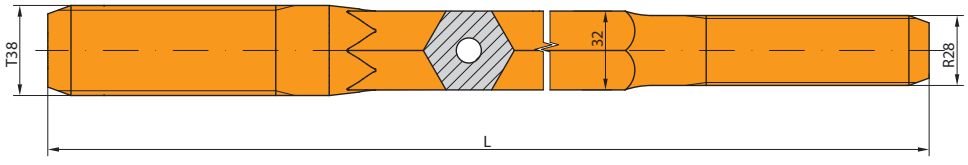
MF- rod, R28 - Hex 28 - R28



Female end ØD 40mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
28	1 ⅛	R28/R28	1220	4	-	26818122
28	1 ⅛	R28/R28	1525	5	-	26818152
28	1 ⅛	R28/R28	1830	6	-	26818183
28	1 ⅛	R28/R28	2435	8	-	26818243
28	1 ⅛	R28/R28	3050	10	-	26818305
28	1 ⅛	R28/R28	3660	12	-	26818366
28	1 ⅛	R28/R28	4305	14	1 ½	26818430

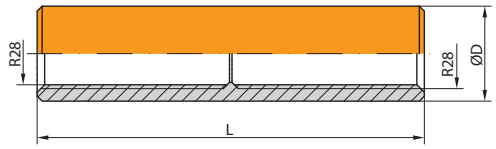
Drifter rod, T38 - Hex 32 - R28



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	T38/R28	1830	6	-	21872183
32	1 ¼	T38/R28	2435	8	-	21872243
32	1 ¼	T38/R28	3050	10	-	21872305
32	1 ¼	T38/R28	3660	12	-	21872366
32	1 ¼	T38/R28	4305	14	1 ½	21872430

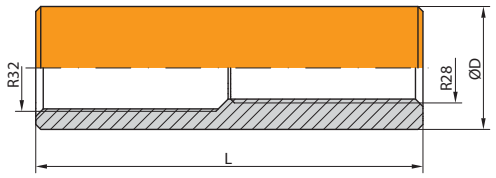
R28 – Couplings sleeve

Coupling sleeve R28



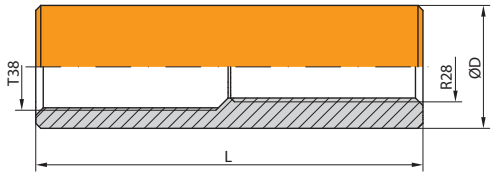
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
38	1 ½	R28/R28	150	5 29/32	3981800

Coupling sleeve R32 - R28

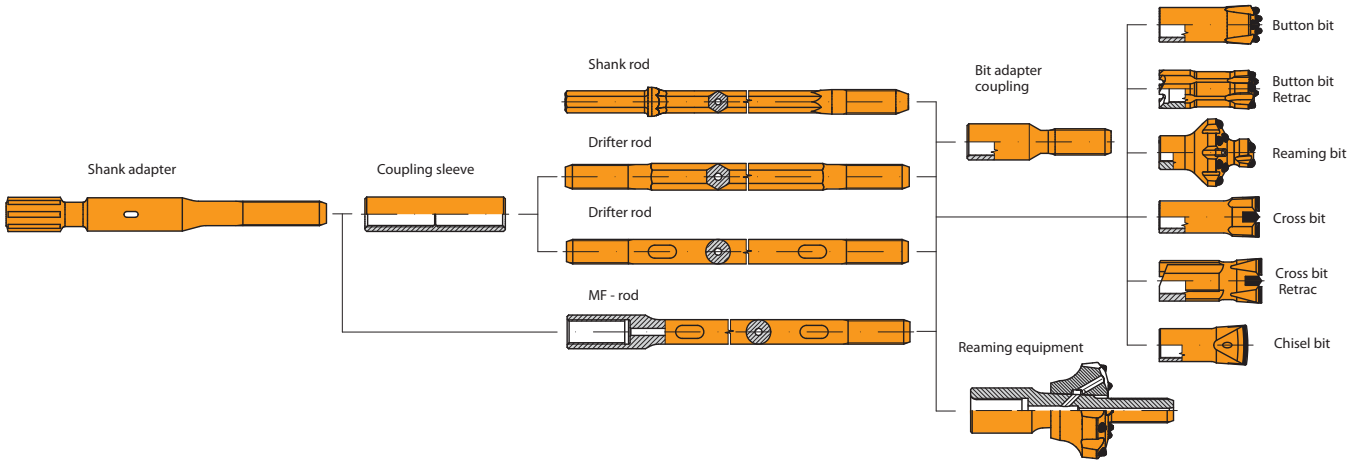


Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
44	1 47/64	R32/R28	150	5 29/32	3981400

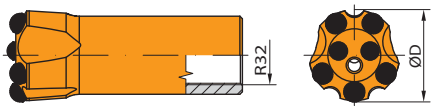
Coupling sleeve T38 - R28



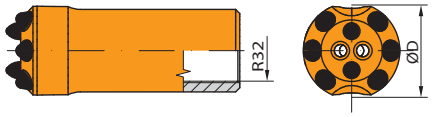
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	T38/R28	165	6 ½	3927800



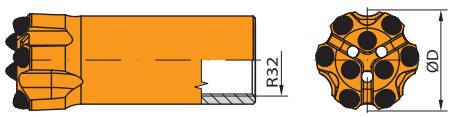
Button bit, Type D47



Button bit, Type D48

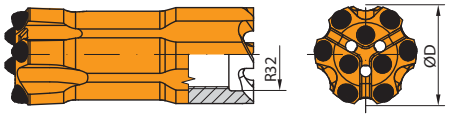


Button bit, Type D49

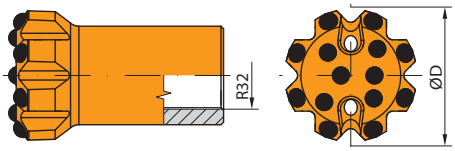


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	D47043R3205R
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	D47043R3205S
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045R3205R
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045R3205S
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048R3205R
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048R3205S
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051R3205R
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051R3205S
43	1 11/16	-	2 x 6	6 x 9	2 x 9	D48043R3205R
43	1 11/16	-	2 x 6	6 x 9	2 x 9	D48043R3205S
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045R3205R
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045R3205S
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048R3205R
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048R3205S
51	2	-	2 x 7	6 x 11	2 x 9	D48051R3205R
51	2	-	2 x 7	6 x 11	2 x 9	D48051R3205S
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054R3205R
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054R3205S
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R3205R
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R3205S
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048R3205R
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048R3205S
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051R3205R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051R3205S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054R3205R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054R3205S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057R3205R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057R3205S
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D49061R3205R
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D49061R3205S
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D49064R3205R
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D49064R3205S

Button bit, Retrac, Type D59

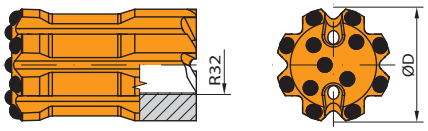


Button bit, Type D62

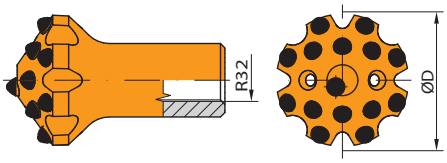


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051R3205R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051R3205S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054R3205R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054R3205S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057R3205R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057R3205S
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061R3205R
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061R3205S
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064R3205R
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064R3205S
64	2 ½	-	2 x 8	8 x 11	4 x 10	D62064R3215R
70	2 ¾	-	2 x 8	8 x 12	4 x 11	D62070R3215R
76	3	-	2 x 8	8 x 12	4 x 12	D62076R3215R
89	3 ½	-	2 x 8	8 x 13	5 x 12	D62089R3215R
102	4	-	2 x 9	8 x 14	6 x 13	D62102R3215R

Button bit, Type D63

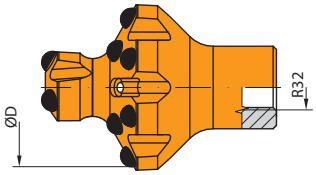


Reaming bit, Type D54

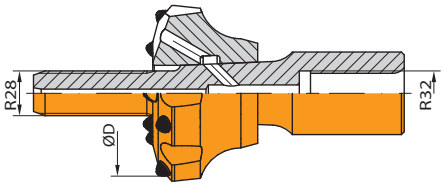


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
64	2 ½	-	2 x 8	8 x 11	4 x 10	D63064R3215R
70	2 ¾	-	2 x 8	8 x 12	4 x 11	D63070R3215R
76	3	-	2 x 8	8 x 12	4 x 12	D63076R3215R
89	3 ½	-	2 x 8	8 x 13	5 x 12	D63089R3215R
102	4	-	2 x 9	8 x 14	6 x 13	D63102R3215R
76	3	-	2 x 8	8 x 12	7 x 11	D54076R3205R
76	3	-	2 x 8	8 x 12	7 x 11	D54076R3205S
89	3 ½	-	2 x 8	8 x 12	7 x 12	D54089R3205R
89	3 ½	-	2 x 8	8 x 12	7 x 12	D54089R3205S
102	4	-	2 x 9	8 x 13	9 x 13	D54102R3205R
102	4	-	2 x 9	8 x 13	9 x 13	D54102R3205S

Reaming bit, Type D51

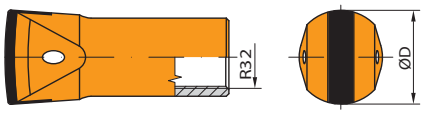


Reaming equipment, Type D50

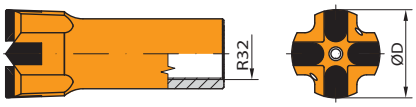


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
76	3	-	4 x 6	8 x 10	7 x 9	D51076R3205R
76	3	-	4 x 6	8 x 10	7 x 9	D51076R3205S
89	3 ½	-	4 x 6	8 x 12	7 x 10	D51089R3205R
89	3 ½	-	4 x 6	8 x 12	7 x 10	D51089R3205S
102	4	-	4 x 7	8 x 13	7 x 13	D51102R3205R
102	4	-	4 x 7	8 x 13	7 x 13	D51102R3205S
115	4 ½	-	4 x 7	8 x 14	7 x 13	D51115R3205R
115	4 ½	-	4 x 7	8 x 14	7 x 13	D51115R3205S
64	2 ½	-	2 x 6	8 x 9	4 x 8	D50064R32R2805R
64	2 ½	-	2 x 6	8 x 9	4 x 8	D50064R32R2805S
76	3	-	2 x 6	8 x 10	4 x 10	D50076R32R2805R
76	3	-	2 x 6	8 x 10	4 x 10	D50076R32R2805S
89	3 ½	-	2 x 6	8 x 10	6 x 10	D50089R32R2805R
89	3 ½	-	2 x 6	8 x 10	6 x 10	D50089R32R2805S
102	4	-	2 x 6	8 x 12	4 x 12	D50102R32R2805R
102	4	-	2 x 6	8 x 12	4 x 12	D50102R32R2805S
115	4 ½	-	2 x 6	8 x 12	6 x 12	D50115R32R2805R
115	4 ½	-	2 x 6	8 x 12	6 x 12	D50115R32R2805S

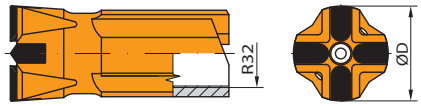
Chisel bit, Type D41



Cross bit, Type D42

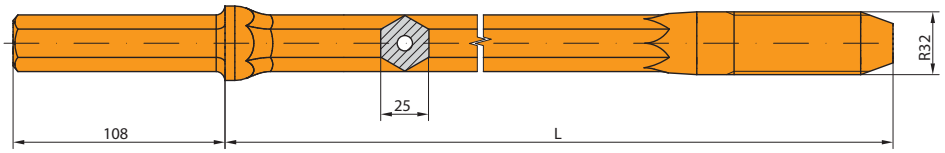


Cross bit, Retrac, Type D52



Diameter		Flushing holes (mm)		Catalogue no.
D		Side	Front	
mm	inch	No x Size	No x Size	
43	1 $^{11}/_{16}$	2 x 6	-	D41043R3202
45	1 ¾	2 x 7	-	D41045R3202
48	1 ⅞	2 x 7	-	D41048R3202
51	2	2 x 7	-	D41051R3202
54	2 ⅛	2 x 7	-	D41054R3202
43	1 $^{11}/_{16}$	2 x 6	1 x 5	D42043R3202
45	1 ¾	2 x 6	1 x 5	D42045R3202
48	1 ⅞	2 x 6	1 x 6	D42048R3202
51	2	2 x 6	1 x 6	D42051R3202
54	2 ⅛	2 x 6	1 x 6	D42054R3202
45	1 ¾	2 x 6	1 x 5	D52045R3202
48	1 ⅞	2 x 6	1 x 6	D52048R3202
51	2	2 x 6	1 x 6	D52051R3202
54	2 ⅛	2 x 6	1 x 6	D52054R3202
57	2 ¼	2 x 6	1 x 6	D52057R3202
64	2 ½	2 x 6	1 x 6	D52064R3202
76	3	2 x 6	1 x 6	D52076R3202

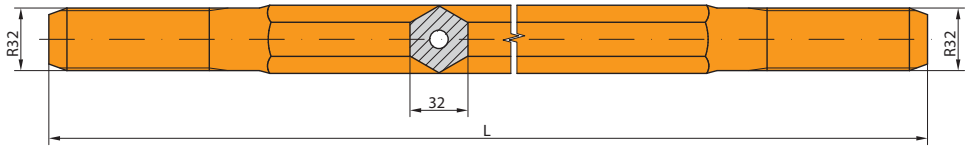
Shank rod, Hex 25 - R32



Flushing hole Ø8,6mm for flushing tube Ø8mm

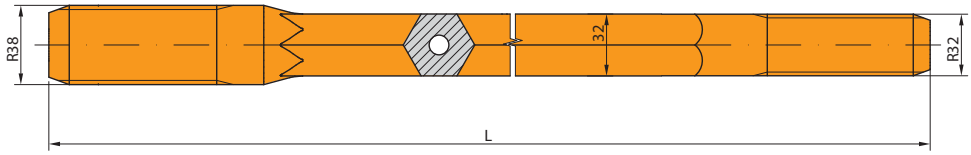
Hex		Thread	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
25	1	R32	610	2	-	25314061
25	1	R32	760	2	6	25314076
25	1	R32	1000	3	3 ½	25314100
25	1	R32	1220	4	-	25314122
25	1	R32	1600	5	3	25314160
25	1	R32	1830	6	-	25314183
25	1	R32	2435	8	-	25314243
25	1	R32	3050	10	-	25314305
25	1	R32	3660	12	-	25314366

Drifter rod, R32 - Hex 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	R32/R32	915	3	-	21414091
32	1 ¼	R32/R32	1000	3	3 ½	21414100
32	1 ¼	R32/R32	1220	4	-	21414122
32	1 ¼	R32/R32	1525	5	-	21414152
32	1 ¼	R32/R32	1830	6	-	21414183
32	1 ¼	R32/R32	2435	8	-	21414243
32	1 ¼	R32/R32	3050	10	-	21414305
32	1 ¼	R32/R32	3660	12	-	21414366
32	1 ¼	R32/R32	4305	14	1 ½	21414430
32	1 ¼	R32/R32	4915	16	-	21414491

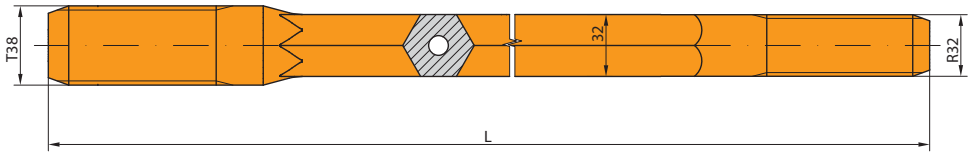
Drifter rod, R38 - Hex 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	R38/R32	915	3	-	21412091
32	1 ¼	R38/R32	1000	3	3 ½	21412100
32	1 ¼	R38/R32	1220	4	-	21412122
32	1 ¼	R38/R32	1525	5	-	21412152
32	1 ¼	R38/R32	1830	6	-	21412183
32	1 ¼	R38/R32	2435	8	-	21412243
32	1 ¼	R38/R32	3050	10	-	21412305
32	1 ¼	R38/R32	3660	12	-	21412366
32	1 ¼	R38/R32	4305	14	1 ½	21412430
32	1 ¼	R38/R32	4915	16	-	21412491

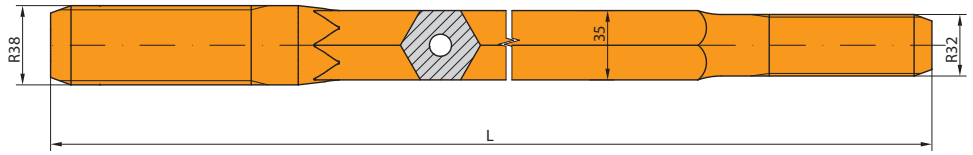
R32 – Rods

Drifter rod, T38 - Hex 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	T38/R32	915	3	-	21472091
32	1 ¼	T38/R32	1000	3	3 ½	21472100
32	1 ¼	T38/R32	1220	4	-	21472122
32	1 ¼	T38/R32	1525	5	-	21472152
32	1 ¼	T38/R32	1830	6	-	21472183
32	1 ¼	T38/R32	2435	8	-	21472243
32	1 ¼	T38/R32	3050	10	-	21472305
32	1 ¼	T38/R32	3660	12	-	21472366
32	1 ¼	T38/R32	4305	14	1 ½	21472430
32	1 ¼	T38/R32	4915	16	-	21472491

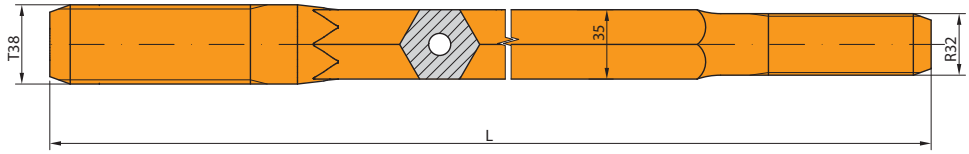
Drifter rod, R38 - Hex 35 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	R38/R32	915	3	-	19412091
35	1 ⅜	R38/R32	1000	3	3 ½	19412100
35	1 ⅜	R38/R32	1220	4	-	19412122
35	1 ⅜	R38/R32	1525	5	-	19412152
35	1 ⅜	R38/R32	1830	6	-	19412183
35	1 ⅜	R38/R32	2435	8	-	19412243
35	1 ⅜	R38/R32	3050	10	-	19412305
35	1 ⅜	R38/R32	3660	12	-	19412366
35	1 ⅜	R38/R32	4305	14	1 ½	19412430
35	1 ⅜	R38/R32	4915	16	-	19412491

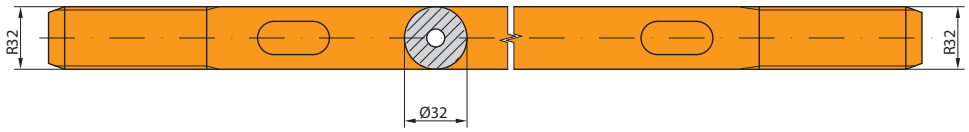
R32 – Rods

Drifter rod, T38 - Hex 35 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	T38/R32	915	3	-	19472091
35	1 ⅜	T38/R32	1000	3	3 ½	19472100
35	1 ⅜	T38/R32	1220	4	-	19472122
35	1 ⅜	T38/R32	1525	5	-	19472152
35	1 ⅜	T38/R32	1830	6	-	19472183
35	1 ⅜	T38/R32	2435	8	-	19472243
35	1 ⅜	T38/R32	3050	10	-	19472305
35	1 ⅜	T38/R32	3660	12	-	19472366
35	1 ⅜	T38/R32	4305	14	1 ½	19472430
35	1 ⅜	T38/R32	4915	16	-	19472491

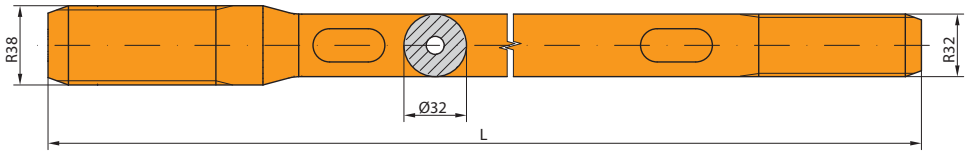
Drifter rod, R32 - Round 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	R32/R32	915	3	-	22414091
32	1 ¼	R32/R32	1000	3	3 ½	22414100
32	1 ¼	R32/R32	1220	4	-	22414122
32	1 ¼	R32/R32	1525	5	-	22414152
32	1 ¼	R32/R32	1830	6	-	22414183
32	1 ¼	R32/R32	2435	8	-	22414243
32	1 ¼	R32/R32	3050	10	-	22414305
32	1 ¼	R32/R32	3660	12	-	22414366
32	1 ¼	R32/R32	4305	14	1 ½	22414430
32	1 ¼	R32/R32	4915	16	-	22414491

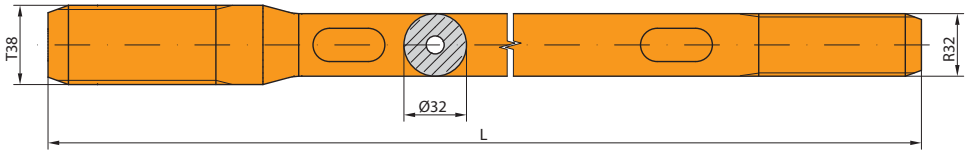
R32 – Rods

Drifter rod, R38 - Round 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	R38/R32	915	3	-	22412091
32	1 ¼	R38/R32	1000	3	3 ½	22412100
32	1 ¼	R38/R32	1220	4	-	22412122
32	1 ¼	R38/R32	1525	5	-	22412152
32	1 ¼	R38/R32	1830	6	-	22412183
32	1 ¼	R38/R32	2435	8	-	22412243
32	1 ¼	R38/R32	3050	10	-	22412305
32	1 ¼	R38/R32	3660	12	-	22412366
32	1 ¼	R38/R32	4305	14	1 ½	22412430
32	1 ¼	R38/R32	4915	16	-	22412491

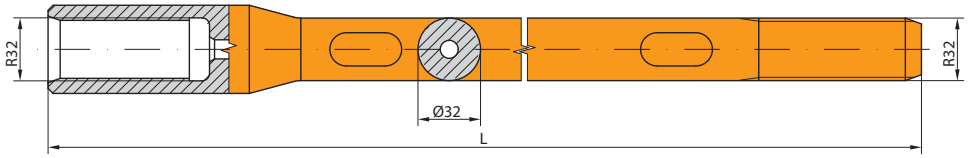
Drifter rod, T38 - Round 32 - R32



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	T38/R32	915	3	-	22472091
32	1 ¼	T38/R32	1000	3	3 ½	22472100
32	1 ¼	T38/R32	1220	4	-	22472122
32	1 ¼	T38/R32	1525	5	-	22472152
32	1 ¼	T38/R32	1830	6	-	22472183
32	1 ¼	T38/R32	2435	8	-	22472243
32	1 ¼	T38/R32	3050	10	-	22472305
32	1 ¼	T38/R32	3660	12	-	22472366
32	1 ¼	T38/R32	4305	14	1 ½	22472430
32	1 ¼	T38/R32	4915	16	-	22472491

R32 – Rods, Couplings sleeve, Bit adapter

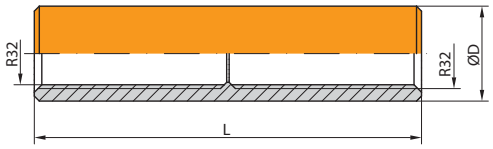
MF - rod, R32 - Round 32 - R32



Female end ØD 45mm

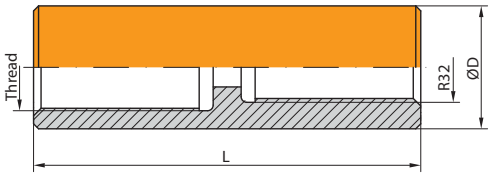
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
32	1 ¼	R32/R32	915	3	-	26111091
32	1 ¼	R32/R32	1000	3	3 ½	26111100
32	1 ¼	R32/R32	1220	4	-	26111122
32	1 ¼	R32/R32	1525	5	-	26111152
32	1 ¼	R32/R32	1830	6	-	26111183
32	1 ¼	R32/R32	2435	8	-	26111243
32	1 ¼	R32/R32	3050	10	-	26111305
32	1 ¼	R32/R32	3660	12	-	26111366
32	1 ¼	R32/R32	4305	14	1 ½	26111430
32	1 ¼	R32/R32	4915	16	-	26111491

Coupling sleeve R32



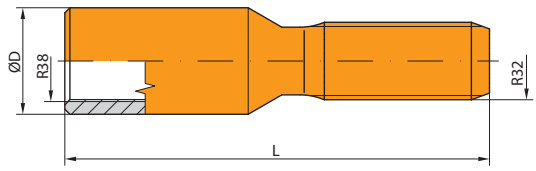
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
44	1 47/64	R32/R32	150	5 29/32	3941400

Coupling sleeve



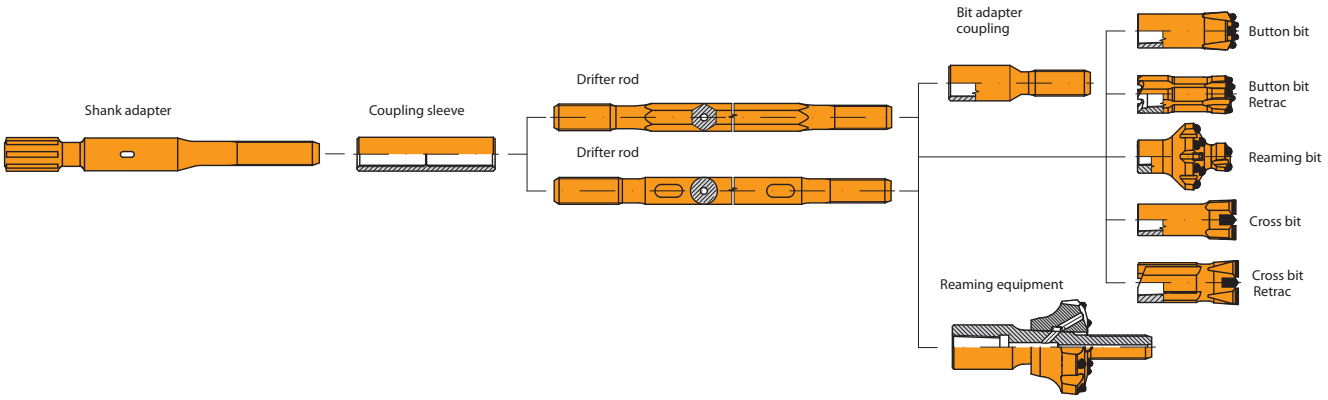
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	R38/R32	170	6 ¾	3941201
55	2 5/32	T38/R32	185	7 9/32	3947201
62	2 ½	T45/R32	185	7 9/32	3937401

Bit adapter coupling

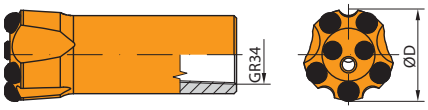


Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	R38/R32	230	9	3941206

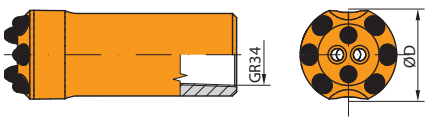
GR 34 – Bits



Button bit, Type D47



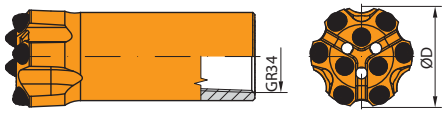
Button bit, Type D48



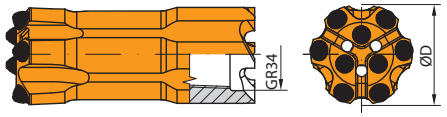
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	D47043GR3405R
43	1 11/16	2 x 6	1 x 5	5 x 10	2 x 8	D47043GR3405S
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045GR3405R
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045GR3405S
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048GR3405R
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048GR3405S
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051GR3405R
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051GR3405S
54	2 ⅛	2 x 7	1 x 6	5 x 12	2 x 11	D47054GR3405R
54	2 ⅛	2 x 7	1 x 6	5 x 12	2 x 11	D47054GR3405S
57	2 ¼	2 x 7	1 x 6	5 x 13	2 x 11	D47057GR3405R
57	2 ¼	2 x 7	1 x 6	5 x 13	2 x 11	D47057GR3405S
43	1 11/16	-	2 x 6	6 x 9	2 x 9	D48043GR3405R
43	1 11/16	-	2 x 6	6 x 9	2 x 9	D48043GR3405S
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045GR3405R
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045GR3405S
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048GR3405R
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048GR3405S
51	2	-	2 x 7	6 x 11	2 x 9	D48051GR3405R
51	2	-	2 x 7	6 x 11	2 x 9	D48051GR3405S
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054GR3405R
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054GR3405S
57	2 ¼	-	2 x 7	6 x 12	2 x 10	D48057GR3405R
57	2 ¼	-	2 x 7	6 x 12	2 x 10	D48057GR3405S

GR34 – Bits

Button bit, Type D49



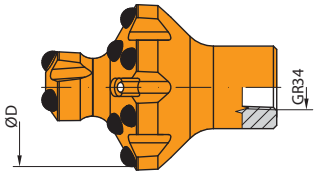
Button bit, Retrac, Type D59



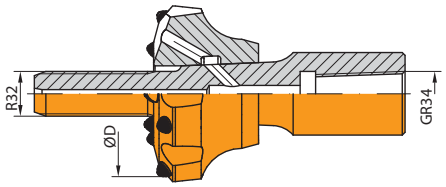
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043GR3405R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	D49043GR3405S
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045GR3405R
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045GR3405S
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048GR3405R
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048GR3405S
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051GR3405R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051GR3405S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054GR3405R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054GR3405S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057GR3405R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057GR3405S
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051GR3405R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051GR3405S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054GR3405R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054GR3405S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057GR3405R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057GR3405S
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061GR3405R
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061GR3405S
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064GR3405R
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064GR3405S

GR34 – Bits

Reaming bit, Type D51

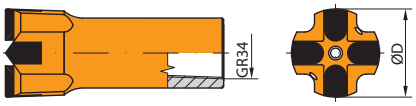


Reaming equipment, Type D50

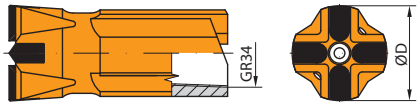


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
76	3	-	4 x 6	8 x10	7 x 9	D51076GR3405R
76	3	-	4 x 6	8 x10	7 x 9	D51076GR3405S
89	3 ½	-	4 x 6	8 x12	7 x10	D51089GR3405R
89	3 ½	-	4 x 6	8 x12	7 x10	D51089GR3405S
102	4	-	4 x 7	8 x13	7 x13	D51102GR3405R
102	4	-	4 x 7	8 x13	7 x13	D51102GR3405S
115	4 ½	-	4 x 7	8 x14	7 x13	D51115GR3405R
115	4 ½	-	4 x 7	8 x14	7 x13	D51115GR3405S
76	3	-	2 x 6	8 x10	4 x10	D50076GR34R3205R
76	3	-	2 x 6	8 x10	4 x10	D50076GR34R3205S
89	3 ½	-	2 x 6	8 x10	6 x10	D50089GR34R3205R
89	3 ½	-	2 x 6	8 x10	6 x10	D50089GR34R3205S
102	4	-	2 x 6	8 x12	4 x12	D50102GR34R3205R
102	4	-	2 x 6	8 x12	4 x12	D50102GR34R3205S
115	4 ½	-	2 x 6	8 x12	6 x12	D50115GR34R3205R
115	4 ½	-	2 x 6	8 x12	6 x12	D50115GR34R3205S

Cross bit, Type D42

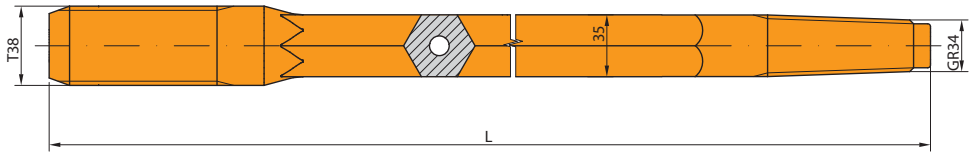


Cross bit, Retrac, Type D52



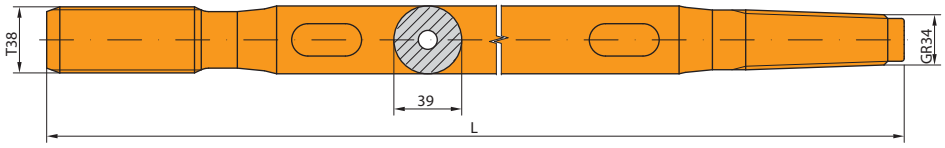
Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
43	1 11/16	2 x 6	1 x 5	D42043GR3402
45	1 ¾	2 x 6	1 x 5	D42045GR3402
48	1 ⅞	2 x 6	1 x 6	D42048GR3402
51	2	2 x 6	1 x 6	D42051GR3402
54	2 ⅛	2 x 6	1 x 6	D42054GR3402
45	1 ¾	2 x 6	1 x 5	D52045GR3402
48	1 ⅞	2 x 6	1 x 6	D52048GR3402
51	2	2 x 6	1 x 6	D52051GR3402
54	2 ⅛	2 x 6	1 x 6	D52054GR3402
57	2 ¼	2 x 6	1 x 6	D52057GR3402
64	2 ½	2 x 6	1 x 6	D52064GR3402
76	3	2 x 6	1 x 6	D52076GR3402

Drifter rod, T38 - Hex 35 - GR34

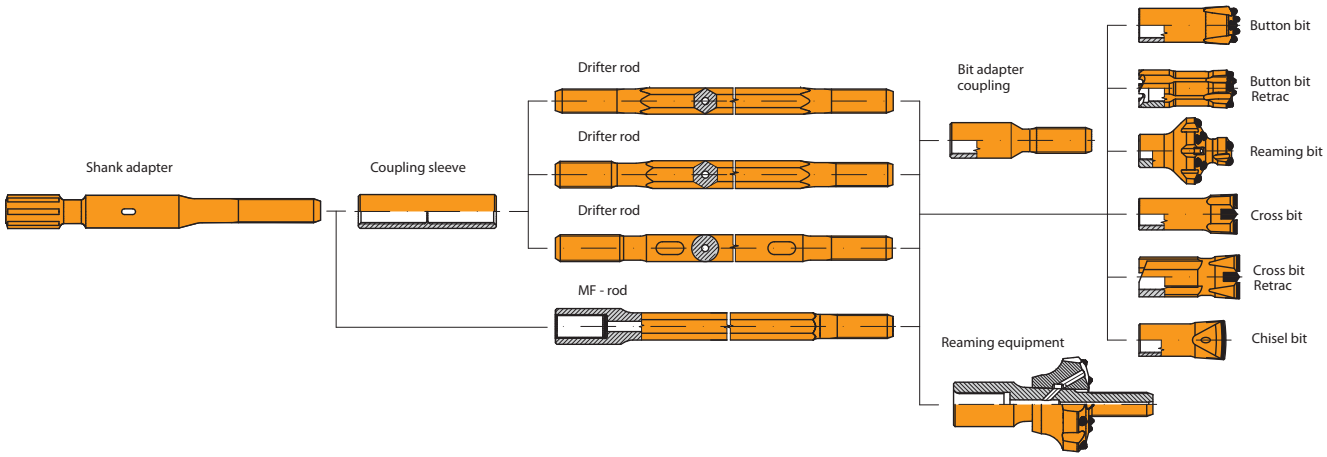


Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	T38/GR34	915	3	-	10H35T38GR34091
35	1 ⅜	T38/GR34	1000	3	3 ½	10H35T38GR34100
35	1 ⅜	T38/GR34	1220	4	-	10H35T38GR34122
35	1 ⅜	T38/GR34	1525	5	-	10H35T38GR34152
35	1 ⅜	T38/GR34	1830	6	-	10H35T38GR34183
35	1 ⅜	T38/GR34	2435	8	-	10H35T38GR34243
35	1 ⅜	T38/GR34	3050	10	-	10H35T38GR34305
35	1 ⅜	T38/GR34	3660	12	-	10H35T38GR34366
35	1 ⅜	T38/GR34	4305	14	1 ½	10H35T38GR34430
35	1 ⅜	T38/GR34	4915	16	-	10H35T38GR34491

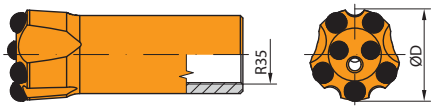
Drifter rod, T38 - Round 39 - GR34



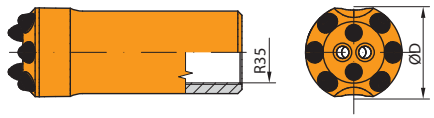
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
39	1 ½	T38/GR34	915	3	-	10R39T38GR34091
39	1 ½	T38/GR34	1000	3	3 ½	10R39T38GR34100
39	1 ½	T38/GR34	1220	4	-	10R39T38GR34122
39	1 ½	T38/GR34	1525	5	-	10R39T38GR34152
39	1 ½	T38/GR34	1830	6	-	10R39T38GR34183
39	1 ½	T38/GR34	2435	8	-	10R39T38GR34243
39	1 ½	T38/GR34	3050	10	-	10R39T38GR34305
39	1 ½	T38/GR34	3660	12	-	10R39T38GR34366
39	1 ½	T38/GR34	4305	14	1 ½	10R39T38GR34430
39	1 ½	T38/GR34	4915	16	-	10R39T38GR3449



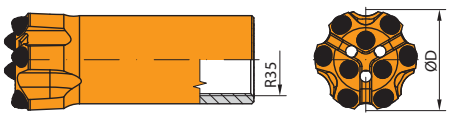
Button bit, Type D47



Button bit, Type D48

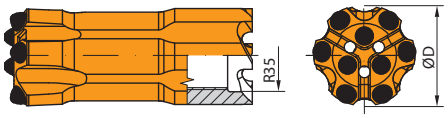


Button bit, Type D49

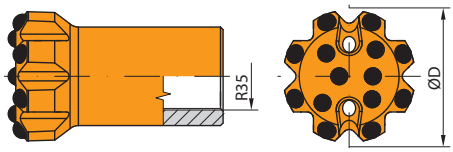


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045R3505R
45	1 ¾	2 x 6	1 x 5	5 x 10	2 x 9	D47045R3505S
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048R3505R
48	1 ⅞	2 x 7	1 x 6	5 x 11	2 x 9	D47048R3505S
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051R3505R
51	2	2 x 7	1 x 6	5 x 12	2 x 10	D47051R3505S
54	2 ⅛	2 x 7	1 x 6	5 x 12	2 x 11	D47054R3505R
54	2 ⅛	2 x 7	1 x 6	5 x 12	2 x 11	D47054R3505S
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045R3505R
45	1 ¾	-	2 x 6	6 x 10	2 x 9	D48045R3505S
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048R3505R
48	1 ⅞	-	2 x 7	6 x 10	2 x 9	D48048R3505S
51	2	-	2 x 7	6 x 11	2 x 9	D48051R3505R
51	2	-	2 x 7	6 x 11	2 x 9	D48051R3505S
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054R3505R
54	2 ⅛	-	2 x 7	6 x 11	2 x 10	D48054R3505S
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R3505R
45	1 ¾	1 x 5	3 x 5	6 x 10	3 x 8	D49045R3505S
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048R3505R
48	1 ⅞	1 x 5	3 x 5	6 x 10	3 x 9	D49048R3505S
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051R3505R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D49051R3505S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054R3505R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D49054R3505S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057R3505R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D49057R3505S
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D49061R3505R
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D49061R3505S
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D49064R3505R
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D49064R3505S

Button bit, Retrac, Type D59

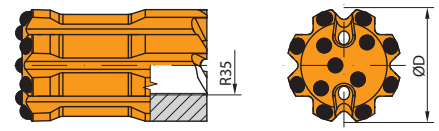


Button bit, Type D62

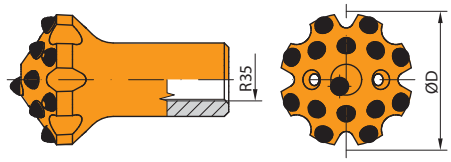


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051R3505R
51	2	1 x 6	3 x 5	6 x 10	3 x 9	D59051R3505S
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054R3505R
54	2 ⅛	1 x 6	3 x 6	6 x 11	3 x 9	D59054R3505S
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057R3505R
57	2 ¼	1 x 6	3 x 6	6 x 11	3 x 10	D59057R3505S
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061R3505R
61	2 13/32	1 x 6	3 x 6	6 x 12	3 x 10	D59061R3505S
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064R3505R
64	2 ½	1 x 6	3 x 6	6 x 12	3 x 11	D59064R3505S
64	2 ½	-	2 x 9	8 x 11	4 x 10	D62064R3515R
70	2 ¾	-	2 x 9	8 x 12	4 x 11	D62070R3515R
76	3	-	2 x 9	8 x 12	4 x 12	D62076R3515R
89	3 ½	-	2 x 10	8 x 13	5 x 12	D62089R3515R
102	4	-	2 x 10	8 x 14	6 x 13	D62102R3515R

Button bit, Retrac, Type D63



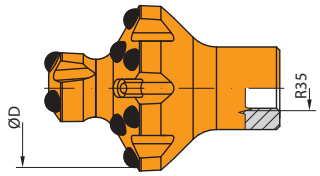
Reaming bit, Type D54



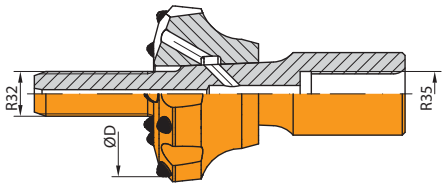
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
64	2 ½	-	2 x 9	8 x 11	4 x 10	D63064R3515R
70	2 ¾	-	2 x 9	8 x 12	4 x 11	D63070R3515R
76	3	-	2 x 9	8 x 12	4 x 12	D63076R3515R
89	3 ½	-	2 x 10	8 x 13	5 x 12	D63089R3515R
102	4	-	2 x 10	8 x 14	6 x 13	D63102R3515R
76	3	-	2 x 8	8 x 12	7 x 11	D54076R3505R
76	3	-	2 x 8	8 x 12	7 x 11	D54076R3505S
89	3 ½	-	2 x 8	8 x 12	7 x 12	D54089R3505R
89	3 ½	-	2 x 8	8 x 12	7 x 12	D54089R3505S
102	4	-	2 x 9	8 x 13	9 x 13	D54102R3505R
102	4	-	2 x 9	8 x 13	9 x 13	D54102R3505S

R35 – Bits

Reaming bit, Type D51

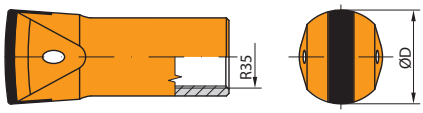


Reaming equipment, Type D50

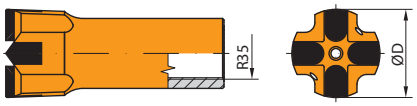


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
76	3	-	4 x 6	8 x 10	7 x 9	D51076R3505R
76	3	-	4 x 6	8 x 10	7 x 9	D51076R3505S
89	3 ½	-	4 x 6	8 x 12	7 x 10	D51089R3505R
89	3 ½	-	4 x 6	8 x 12	7 x 10	D51089R3505S
102	4	-	4 x 7	8 x 13	7 x 13	D51102R3505R
102	4	-	4 x 7	8 x 13	7 x 13	D51102R3505S
115	4 ½	-	4 x 7	8 x 14	7 x 13	D51115R3505R
115	4 ½	-	4 x 7	8 x 14	7 x 13	D51115R3505S
64	2 ½	-	2 x 6	8 x 9	4 x 8	D50064R35R3205R
64	2 ½	-	2 x 6	8 x 9	4 x 8	D50064R35R3205S
76	3	-	2 x 6	8 x 10	4 x 10	D50076R35R3205R
76	3	-	2 x 6	8 x 10	4 x 10	D50076R35R3205S
89	3 ½	-	2 x 6	8 x 10	6 x 10	D50089R35R3205R
89	3 ½	-	2 x 6	8 x 10	6 x 10	D50089R35R3205S
102	4	-	2 x 6	8 x 12	4 x 12	D50102R35R3205R
102	4	-	2 x 6	8 x 12	4 x 12	D50102R35R3205S
115	4 ½	-	2 x 6	8 x 12	6 x 12	D50115R35R3205R
115	4 ½	-	2 x 6	8 x 12	6 x 12	D50115R35R3205S

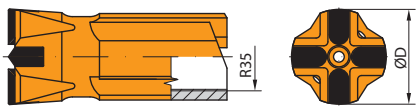
Chisel bit, Type D41



Cross bit, Type D42



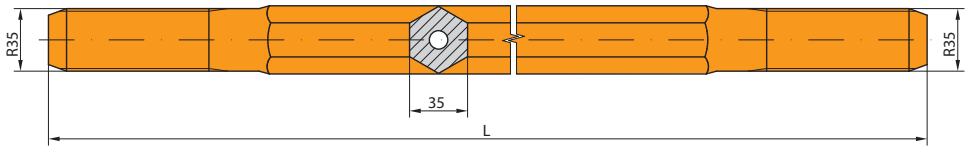
Cross bit, Retrac, Type D52



Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
45	1 ¾	2 x 7	-	D41045R3502
48	1 ⅞	2 x 7	-	D41048R3502
51	2	2 x 7	-	D41051R3502
54	2 ⅛	2 x 7	-	D41054R3502
45	1 ¾	2 x 6	1 x 6	D42045R3502
48	1 ⅞	2 x 6	1 x 6	D42048R3502
51	2	2 x 6	1 x 6	D42051R3502
54	2 ⅛	2 x 6	1 x 6	D42054R3502
45	1 ¾	2 x 6	1 x 6	D52045R3502
48	1 ⅞	2 x 6	1 x 6	D52048R3502
51	2	2 x 6	1 x 6	D52051R3502
54	2 ⅛	2 x 6	1 x 6	D52054R3502
57	2 ¼	2 x 6	1 x 6	D52057R3502
64	2 ½	2 x 6	1 x 6	D52064R3502
76	3	2 x 6	1 x 6	D52076R3502

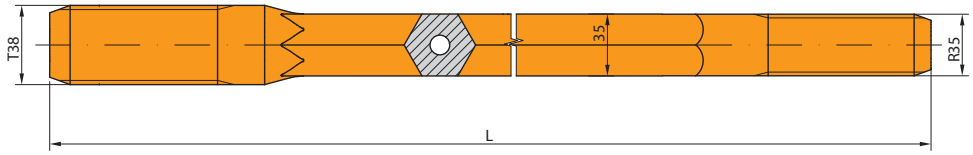
R35 – Rods

Drifter rod, R35 - Hex 35 - R35



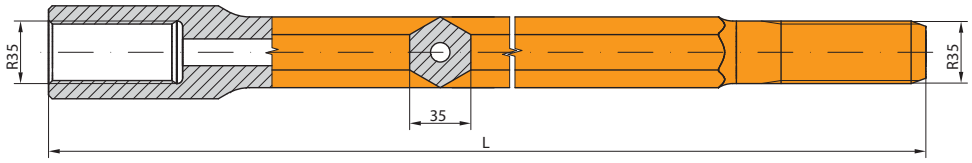
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
39	1 ½	T38/GR34	915	3	-	10R39T38GR34091
35	1 ⅜	R35/R35	915	3	-	19515091
35	1 ⅜	R35/R35	1000	3	3 ½	19515100
35	1 ⅜	R35/R35	1220	4	-	19515122
35	1 ⅜	R35/R35	1525	5	-	19515152
35	1 ⅜	R35/R35	1830	6	-	19515183
35	1 ⅜	R35/R35	2435	8	-	19515243
35	1 ⅜	R35/R35	3050	10	-	19515305
35	1 ⅜	R35/R35	3660	12	-	19515366
35	1 ⅜	R35/R35	4305	14	1 ½	19515430
35	1 ⅜	R35/R35	4915	16	-	19515491

Drifter rod, T38 - Hex 35 - R35



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	T38/R35	915	3	-	19275091
35	1 ⅜	T38/R35	1000	3	3 ½	19275100
35	1 ⅜	T38/R35	1220	4	-	19275122
35	1 ⅜	T38/R35	1525	5	-	19275152
35	1 ⅜	T38/R35	1830	6	-	19275183
35	1 ⅜	T38/R35	2435	8	-	19275243
35	1 ⅜	T38/R35	3050	10	-	19275305
35	1 ⅜	T38/R35	3660	12	-	19275366
35	1 ⅜	T38/R35	4305	14	1 ½	19275430
35	1 ⅜	T38/R35	4915	16	-	19275491

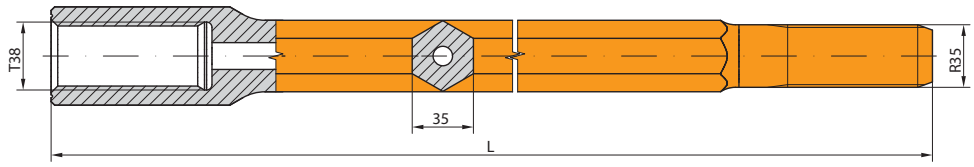
MF - rod, R35 - Hex 35 - R35



Female end ØD 52mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	R35/R35	915	3	-	26414091
35	1 ⅜	R35/R35	1000	3	3 ½	26414100
35	1 ⅜	R35/R35	1220	4	-	26414122
35	1 ⅜	R35/R35	1525	5	-	26414152
35	1 ⅜	R35/R35	1830	6	-	26414183
35	1 ⅜	R35/R35	2435	8	-	26414243
35	1 ⅜	R35/R35	3050	10	-	26414305
35	1 ⅜	R35/R35	3660	12	-	26414366
35	1 ⅜	R35/R35	4305	14	1 ½	26414430
35	1 ⅜	R35/R35	4915	16	-	26414491

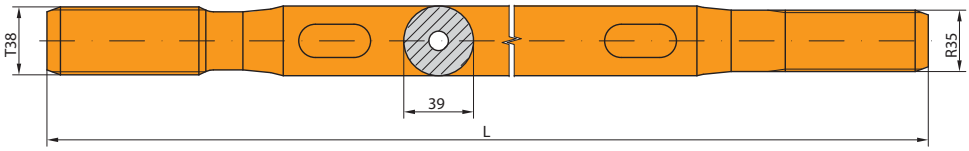
MF - rod, T38 - Hex 35 - R35



Female end ØD 55mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
35	1 ⅜	T38/R35	915	3	-	26975091
35	1 ⅜	T38/R35	1000	3	3 ½	26975100
35	1 ⅜	T38/R35	1220	4	-	26975122
35	1 ⅜	T38/R35	1525	5	-	26975152
35	1 ⅜	T38/R35	1830	6	-	26975183
35	1 ⅜	T38/R35	2435	8	-	26975243
35	1 ⅜	T38/R35	3050	10	-	26975305
35	1 ⅜	T38/R35	3660	12	-	26975366
35	1 ⅜	T38/R35	4305	14	1 ½	26975430
35	1 ⅜	T38/R35	4915	16	-	26975491

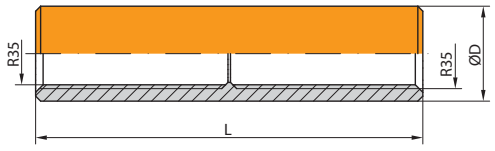
Drifter rod, T38 - Round 39 - R35



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
39	1 ½	T38/R35	915	3	-	23275091
39	1 ½	T38/R35	1000	3	3 ½	23275100
39	1 ½	T38/R35	1220	4	-	23275122
39	1 ½	T38/R35	1525	5	-	23275152
39	1 ½	T38/R35	1830	6	-	23275183
39	1 ½	T38/R35	2435	8	-	23275243
39	1 ½	T38/R35	3050	10	-	23275305
39	1 ½	T38/R35	3660	12	-	23275366
39	1 ½	T38/R35	4305	14	1 ½	23275430
39	1 ½	T38/R35	4915	16	-	23275491

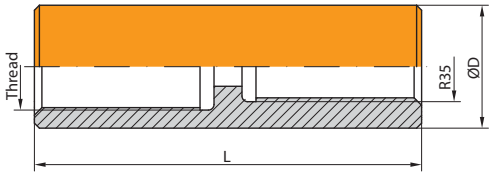
R35 – Couplings sleeve, Bit adapter

Coupling sleeve R35



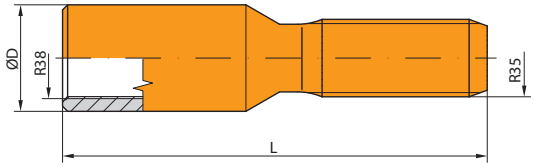
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
50	1 31/32	R35/R35	150	5 29/32	3953500

Coupling sleeve



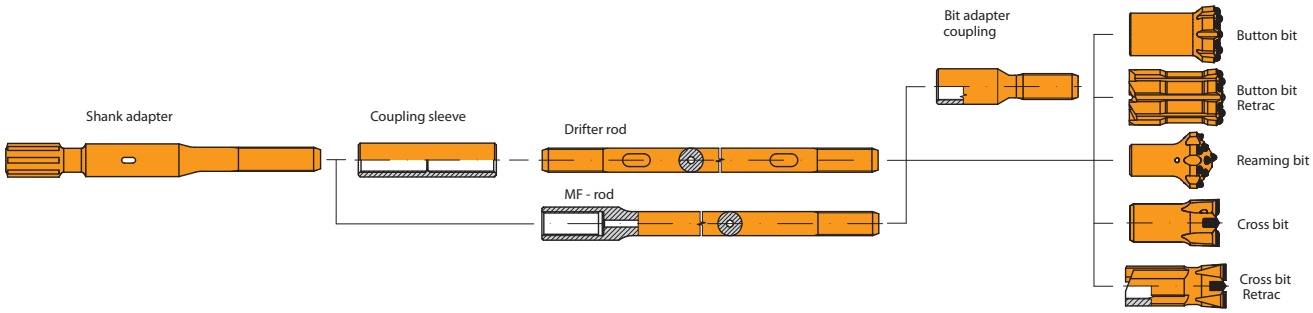
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	T38/R35	185	7 9/32	3953201
62	2 1/2	T45/R35	185	7 9/32	3953301

Bit adapter coupling

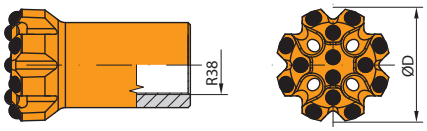


Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	R38/R35	230	9	3953206

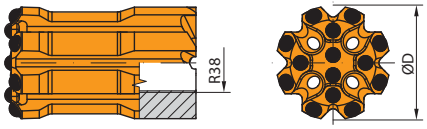
R38 – Bits



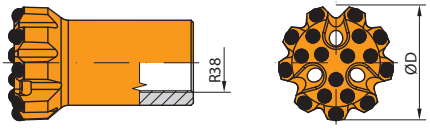
Button bit, Drop center, Type D60



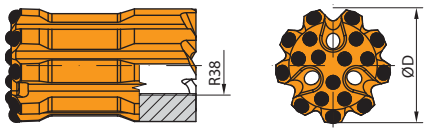
Button bit, Drop center, Retrac, Type D61



Button bit, Flat face, Type D62

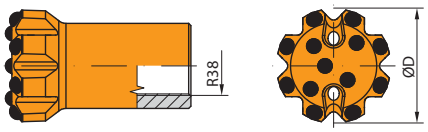


Button bit, Flat face, Retrac, Type D63

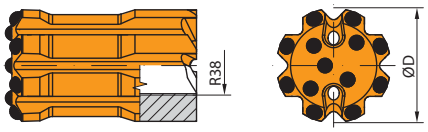


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
64	2 ½	-	4 x 8	8 x 10	5 x 9	D60064R3805R
64	2 ½	-	4 x 8	8 x 10	5 x 9	D60064R3805S
70	2 ¾	-	4 x 8	8 x 11	5 x 10	D60070R3805R
70	2 ¾	-	4 x 8	8 x 11	5 x 10	D60070R3805S
76	3	-	4 x 8	8 x 12	5 x 11	D60076R3805R
76	3	-	4 x 8	8 x 12	5 x 11	D60076R3805S
89	3 ½	-	4 x 9	8 x 13	5 x 12	D60089R3805R
89	3 ½	-	4 x 9	8 x 13	5 x 12	D60089R3805S
102	4	-	4 x 9	8 x 14	6 x 13	D60102R3805R
102	4	-	4 x 9	8 x 14	6 x 13	D60102R3805S
64	2 ½	-	4 x 8	8 x 10	5 x 9	D61064R3805R
64	2 ½	-	4 x 8	8 x 10	5 x 9	D61064R3805S
70	2 ¾	-	4 x 8	8 x 11	5 x 10	D61070R3805R
70	2 ¾	-	4 x 8	8 x 11	5 x 10	D61070R3805S
76	3	-	4 x 8	8 x 12	5 x 11	D61076R3805R
76	3	-	4 x 8	8 x 12	5 x 11	D61076R3805S
89	3 ½	-	4 x 9	8 x 13	5 x 12	D61089R3805R
89	3 ½	-	4 x 9	8 x 13	5 x 12	D61089R3805S
102	4	-	4 x 9	8 x 14	6 x 13	D61102R3805R
102	4	-	4 x 9	8 x 14	6 x 13	D61102R3805S
76	3	-	3 x 9	9 x 11	8 x 10	D62076R3805R
76	3	-	3 x 9	9 x 11	8 x 10	D62076R3805S
89	3 ½	-	3 x 9	9 x 12	9 x 11	D62089R3805R
89	3 ½	-	3 x 9	9 x 12	9 x 11	D62089R3805S
102	4	-	3 x 9	9 x 13	9 x 12	D62102R3805R
102	4	-	3 x 9	9 x 13	9 x 12	D62102R3805S
76	3	-	3 x 9	9 x 11	8 x 10	D63076R3805R
76	3	-	3 x 9	9 x 11	8 x 10	D63076R3805S
89	3 ½	-	3 x 9	9 x 12	9 x 11	D63089R3805R
89	3 ½	-	3 x 9	9 x 12	9 x 11	D63089R3805S
102	4	-	3 x 9	9 x 13	9 x 12	D63102R3805R
102	4	-	3 x 9	9 x 13	9 x 12	D63102R3805S

Button bit, Heavy Duty

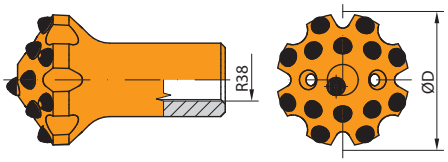


Button bit, Retrac, Heavy Duty



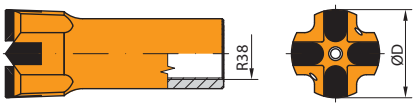
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
64	2 ½	-	2 x 8	8 x 11	4 x 10	D62064R3815R
70	2 ¾	-	2 x 9	8 x 12	4 x 11	D62070R3815R
76	3	-	2 x 10	8 x 12	4 x 12	D62076R3815R
89	3 ½	-	2 x 11	8 x 13	5 x 12	D62089R3815R
102	4	-	2 x 11	8 x 14	6 x 13	D62102R3815R
64	2 ½	-	2 x 8	8 x 11	4 x 10	D63064R3815R
70	2 ¾	-	2 x 9	8 x 12	4 x 11	D63070R3815R
76	3	-	2 x 10	8 x 12	4 x 12	D63076R3815R
89	3 ½	-	2 x 11	8 x 13	5 x 12	D63089R3815R
102	4	-	2 x 11	8 x 14	6 x 13	D63102R3815R

Reaming bit, Type D54

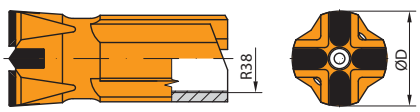


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
76	3	-	2 x 9	8 x 12	7 x 11	D54076R3805R
76	3	-	2 x 9	8 x 12	7 x 11	D54076R3805S
89	3 ½	-	2 x 9	8 x 12	7 x 12	D54089R3805R
89	3 ½	-	2 x 9	8 x 12	7 x 12	D54089R3805S
102	4	-	2 x 10	8 x 13	9 x 13	D54102R3805R
102	4	-	2 x 10	8 x 13	9 x 13	D54102R3805S
115	4 ½	-	2 x 11	8 x 14	9 x 13	D54115R3805R
115	4 ½	-	2 x 11	8 x 14	9 x 13	D54115R3805S
127	5	-	2 x 11	8 x 15	9 x 14	D54127R3805R
127	5	-	2 x 11	8 x 15	9 x 14	D54127R3805S

Cross bit, Type D42

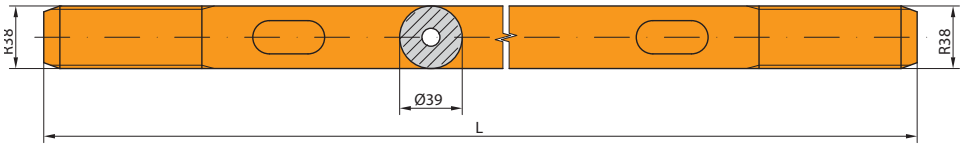


Cross bit, Retrac, Type D52



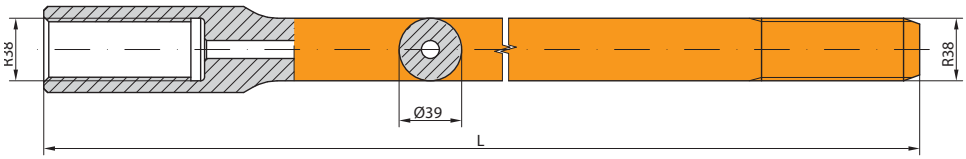
Diameter		Flushing holes (mm)		Catalogue no.
		Side	Front	
mm	inch	No x Size	No x Size	
64	2 ½	2 x 7	1 x 8	D42064R3802
76	3	2 x 8	1 x 10	D42076R3802
89	3 ½	2 x 9	1 x 10	D42089R3802
76	1 ¾	2 x 8	1 x 10	D52076R3802
89	1 ⅞	2 x 9	1 x 10	D52089R3802
102	2	2 x 9	1 x 11	D52102R3802

Drifter rod, R38 - Round 39 - R38



Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
39	1 ½	R38/R38	915	3	-	23212091
39	1 ½	R38/R38	1000	3	3 ½	23212100
39	1 ½	R38/R38	1220	4	-	23212122
39	1 ½	R38/R38	1525	5	-	23212152
39	1 ½	R38/R38	1830	6	-	23212183
39	1 ½	R38/R38	2435	8	-	23212243
39	1 ½	R38/R38	3050	10	-	23212305
39	1 ½	R38/R38	3660	12	-	23212366
39	1 ½	R38/R38	4305	14	1 ½	23212430
39	1 ½	R38/R38	4915	16	-	23212491

MF - rod, R38 - Round 39 - R38

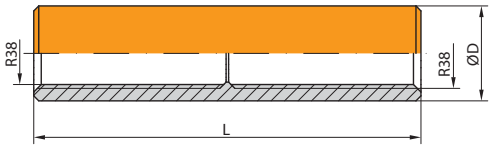


Female end ØD 55mm

Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
39	1 ½	R38/R38	915	3	-	26213091
39	1 ½	R38/R38	1000	3	3 ½	26213100
39	1 ½	R38/R38	1220	4	-	26213122
39	1 ½	R38/R38	1525	5	-	26213152
39	1 ½	R38/R38	1830	6	-	26213183
39	1 ½	R38/R38	2435	8	-	26213243
39	1 ½	R38/R38	3050	10	-	26213305
39	1 ½	R38/R38	3660	12	-	26213366
39	1 ½	R38/R38	4305	14	1 ½	26213430
39	1 ½	R38/R38	4915	16	-	26213491

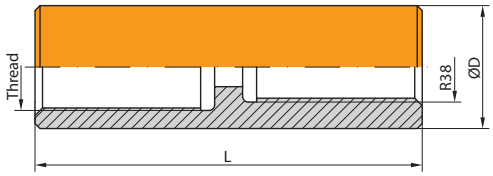
R38 – Coupling sleeve, Bit adapter

Coupling sleeve R38



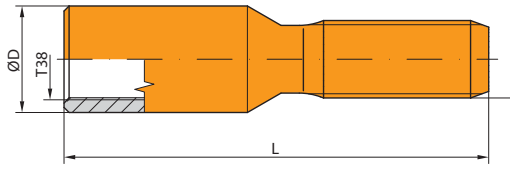
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	R38/R38	160	6 5/16	3921200

Coupling sleeve

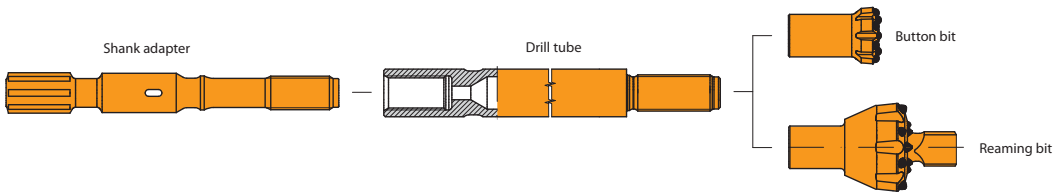


Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	T38/R38	190	7 ½	3927201
62	2 ½	T45/R38	190	7 ½	3937201

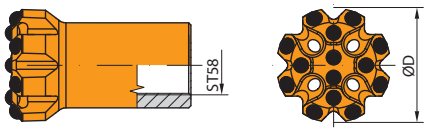
Bit adapter coupling



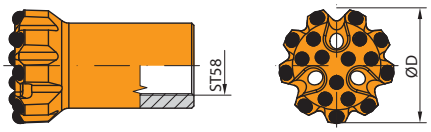
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 5/32	T38/R38	200	7 7/8	3927206



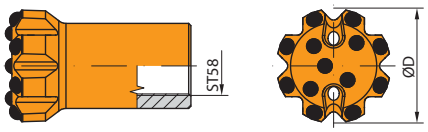
Button bit, Drop center, Type D60



Button bit, Flat face, Type D62

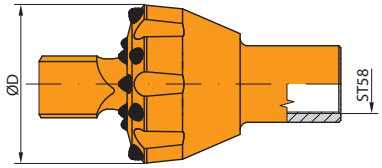


Button bit, Heavy Duty, Type D62



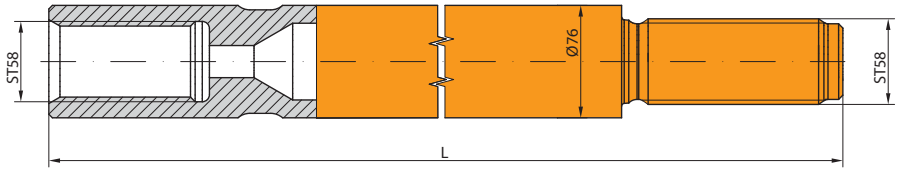
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
89	3 ½	-	4 x 10	8 x 13	5 x 12	D60089ST5805R
89	3 ½	-	4 x 10	8 x 13	5 x 12	D60089ST5805S
102	4	-	4 x 11	8 x 14	6 x 13	D60102ST5805R
102	4	-	4 x 11	8 x 14	6 x 13	D60102ST5805S
115	4 ½	-	4 x 11	8 x 16	6 x 15	D60115ST5805R
115	4 ½	-	4 x 11	8 x 16	6 x 15	D60115ST5805S
127	5	-	4 x 12	8 x 16	8 x 15	D60127ST5805R
127	5	-	4 x 12	8 x 16	8 x 15	D60127ST5805S
89	3 ½	-	3 x 11	9 x 12	9 x 11	D62089ST5805R
89	3 ½	-	3 x 11	9 x 12	9 x 11	D62089ST5805S
102	4	-	3 x 12	9 x 13	9 x 12	D62102ST5805R
102	4	-	3 x 12	9 x 13	9 x 12	D62102ST5805S
115	4 ½	-	3 x 12	9 x 14	10 x 12	D62115ST5805R
115	4 ½	-	3 x 12	9 x 14	10 x 12	D62115ST5805S
127	5	-	3 x 13	9 x 16	10 x 14	D62127ST5805R
127	5	-	3 x 13	9 x 16	10 x 14	D62127ST5805S
89	3 ½	-	2 x 14	8 x 14	5 x 12	D62089ST5815R
102	4	-	2 x 14	8 x 15	6 x 13	D62102ST5815R
115	4 ½	-	2 x 15	8 x 16	7 x 14	D62115ST5815R
127	5	-	2 x 15	8 x 17	8 x 15	D62127ST5815R

Reaming bit, Type D53

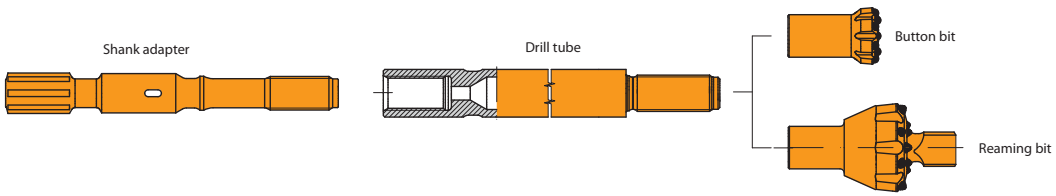


Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
152	6	3 x 14	-	8 x 15	7 x 15	D53152ST5805R

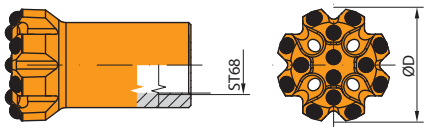
Drill tube, ST58 - Round 76 - ST58



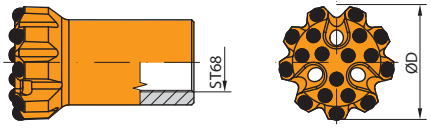
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
76	3	ST58/ST58	1525	5	-	12R76ST58ST58152
76	3	ST58/ST58	1830	6	-	12R76ST58ST58183



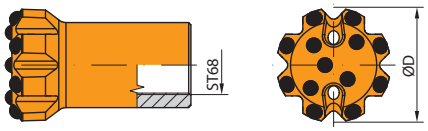
Button bit, Drop center, Type D60



Button bit, Flat face, Type D62

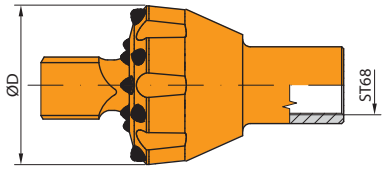


Button bit, Heavy Duty



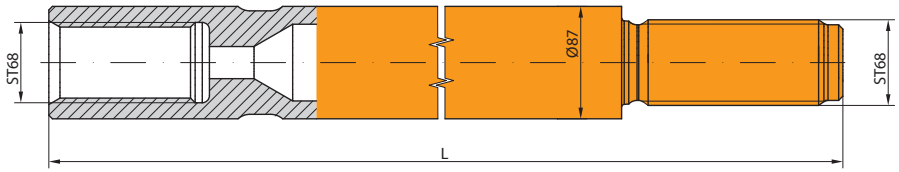
Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
102	4	-	4 x 11	8 x 14	6 x 13	D60102ST6805R
102	4	-	4 x 11	8 x 14	6 x 13	D60102ST6805S
115	4 ½	-	4 x 11	8 x 16	6 x 15	D60115ST6805R
115	4 ½	-	4 x 11	8 x 16	6 x 15	D60115ST6805S
127	5	-	4 x 12	8 x 16	8 x 15	D60127ST6805R
127	5	-	4 x 12	8 x 16	8 x 15	D60127ST6805S
152	6	-	4 x 12	8 x 17	8 x 16	D60152ST6805R
152	6	-	4 x 12	8 x 17	8 x 16	D60152ST6805S
102	4	-	3 x 12	9 x 13	9 x 12	D62102ST6805R
102	4	-	3 x 12	9 x 13	9 x 12	D62102ST6805S
115	4 ½	-	3 x 12	9 x 14	10 x 12	D62115ST6805R
115	4 ½	-	3 x 12	9 x 14	10 x 12	D62115ST6805S
127	5	-	3 x 13	9 x 16	10 x 14	D62127ST6805R
127	5	-	3 x 13	9 x 16	10 x 14	D62127ST6805S
152	6	-	3 x 13	9 x 16	10 x 15	D62152ST6805R
152	6	-	3 x 13	9 x 16	10 x 15	D62152ST6805S
102	4	-	2 x 14	8 x 15	6 x 13	D62102ST6815R
115	4 ½	-	2 x 15	8 x 16	7 x 14	D62115ST6815R
127	5	-	2 x 15	8 x 17	8 x 15	D62127ST6815R
152	6	-	2 x 15	8 x 17	8 x 16	D62152ST6815R

Reaming bit, Type D53



Diameter		Flushing holes (mm)		Buttons (mm)		Catalogue no.
		Side	Front	Gauge	Front	
mm	inch	No x Size	No x Size	No x Size	No x Size	
152	6	3 x 15	-	8 x 16	7 x 16	D53152ST6805R

Drill tube, ST68 - Round 87 - ST68

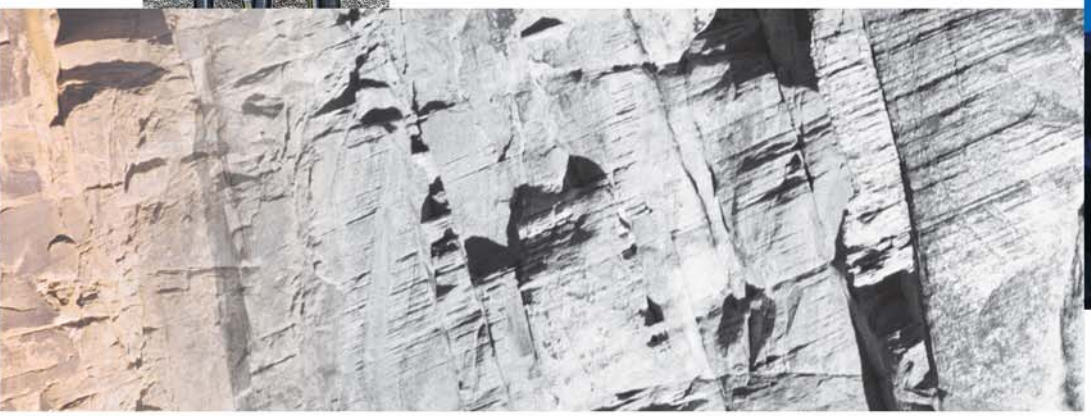


Flushing hole Ø30mm

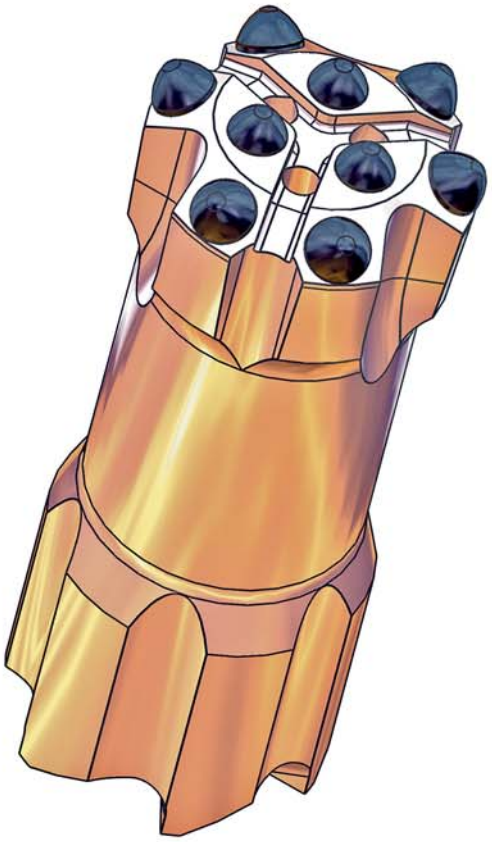
Hex		Threads	Dimensions			Catalogue no.
			Length			
mm	inch		mm	ft	inch	
87	3 ½	ST68/ST68	1525	5	-	12R87ST68ST68152
87	3 ½	ST68/ST68	1830	6	-	12R87ST68ST68183

Notes

DRILLING TOOLS



qonar



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