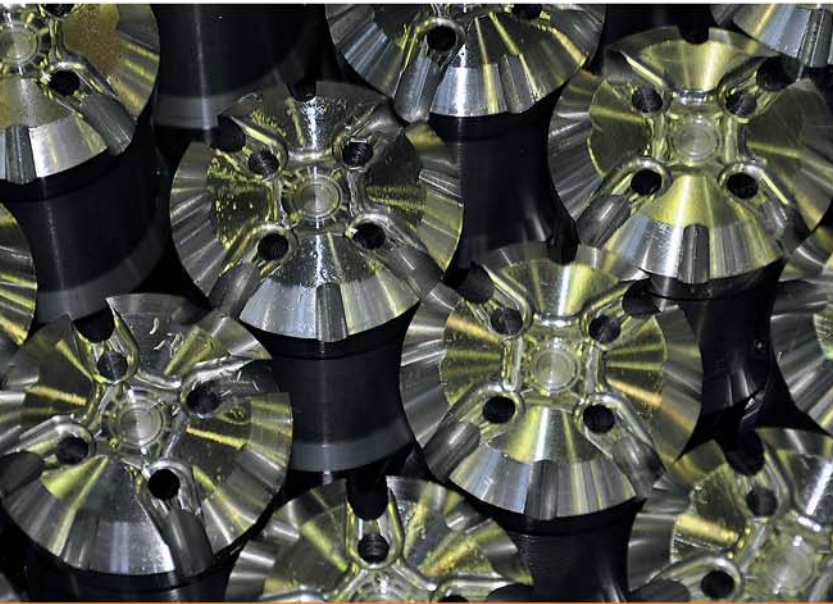


INTEGRAL DRILL STEELS AND TAPERED TOOLS

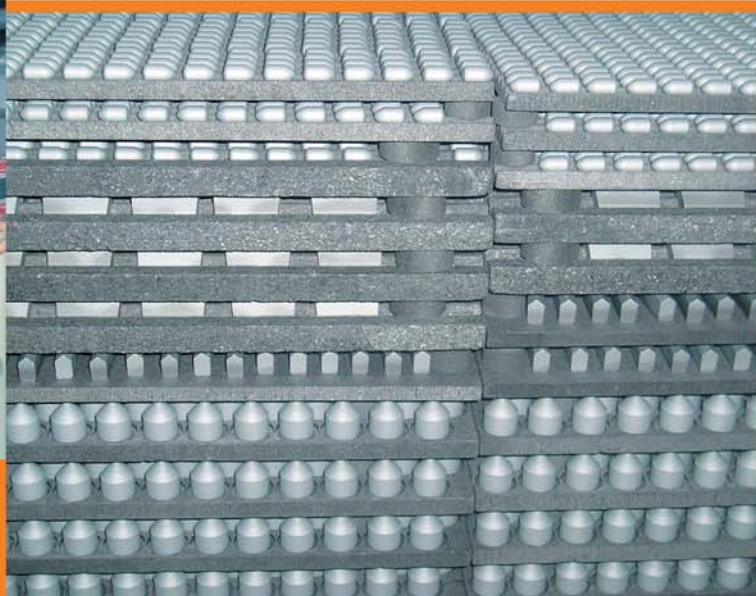
CATALOGUE

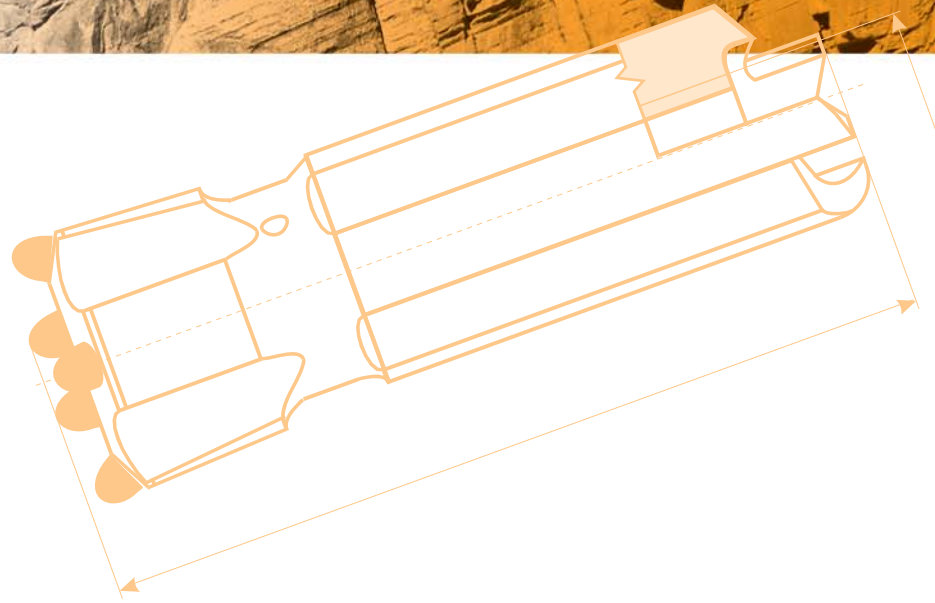




GONAR Co. Ltd. has been operating on the international market since 1974. We have over 40 years of experience in manufacturing of mining, tunnelling & geotech tools. Using raw materials only from certified suppliers in combination with high-tech innovative production facilities, we can guarantee high 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.

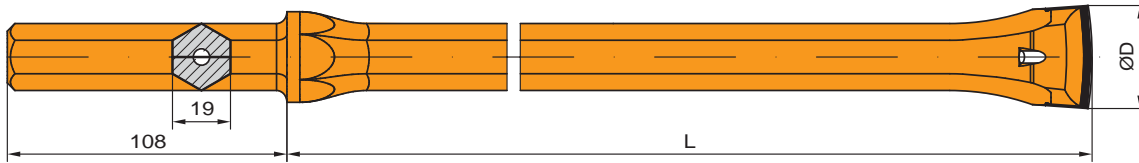




CONTENTS

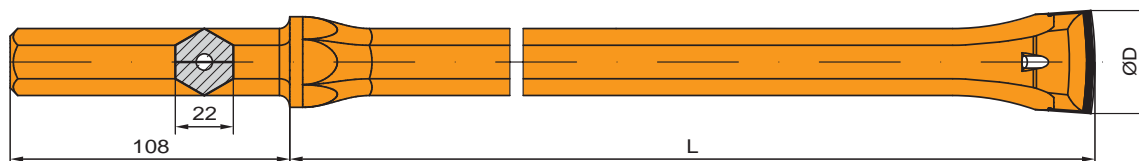
- Integral drill steels	2
- Threaded integral drill steels	5
- Stone working tools	6
- Tapered tools, 4°46' taper	8
- Tapered tools, 7° taper	14
- Tapered tools, 11° taper	19
- Tapered tools, 12° taper	21

Shank Hex 19 x 108 mm



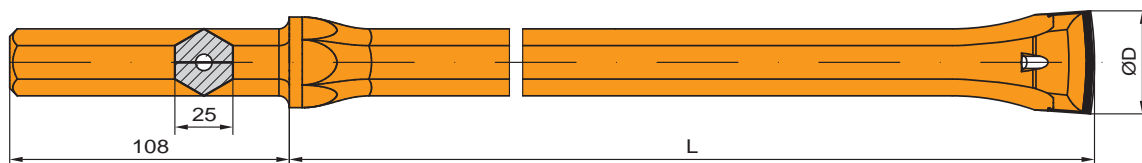
Series	Diameter		Length		Weight	Catalogue no.
	mm	inch	mm	ft/inch	kg	
21	29	1 9/64	400	1' 4"	1,30	0529042
	28	1 7/64	800	2' 7"	2,10	0528082
	27	1 1/16	1600	5' 3"	3,90	0527162
	26	1 1/32	2400	7' 10"	5,30	0526242
	25	1	3200	10' 6"	7,40	0525322
24	27	1 1/16	600	2'	1,60	0527062
	26	1 1/32	1200	3' 11"	3,00	0526122
26	35	1 3/8	400	1' 4"	1,20	0535042
	34	1 11/32	800	2' 7"	2,10	0534082

Shank Hex 22 x 108 mm



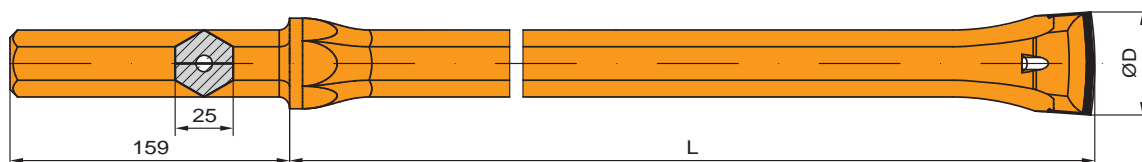
Series	Diameter		Length		Weight	Catalogue no.
	mm	inch	mm	ft/inch	kg	
11	34	1 11/32	800	2' 7"	2,90	0034082
	33	1 19/64	1600	5' 3"	5,30	0033162
	32	1 1/4	2400	7' 10"	7,80	0032242
	31	1 7/32	3200	10' 6"	10,30	0031322
	30	1 3/16	4000	13' 1"	12,50	0030402
	29	1 9/64	4800	15' 9"	14,90	0029482
12	40	1 37/64	800	2' 7"	3,00	0040082
	39	1 17/32	1600	5' 3"	5,40	0039162
	38	1 1/2	2400	7' 10"	7,90	0038242
	37	1 29/64	3200	10' 6"	10,00	0037322
	36	1 27/64	4000	13' 1"	12,70	0036402
	35	1 3/8	4800	15' 9"	15,10	0035482
13	34	1 11/32	400	1' 4"	1,80	0034042
	33	1 19/64	800	2' 7"	2,90	0033082
	32	1 1/4	1200	3' 11"	4,20	0032122
	31	1 7/32	1600	5' 3"	5,40	0031162
	30	1 3/16	2000	6' 7"	6,50	0030202
16	35	1 3/8	600	2'	2,40	0035062
	34	1 11/32	1200	3' 11"	4,20	0034122
	33	1 19/64	1800	5' 11"	6,00	0033182
	32	1 1/4	2400	1' 4"	7,80	0032242
17	41	1 5/8	600	2'	2,40	0041062
	40	1 37/64	1200	3' 11"	4,20	0040122
	39	1 17/32	1800	5' 11"	6,00	0039182
	38	1 1/2	2400	7' 10"	7,90	0038242

Shank Hex 25 x 108 mm

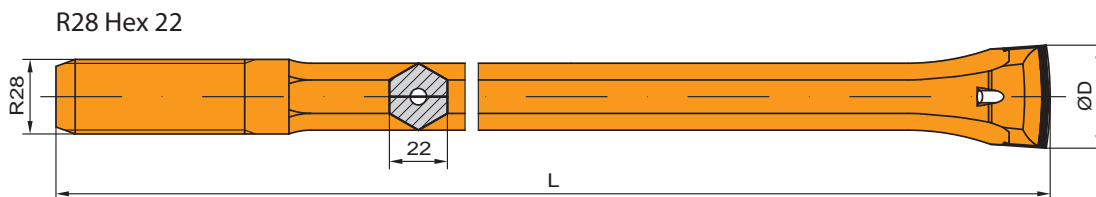


Series	Diameter		Length		Weight	Catalogue no.
	mm	inch	mm	ft/inch	kg	
31	36	1 7/64	800	2' 7"	3,80	0236082
	35	1 3/8	1600	5' 3"	6,80	0235162
	34	1 11/32	2400	7' 10"	10,10	0234242
	33	1 5/16	3200	10' 6"	13,80	0233322
32	42	1 21/32	800	2' 7"	3,80	0242082
	41	1 5/8	1600	5' 3"	6,90	0241162
	40	1 37/64	2400	7' 10"	10,20	0240242
	39	1 17/32	3200	10' 6"	13,90	0239322
	38	1 1/2	4000	13' 1"	16,10	0238402

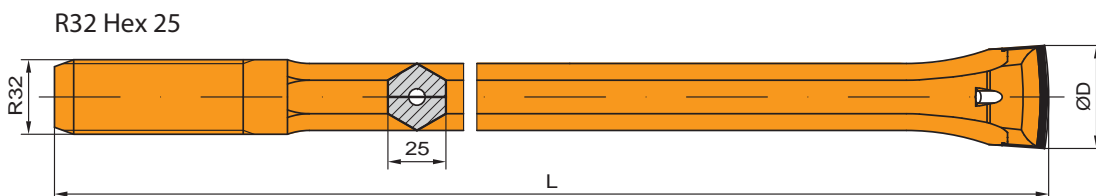
Shank Hex 25 x 159 mm



Series	Diameter		Length		Weight	Catalogue no.
	mm	inch	mm	ft/inch	kg	
32	42	1 21/32	800	2' 7"	4,20	0342082
	41	1 5/8	1600	5' 3"	7,40	0341162
	40	1 37/64	2400	7' 10"	10,60	0340242
	39	1 17/32	3200	10' 6"	13,60	0339322
	38	1 1/2	4000	13' 1"	17,00	0338402

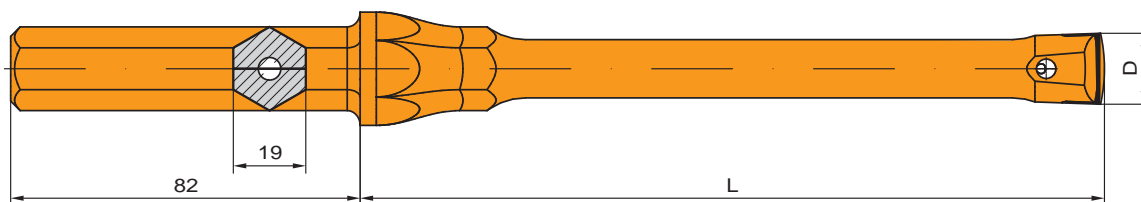


Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
28	1 7/64	1830	6'	5,80	920534418
		1930	6' 4"	6,10	92053418
		2110	6' 11"	6,65	9205345
		2200	7' 2 5/8"	7,00	9205347
		2320	7' 7 11/32"	7,30	9205348
		2400	7' 10 1/2"	7,80	92053416
		2515	8' 3"	8,20	9205342
		2620	8' 7 5/32"	9,15	92053411
		2940	9' 7 3/4"	10,25	9205346
		3300	10' 9 31/32"	11,4	92053421



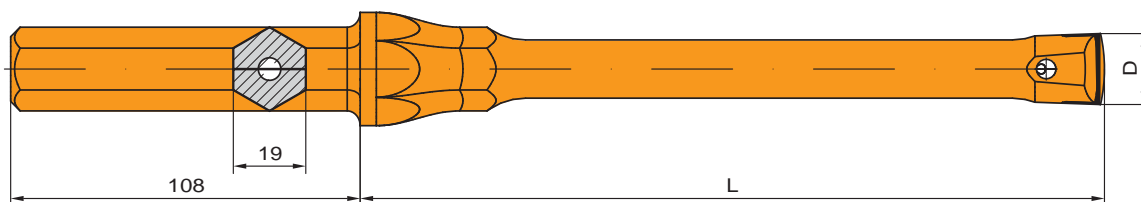
Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
30	1 3/16	1780	5' 10"	7,10	9205498
		1900	6' 2 3/4"	7,60	9205500
		2000	6' 6 3/4"	7,95	9205501
		2100	6' 10 11/16"	8,35	9205495
		2160	7' 1"	8,60	9205496
		2200	7' 2 5/8"	8,75	9205497
		2530	8' 3 19/32"	10,00	9205491
		2820	9' 3"	11,15	9205490
		2940	9' 7 3/4"	11,60	9205494
		3320	10' 10 11/16"	13,10	9205493

Plug hole integral steel Hex 19 x 82 mm



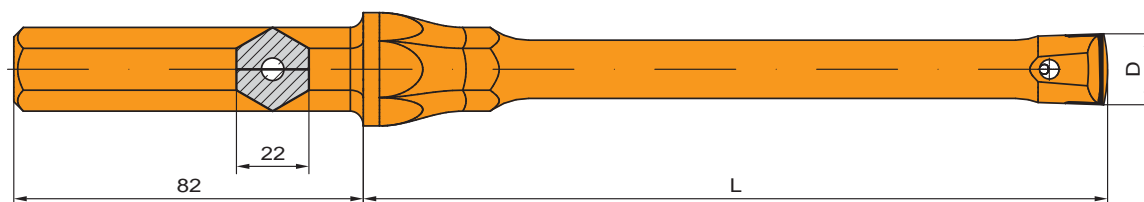
Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
19	3/4	230	9 1/9"	0,85	09222343
		250	9 7/8"	0,92	09222543
		300	11 7/8"	1,00	09223043
		350	1' 1 3/4"	1,12	09223543
		400	1' 3 3/4"	1,48	09224043
		500	1' 7 3/4"	1,85	09225043

Plug hole integral steel Hex 19 x 108 mm



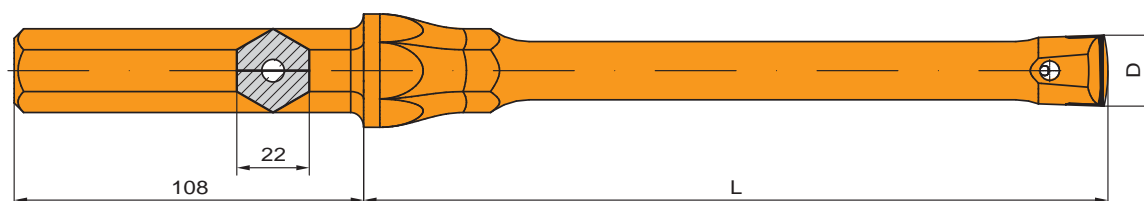
Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
19	3/4	230	9 1/9"	0,91	09222342
		250	9 7/8"	1,00	09222542
		300	11 7/8"	1,06	09223042
		350	1' 1 3/4"	1,18	09223542
		400	1' 3 3/4"	1,58	09224042
		500	1' 7 3/4"	1,98	09225042

Plug hole integral steel Hex 22 x 82 mm



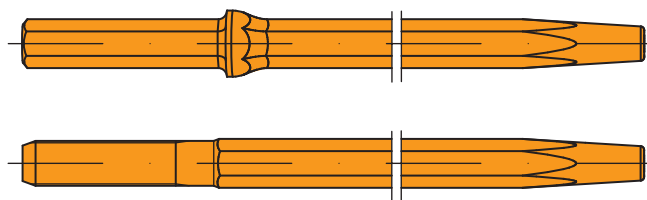
Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
22	7/8	230	9 1/9"	0,62	09222341
		250	9 7/8"	0,68	09222541
		300	11 7/8"	0,83	09223041
		350	1' 1 3/4"	0,97	09223541
		400	1' 3 3/4"	1,12	09224041
		500	1' 7 3/4"	1,42	09225041

Plug hole integral steel Hex 22 x 108 mm



Diameter		Length		Weight	Catalogue no.
mm	inch	mm	ft/inch	kg	
22	7/8	230	9 1/9"	0,70	09222340
		250	9 7/8"	0,76	09222540
		300	11 7/8"	0,91	09223040
		350	1' 1 3/4"	1,05	09223540
		400	1' 3 3/4"	1,20	09224040
		500	1' 7 3/4"	1,50	09225040

Tapered rods



Button bit

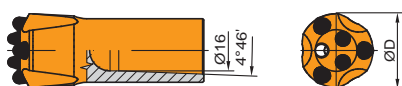


Cross bit

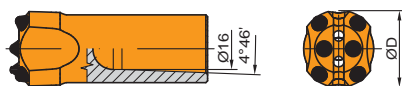


Chisel bit

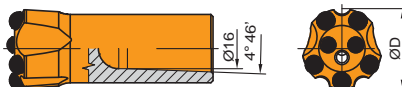
Button bit, Type T45



Button bit, Type T46

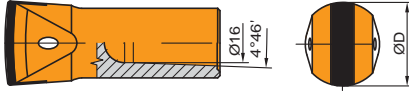


Button bit, Type T47

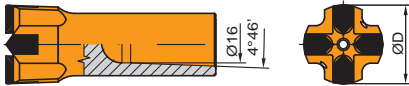


Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
28	1 7/64	1 x 5	1 x 4	3 x 7	2 x 6	0,20	T45028041605R
28	1 7/64	1 x 5	1 x 4	3 x 7	2 x 6	0,20	T45028041605S
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	0,24	T45030041605R
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	0,24	T45030041605S
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	0,27	T45032041605R
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	0,27	T45032041605S
32	1 1/4	-	2 x 5	4 x 7	2 x 6	0,28	T46032041605R
32	1 1/4	-	2 x 5	4 x 7	2 x 6	0,28	T46032041605S
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,31	T46035041605R
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,31	T46035041605S
38	1 29/64	-	2 x 5	4 x 9	2 x 7	0,35	T46038041605R
38	1 29/64	-	2 x 5	4 x 9	2 x 7	0,35	T46038041605S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032041605R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032041605S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035041605R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035041605S
38	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	0,37	T47038041605R
38	1 29/64	1 x 6	1 x 5	5 x 8	2 x 7	0,37	T47038041605S

Chisel bit

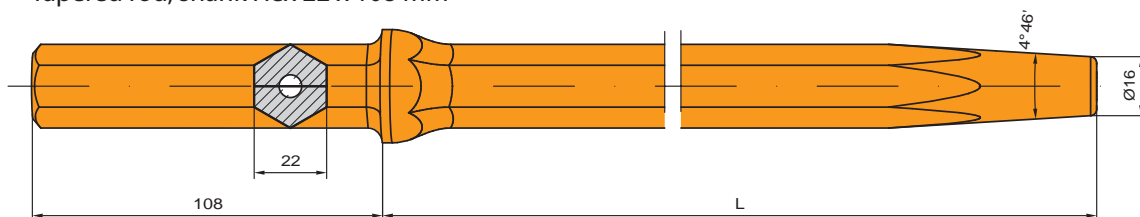


Cross bit



Diameter		Flushing holes (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size		
mm	inch				
26	1 1/32	2 x 5	-	0,16	T41026041602
28	1 7/64	2 x 5	-	0,17	T41028041602
30	1 3/16	2 x 5	-	0,19	T41030041602
32	1 1/4	2 x 5	-	0,22	T41032041602
35	1 3/8	2 x 5	-	0,25	T41035041602
28	1 7/64	2 x 5	1 x 4,5	0,19	T42028041602
30	1 3/16	2 x 5	1 x 4,5	0,22	T42030041602
32	1 1/4	2 x 5	1 x 4,5	0,26	T42032041602
35	1 3/8	2 x 5	1 x 4,5	0,32	T42035041602
38	1 1/2	2 x 5	1 x 4,5	0,37	T42038041602
41	1 5/8	2 x 5	1 x 4,5	0,43	T42041041602

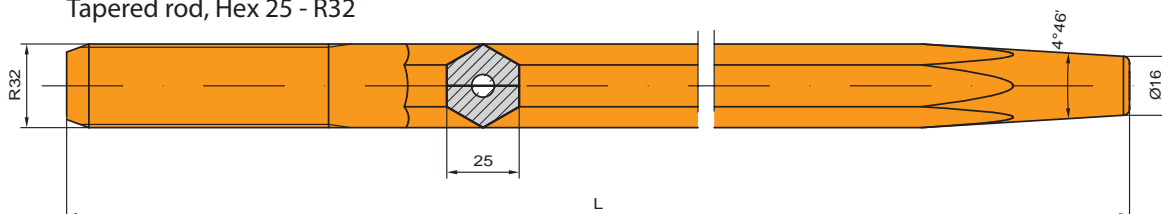
Tapered rod, shank Hex 22 x 108 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	2,70	103080
1200	3' 11"	4,10	103120
1600	5' 3"	5,20	103160
2000	6' 7"	6,40	103200
2400	7' 10"	7,60	103240
3200	10' 6"	10,10	103320
4000	13' 1"	12,40	103400
4800	15' 9"	14,80	103480

Different length of rods available for special customer's request

Tapered rod, Hex 25 - R32

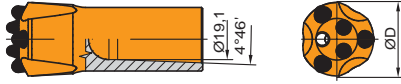


Length		Weight kg	Catalogue no.
mm	ft/inch		
2000	6' 7"	8,00	28017201
2160	7' 1"	8,60	28017211
2200	7' 2"	8,70	28017221
2300	7' 4 1/2"	9,10	28017231
2440	8'	9,70	28017241
2500	8' 2 1/2"	9,90	28017251
2700	8' 10 1/4"	10,70	28017271
2900	9' 6 1/8"	11,50	28017291
3100	10' 2"	12,20	28017311
3300	10' 10"	13,00	28017331
4000	13' 1"	15,70	28017401
4800	15' 9"	19,60	28017481

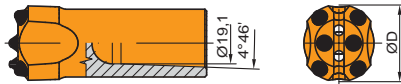
Different length of rods available for special customer's request

Tapered tools, 4°46' taper

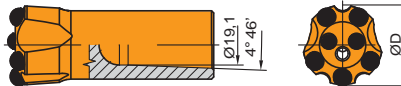
Button bit, Type T45



Button bit, Type T46

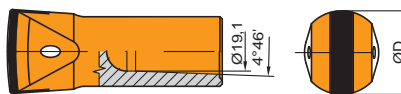


Button bit, Type T47

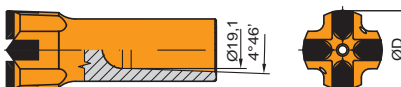


Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side	Front	Gauge	Front		
mm	inch	No x Size	No x Size	No x Size	No x Size		
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	0,24	T45030041905R
30	1 3/16	1 x 5	1 x 5	3 x 7	2 x 6	0,24	T45030041905S
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	0,27	T45032041905R
32	1 1/4	1 x 5	1 x 5	3 x 8	2 x 7	0,27	T45032041905S
32	1 1/4	-	2 x 5	4 x 7	2 x 6	0,28	T46032041905R
32	1 1/4	-	2 x 5	4 x 7	2 x 6	0,28	T46032041905S
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,31	T46035041905R
35	1 3/8	-	2 x 5	4 x 8	2 x 7	0,31	T46035041905S
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,35	T46038041905R
38	1 1/2	-	2 x 5	4 x 9	2 x 7	0,35	T46038041905S
41	1 5/8	-	2 x 5	4 x 9	2 x 8	0,39	T46041041905R
41	1 5/8	-	2 x 5	4 x 9	2 x 8	0,39	T46041041905S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032041905R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032041905S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035041905R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035041905S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038041905R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038041905S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,40	T47041041905R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,40	T47041041905S

Chisel bit

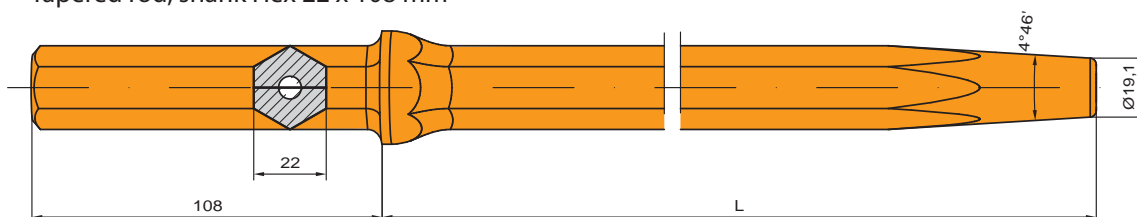


Cross bit



Diameter		Flushing holes (mm)		Weight kg	Catalogue no.
		Side	Front		
mm	inch	No x Size	No x Size		
32	1 1/4	2 x 5	-	0,22	T41032041902
33	1 9/64	2 x 5	-	0,23	T41033041902
35	1 3/8	2 x 5	-	0,25	T41035041902
38	1 1/2	2 x 5	-	0,28	T41038041902
41	1 5/8	2 x 5	-	0,32	T41041041902
43	1 11/16	2 x 5	-	0,36	T41043041902
45	1 3/4	2 x 5	-	0,41	T41045041902
32	1 1/4	2 x 5	1 x 5	0,25	T42032041902
33	1 9/64	2 x 5	1 x 5	0,27	T42033041902
35	1 3/8	2 x 5	1 x 5	0,31	T42035041902
38	1 1/2	2 x 5	1 x 5	0,36	T42038041902
41	1 5/8	2 x 5	1 x 5	0,42	T42041041902
43	1 11/16	2 x 5	1 x 5	0,45	T42043041902
45	1 3/4	2 x 5	1 x 5	0,48	T42045041902
51	2	2 x 5	1 x 5	0,63	T42051041902
54	2 1/4	2 x 5	1 x 5	0,76	T42054041902

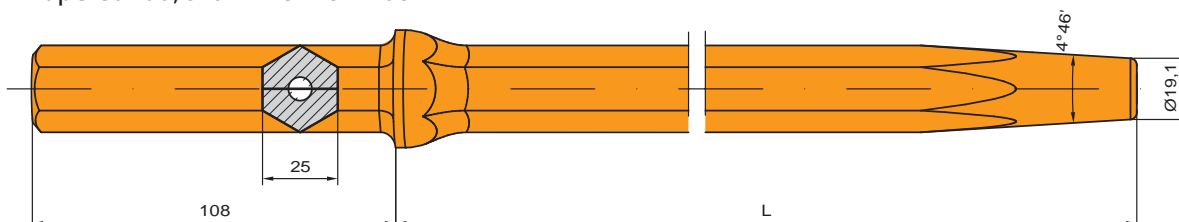
Tapered rod, shank Hex 22 x 108 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	2,70	1004080
1200	3' 11"	4,10	1004120
1600	5' 3"	5,20	1004160
2000	6' 7"	6,40	1004200
2400	7' 10"	7,60	1004240
3200	10' 6"	10,10	1004320
4000	13' 1"	12,40	1004400
4800	15' 9"	14,80	1004480

Different length of rods available for special customer's request

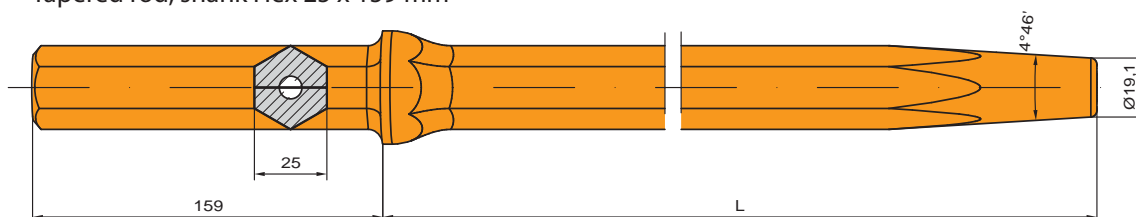
Tapered rod, shank Hex 25 x 108 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	3,70	1304080
1200	3' 11"	5,30	1304120
1600	5' 3"	6,80	1304160
2000	6' 7"	8,40	1304200
2400	7' 10"	9,90	1304240
3200	10' 6"	13,00	1304320
4000	13' 1"	16,10	1304400
4800	15' 9"	19,20	1304480

Different length of rods available for special customer's request

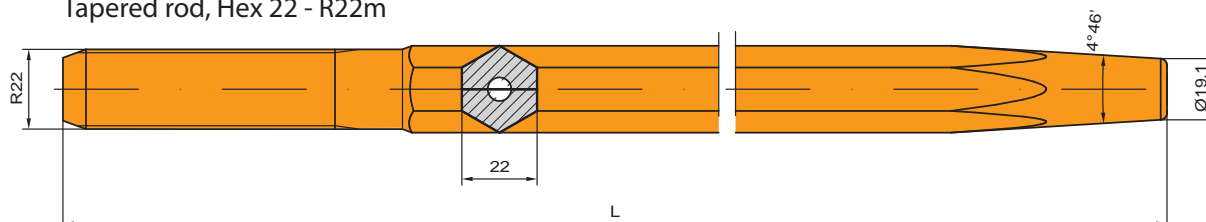
Tapered rod, shank Hex 25 x 159 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	3,90	1704080
1200	3' 11"	5,50	1704120
1600	5' 3"	7,00	1704160
2000	6' 7"	8,60	1704200
2400	7' 10"	10,10	1704240
3200	10' 6"	13,20	1704320
4000	13' 1"	16,30	1704400
4800	15' 9"	19,40	1704480

Different length of rods available for special customer's request

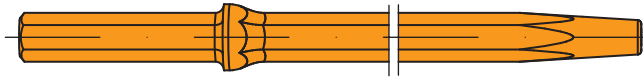
Tapered rod, Hex 22 - R22m



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	2,30	92604308
1200	3' 11"	3,60	92604312
1600	5' 3"	4,80	92604316
1800	6'	5,40	92604318
2000	6' 7"	6,00	92604320
2400	7' 10"	7,20	92604324
3200	10' 6"	9,70	92604332
4000	13' 1"	12,10	92604340
4800	15' 9"	14,50	92604348

Different length of rods available for special customer's request

Tapered rod

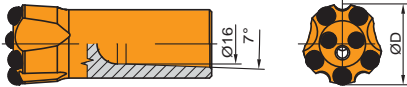


Button bit

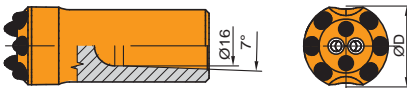


Cross bit

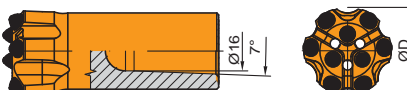
Button bit, Type T47



Button bit, Type T48

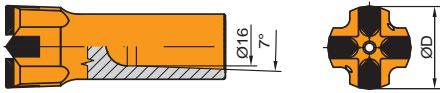


Button bit, Type T49



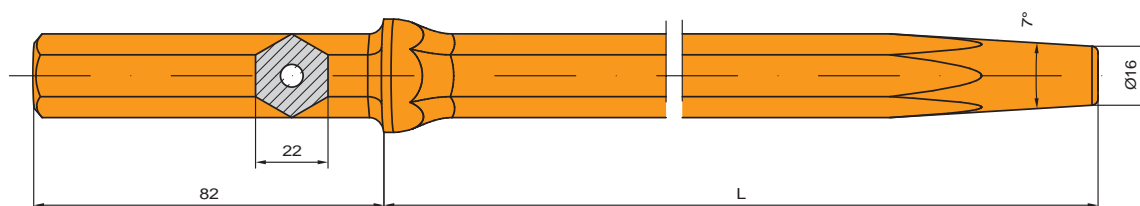
Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030071605R
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030071605S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032071605R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032071605S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035071605R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035071605S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038071605R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038071605S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041071605R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041071605S
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032071605R
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032071605S
35	1 3/8	-	2 x 5	6 x 7	2 x 7	0,31	T48035071605R
35	1 3/8	-	2 x 5	6 x 7	2 x 7	0,31	T48035071605S
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038071605R
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038071605S
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041071605R
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041071605S
45	1 3/4	-	2 x 6	6 x 10	2 x 9	0,60	T48045071605R
45	1 3/4	-	2 x 6	6 x 10	2 x 9	0,60	T48045071605S
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035071605R
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035071605S
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038071605R
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038071605S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 8	0,46	T49041071605R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 8	0,46	T49041071605S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043071605R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043071605S

Cross bit



Diameter		Flushing holes (mm)		Weight	Catalogue no.
		Side	Front		
mm	inch	No x Size	No x Size	kg	
28	1 7/64	2 x 5	1 x 4,5	0,24	T42028071602
30	1 3/16	2 x 5	1 x 4,5	0,26	T42030071602
32	1 1/4	2 x 5	1 x 4,5	0,28	T42032071602
35	1 3/8	2 x 5	1 x 4,5	0,34	T42035071602
38	1 1/2	2 x 5	1 x 4,5	0,39	T42038071602
41	1 5/8	2 x 5	1 x 4,5	0,45	T42041071602
43	1 11/16	2 x 5	1 x 4,5	0,50	T42043071602
45	1 3/4	2 x 5	1 x 4,5	0,53	T42045071602

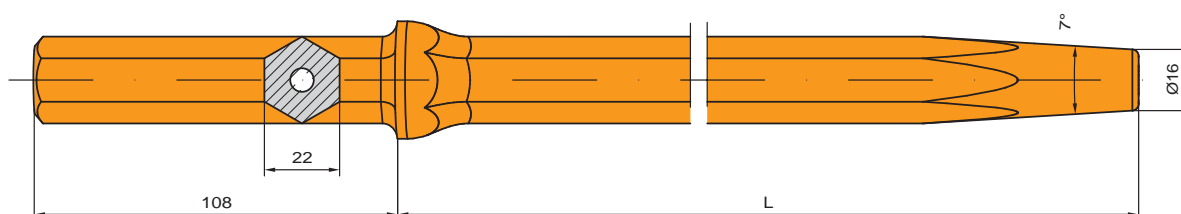
Tapered rod, shank Hex 22 x 82 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	2,60	1270080
1200	3' 11"	4,00	1270120
1600	5' 3"	5,10	1270160
2000	6' 7"	6,30	1270200
2400	7' 10"	7,50	1270240
3200	10' 6"	10,00	1270320
4000	13' 1"	12,30	1270400
4800	15' 9"	14,70	1270480

Different length of rods available for special customer's request

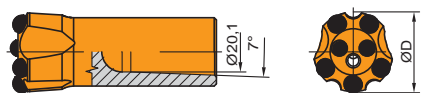
Tapered rod, shank Hex 22 x 108 mm



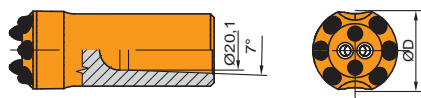
Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	2,70	1070080
1200	3' 11"	4,10	1070120
1600	5' 3"	5,20	1070160
2000	6' 7"	6,40	1070200
2400	7' 10"	7,60	1070240
3200	10' 6"	10,10	1070320
4000	13' 1"	12,40	1070400
4800	15' 9"	14,70	1070480

Different length of rods available for special customer's request

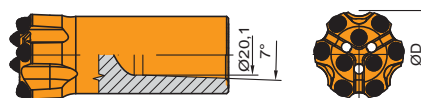
Button bit, Type T47



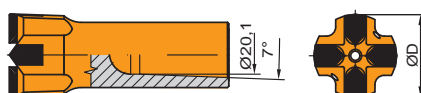
Button bit, Type T48



Button bit, Type T49



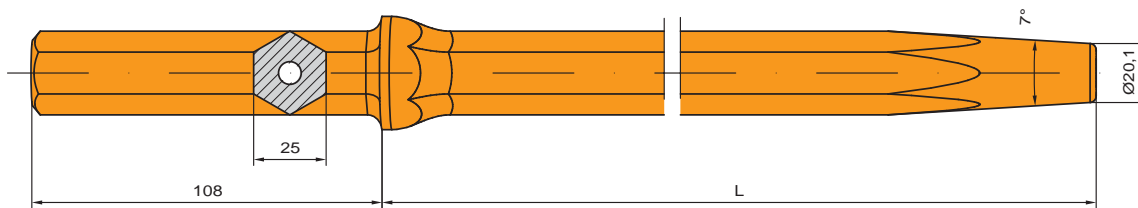
Cross bit



Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
mm	inch						
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,26	T47030072005R
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,26	T47030072005S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,29	T47032072005R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,29	T47032072005S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,32	T47035072005R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,32	T47035072005S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,38	T47038072005R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,38	T47038072005S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041072005R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041072005S
35	1 3/8	-	2 x 5	6 x 7	2 x 7	0,32	T48035072005R
35	1 3/8	-	2 x 5	6 x 7	2 x 7	0,32	T48035072005S
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,38	T48038072005R
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,38	T48038072005S
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,47	T48041072005R
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,47	T48041072005S
45	1 3/4	-	2 x 6	6 x 10	1 x 9	0,61	T48045072005R
45	1 3/4	-	2 x 6	6 x 10	2 x 9	0,61	T48045072005S
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,32	T49035072005R
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,32	T49035072005S
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,38	T49038072005R
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,38	T49038072005S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,47	T49041072005R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,47	T49041072005S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,54	T49043072005R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,54	T49043072005S

Diameter		Flushing holes (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size		
mm	inch				
28	1 7/64	2 x 5	1 x 4,5	0,25	T42028072002
30	1 3/16	2 x 5	1 x 4,5	0,27	T42030072002
32	1 1/4	2 x 5	1 x 4,5	0,29	T42032072002
35	1 3/8	2 x 5	1 x 4,5	0,35	T42035072002
38	1 1/2	2 x 5	1 x 4,5	0,40	T42038072002
41	1 5/8	2 x 5	1 x 4,5	0,45	T42041072002
43	1 11/16	2 x 5	1 x 4,5	0,50	T42043072002
45	1 3/4	2 x 5	1 x 4,5	0,54	T42045072002

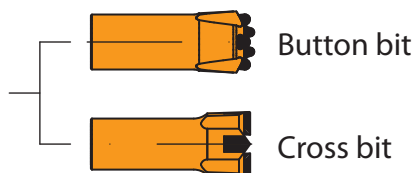
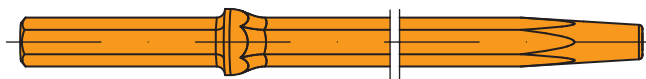
Tapered rod, shank Hex 25 x 108 mm



Length		Weight kg	Catalogue no.
mm	ft/inch		
800	2' 7"	3,70	1370080
1200	3' 11"	5,30	1370120
1600	5' 3"	6,80	1370160
2000	6' 7"	8,40	1370200
2400	7' 10"	9,90	1370240
3200	10' 6"	13,00	1370320
4000	13' 1"	16,10	1370400
4800	15' 9"	19,20	1370480

Different length of rods available for special customer's request

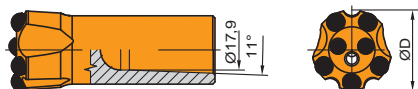
Tapered rod



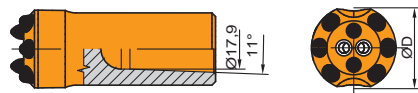
Button bit

Cross bit

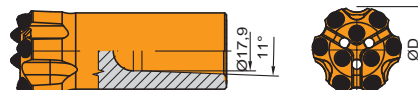
Button bit, Type T47



Button bit, Type T48



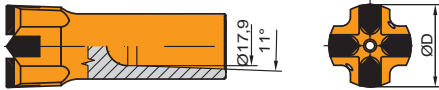
Button bit, Type T49



Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
mm	inch						
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030111805R
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030111805S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032111805R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032111805S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035111805R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035111805S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038111805R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038111805S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041111805R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041111805S
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032111805R
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032111805S
35	1 3/8	-	2 x 6	6 x 7	2 x 7	0,31	T48035111805R
35	1 3/8	-	2 x 6	6 x 7	2 x 7	0,31	T48035111805S
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038111805R
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038111805S
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041111805R
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041111805S
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035111805R
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035111805S
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038111805R
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038111805S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 8	0,46	T49041111805R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 8	0,46	T49041111805S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043111805R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043111805S

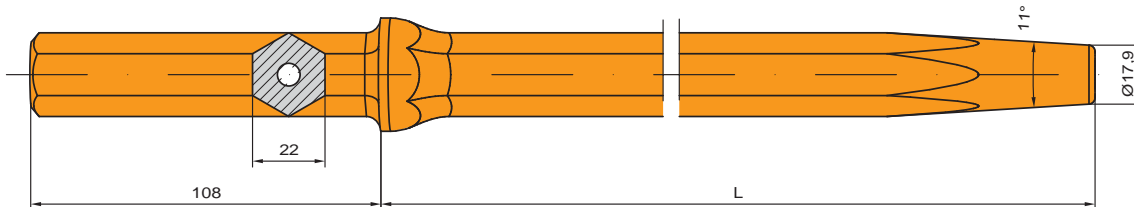
Tapered tools, 11° taper

Cross bit



Diameter		Flushing holes (mm)		Weight	Catalogue no.
		Side	Front		
mm	inch	No x Size	No x Size	kg	
28	1 7/64	2 x 5	1 x 4,5	0,24	T42028111802
30	1 3/16	2 x 5	1 x 4,5	0,26	T42030111802
32	1 1/4	2 x 5	1 x 4,5	0,28	T42032111802
35	1 3/8	2 x 5	1 x 4,5	0,34	T42035111802
38	1 1/2	2 x 5	1 x 4,5	0,39	T42038111802
41	1 5/8	2 x 5	1 x 4,5	0,45	T42041111802
43	1 11/16	2 x 5	1 x 4,5	0,50	T42043111802
45	1 3/4	2 x 5	1 x 4,5	0,53	T42045111802

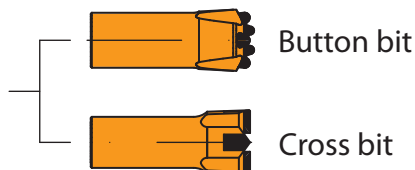
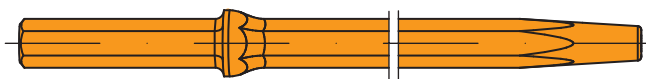
Tapered rod, shank Hex 22 x 108 mm



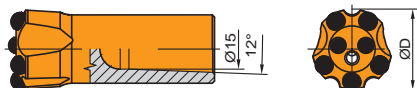
Length		Weight	Catalogue no.
mm	ft/inch		
800	2' 7"	2,70	1011080
1200	3' 11"	4,10	1011120
1600	5' 3"	5,20	1011160
2000	6' 7"	6,40	1011200
2400	7' 10"	7,60	1011240
3200	10' 6"	10,10	1011320
4000	13' 1"	12,40	1011400
4800	15' 9"	14,80	1011480

Different length of rods available for special customer's request

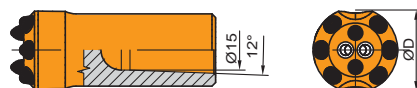
Tapered rod



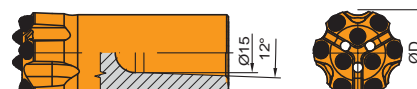
Button bit, Type T47



Button bit, Type T48



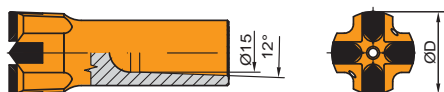
Button bit, Type T49



Diameter		Flushing holes (mm)		Buttons (mm)		Weight kg	Catalogue no.
		Side No x Size	Front No x Size	Gauge No x Size	Front No x Size		
mm	inch						
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030121505R
30	1 3/16	1 x 5	1 x 5	5 x 7	2 x 6	0,25	T47030121505S
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032121505R
32	1 1/4	1 x 5	1 x 5	5 x 7	2 x 6	0,28	T47032121505S
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035121505R
35	1 3/8	1 x 6	1 x 5	5 x 8	2 x 7	0,31	T47035121505S
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038121505R
38	1 1/2	1 x 6	1 x 5	5 x 9	2 x 7	0,37	T47038121505S
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041121505R
41	1 5/8	1 x 6	1 x 5	5 x 9	2 x 8	0,46	T47041121505S
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032121505R
32	1 1/4	-	2 x 5	6 x 7	2 x 6	0,28	T48032121505S
35	1 3/8	-	2 x 6	6 x 7	2 x 7	0,31	T48035121505R
35	1 3/8	-	2 x 6	6 x 7	2 x 7	0,31	T48035121505S
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038121505R
38	1 1/2	-	2 x 6	6 x 8	2 x 7	0,37	T48038121505S
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041121505R
41	1 5/8	-	2 x 6	6 x 9	2 x 8	0,46	T48041121505S
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035121505R
35	1 3/8	-	3 x 5	6 x 7	3 x 7	0,31	T49035121505S
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038121505R
38	1 1/2	1 x 5	3 x 5	6 x 8	3 x 7	0,37	T49038121505S
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,46	T49041121505R
41	1 5/8	1 x 5	3 x 5	6 x 8	3 x 7	0,46	T49041121505S
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043121505R
43	1 11/16	1 x 5	3 x 5	6 x 9	3 x 8	0,53	T49043121505S

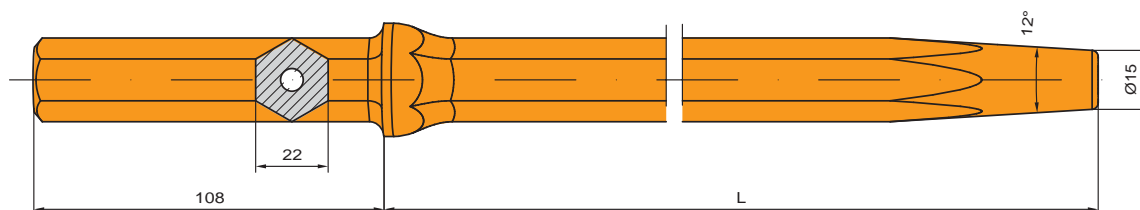
Tapered tools, 12° taper

Cross bit



Diameter		Flushing holes (mm)		Weight	Catalogue no.
		Side	Front		
mm	inch	No x Size	No x Size	kg	
28	1 7/64	2 x 5	1 x 4,5	0,24	T42028121502
30	1 3/16	2 x 5	1 x 4,5	0,26	T42030121502
32	1 1/4	2 x 5	1 x 4,5	0,28	T42032121502
35	1 3/8	2 x 5	1 x 4,5	0,34	T42035121502
38	1 1/2	2 x 5	1 x 4,5	0,39	T42038121502
41	1 5/8	2 x 5	1 x 4,5	0,45	T42041121502
43	1 11/16	2 x 5	1 x 4,5	0,50	T42043121502
45	1 3/4	2 x 5	1 x 4,5	0,53	T42045121502

Tapered rod, shank Hex 22 x 108 mm



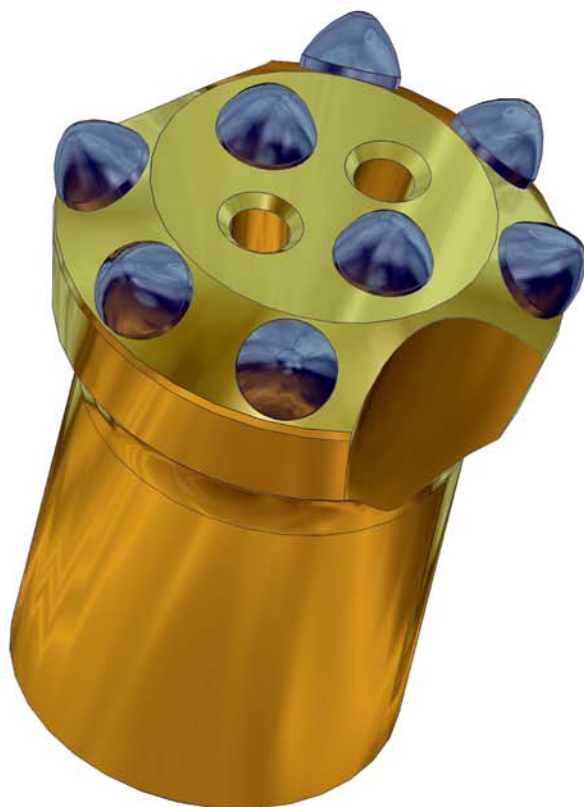
Length		Weight	Catalogue no.
mm	ft/inch		
800	2' 7"	2,70	1012080
1200	3' 11"	4,10	1012120
1600	5' 3"	5,20	1012160
2000	6' 7"	6,40	1012200
2400	7' 10"	7,60	1012240
3200	10' 6"	10,10	1012320
4000	13' 1"	12,40	1012400
4800	15' 9"	14,80	1012480

Different length of rods available for special customer's request



DRILLING TOOLS





GONAR Co. Ltd., 109 Obroki Str., 40-833 Katowice, Poland

Phone: +48 32 207 12 00, Fax: +48 32 207 12 50

Sales department – Phone: +48 32 207 12 16÷18, Fax: +48 32 254 03 11

E-mail: gonar@gonar.com.pl

www.gonar.com.pl