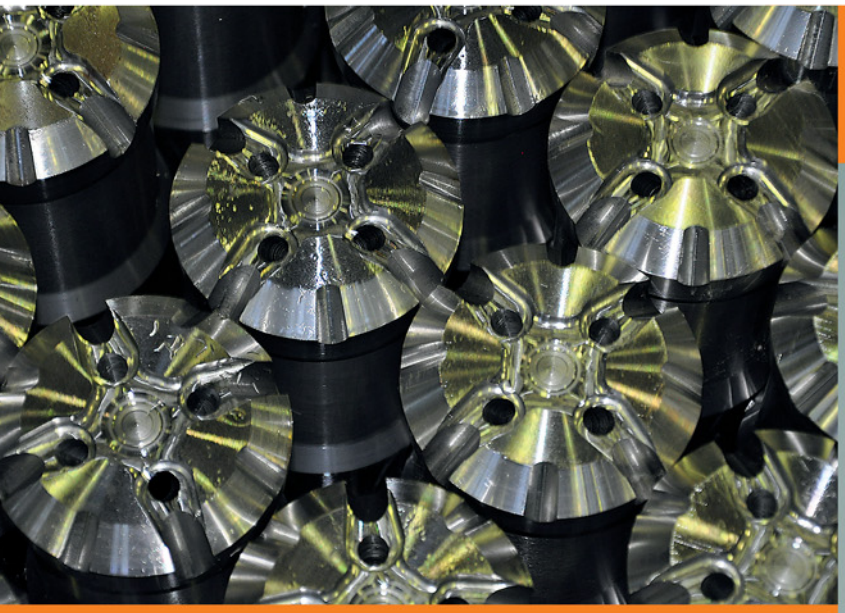
BENCH DRILLING

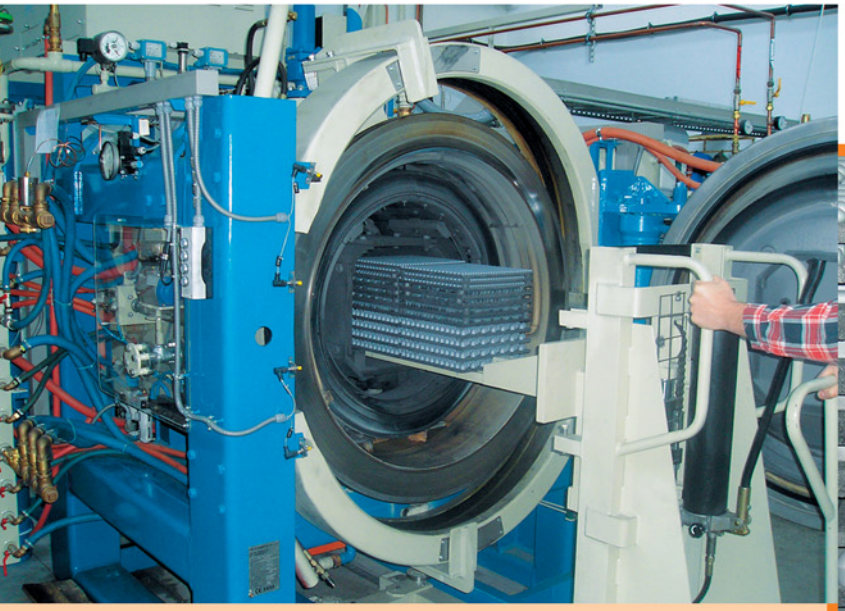
CATALOGUE

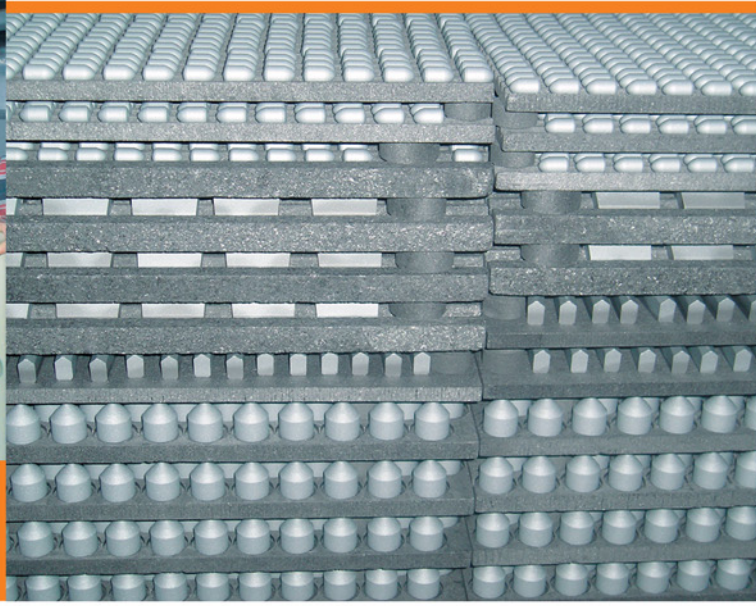
qonar

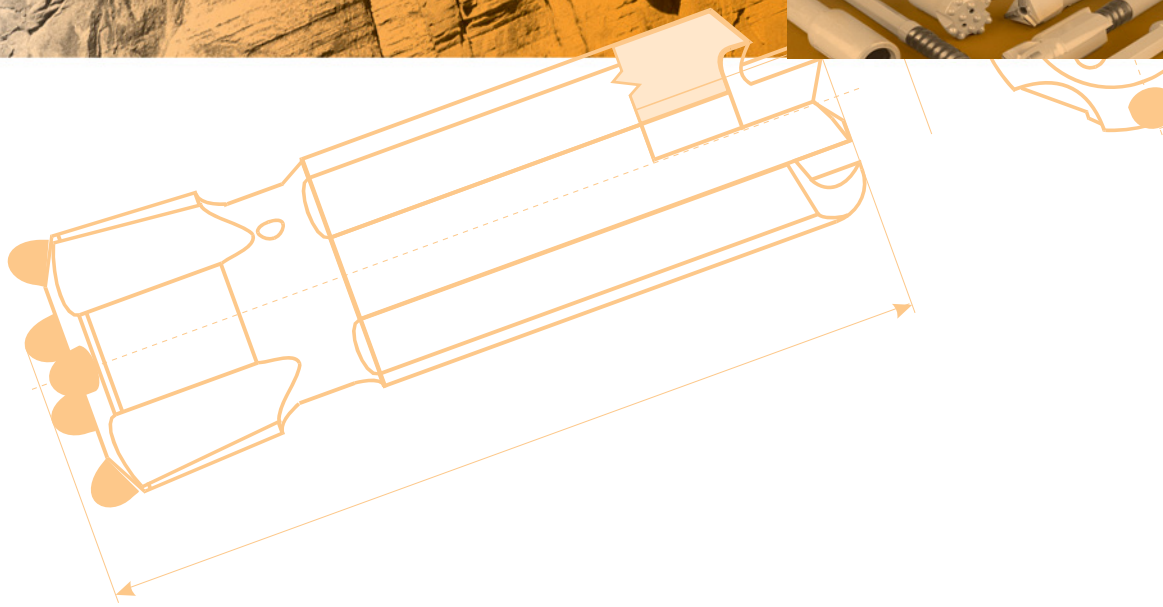


GONAR Co. Ltd. has been operating on the international market since 1974. We have 39 years of expertise in manufacturing of mining, tunnelling & geotech tools. Using raw materials only from certified suppliers in combination with high-tech innovative production facilities, we can guarantee high quality 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.

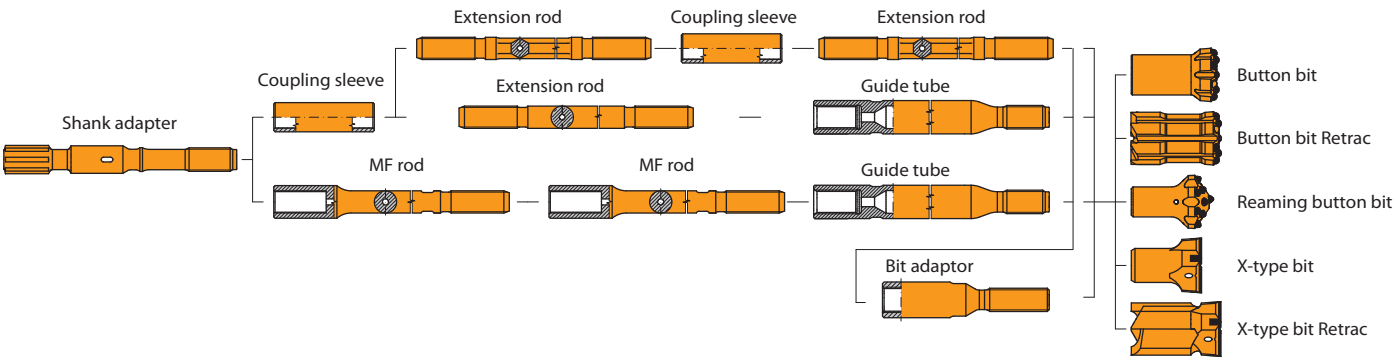




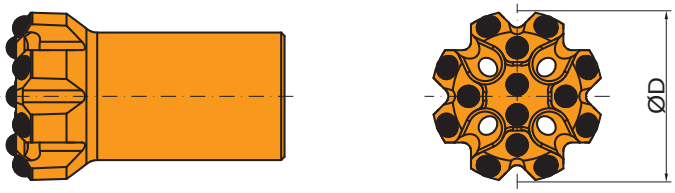


Bits, Rods, Couplings, Bit Adapters

- T38
- T45
- T51
- GT60



Button bit – DROP CENTER

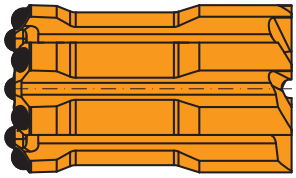


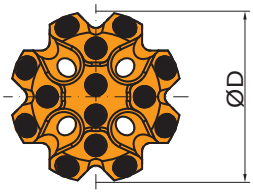
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
64	2 ½	-	4x8	8x11	5x10	B50064T3805R
64	2 ½	-	4x8	8x11	5x10	B50064T3805S
70	2 ¾	-	4x8	8x12	5x11	B50070T3805R
70	2 ¾	-	4x8	8x12	5x11	B50070T3805S
76	3	-	4x8	8x13	5x12	B50076T3805R
76	3	-	4x8	8x13	5x12	B50076T3805S
89	3 ½	-	4x9	8x14	5x13	B50089T3805R
89	3 ½	-	4x9	8x14	5x13	B50089T3805S
102	4	-	4x9	8x14	7x13	B50102T3805R
102	4	-	4x9	8x14	7x13	B50102T3805S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – DROP CENTER – RETRAC



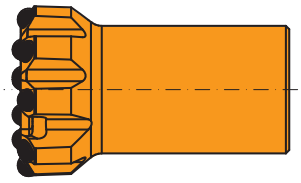


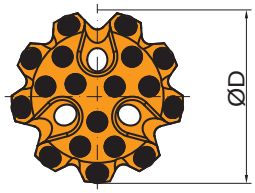
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
64	**2 ½**	-	4x8	8x11	5x10	**B51064T3805R**
64	**2 ½**	-	4x8	8x11	5x10	**B51064T3805S**
70	**2 ¾**	-	4x8	8x12	5x11	**B51070T3805R**
70	**2 ¾**	-	4x8	8x12	5x11	**B51070T3805S**
76	**3**	-	4x8	8x13	5x12	**B51076T3805R**
76	**3**	-	4x8	8x13	5x12	**B51076T3805S**
89	**3 ½**	-	4x9	8x14	5x13	**B51089T3805R**
89	**3 ½**	-	4x9	8x14	5x13	**B51089T3805S**
102	**4**	-	4x9	8x14	7x13	**B51102T3805R**
102	**4**	-	4x9	8x14	7x13	**B51102T3805S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE



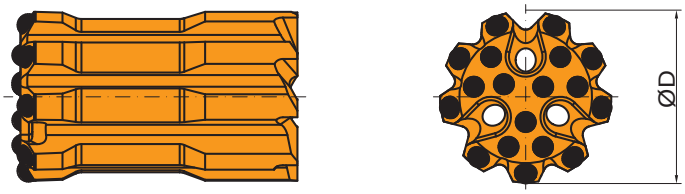


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	**3**	-	3x9	9x11	8x10	**B52076T3805R**
76	**3**	-	3x9	9x11	8x10	**B52076T3805S**
89	**3 ½**	-	3x10	9x13	9x11	**B52089T3805R**
89	**3 ½**	-	3x10	9x13	9x11	**B52089T3805S**
102	**4**	-	3x10	9x14	9x12	**B52102T3805R**
102	**4**	-	3x10	9x14	9x12	**B52102T3805S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE – RETRAC

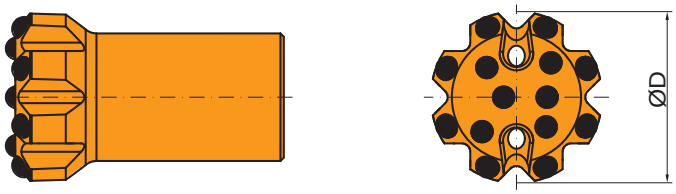


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	3	-	3x9	9x11	8x10	B53076T3805R
76	3	-	3x9	9x11	8x10	B53076T3805S
89	3 ½	-	3x10	9x13	9x11	B53089T3805R
89	3 ½	-	3x10	9x13	9x11	B53089T3805S
102	4	-	3x10	9x14	9x12	B53102T3805R
102	4	-	3x10	9x14	9x12	B53102T3805S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

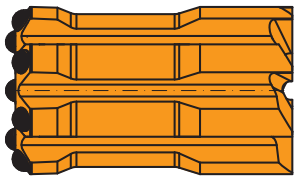
Button bit – FLAT FACE

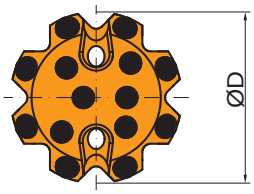


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
64	2 ½	-	2x8	8x11	4x10	B52064T3815R
70	2 ¾	-	2x9	8x12	4x11	B52070T3815R
76	3	-	2x10	8x13	4x12	B52076T3815R
89	3 ½	-	2x11	8x14	6x13	B52089T3815R
102	4	-	2x11	8x15	6x14	B52102T3815R

R – spherical (Gauge angle (35°))

Button bit – FLAT FACE – RETRAC

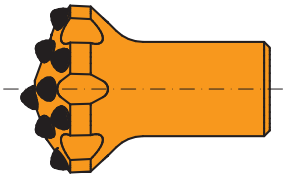


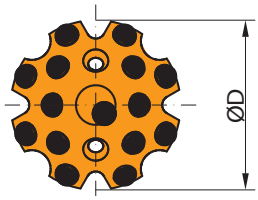


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
64	**2 ½**	-	2x8	8x11	4x10	**B53064T3815R**
70	**2 ¾**	-	2x9	8x12	4x11	**B53070T3815R**
76	**3**	-	2x10	8x13	4x12	**B53076T3815R**
89	**3 ½**	-	2x11	8x14	6x13	**B53089T3815R**
102	**4**	-	2x11	8x15	6x14	**B53102T3815R**

R – spherical (Gauge angle (35°))

Button bit

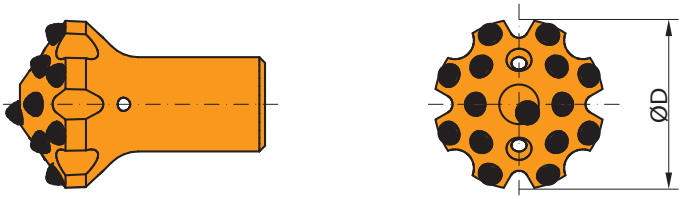




Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
70	**2 ¾**	-	2x8	8x11	5x10	**B54070T3805R**
76	**3**	-	2x9	8x12	6x11	**B54076T3805R**
89	**3 ½**	-	2x9	8x13	6x13	**B54089T3805R**
102	**4**	-	2x10	8x13	7x13	**B54102T3805R**

R – spherical (Front angle (20°), Gauge angle (40°))

Reaming button bit



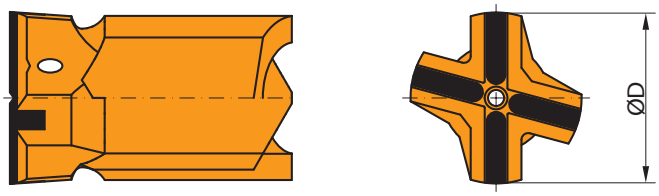
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
115	4 ½	1x7	3x7	9x13	5x13, 3x12	B54115T3815R
127	5	1x7,5	3x7,5	9x14	5x14, 4x13	B54127T3815R

R – spherical (Gauge angle (35°))

Cross X-type bit

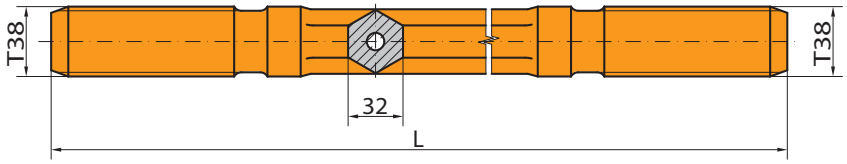
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
64	2 ½	2x7	1x8	-	-	B48064T380B2
76	3	2x8	1x10	-	-	B48076T380B2
89	3 ½	2x9	1x10	-	-	B48089T380B2

Cross X-type bit – RETRAC



Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	3	2x7	1x8	-	-	B49076T380B2
89	3 ½	2x8	1x10	-	-	B49089T380B2
102	4	2x9	1x10	-	-	B49102T380B2

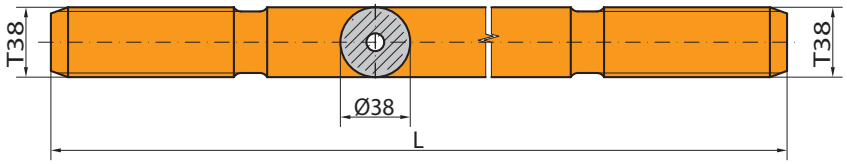
Hex rods



Hex		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
32	1 ¼	T38/T38	915	3	-	**2122209**
32	1 ¼	T38/T38	1220	4	-	**21222122**
32	1 ¼	T38/T38	1525	5	-	**21222152**
32	1 ¼	T38/T38	1830	6	-	**21222183**
32	1 ¼	T38/T38	2165	7	-	**21222216**
32	1 ¼	T38/T38	2435	8	-	**21222243**
32	1 ¼	T38/T38	3050	10	-	**2122230**
32	1 ¼	T38/T38	3660	12	-	**2122236**
32	1 ¼	T38/T38	4265	14	-	**21222427**
32	1 ¼	T38/T38	4915	16	-	**21222491**

Flushing hole ϕ 16 mm

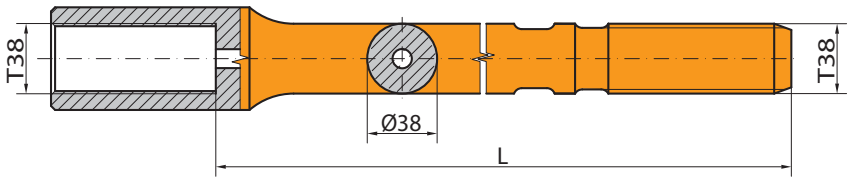
Extension rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
38	1 ½	T38/T38	915	3	-	**2322209**
38	1 ½	T38/T38	1220	4	-	**2322212**
38	1 ½	T38/T38	1525	5	-	**23222152**
38	1 ½	T38/T38	1830	6	-	**2322218**
38	1 ½	T38/T38	2165	7	-	**23222216**
38	1 ½	T38/T38	2435	8	-	**23222243**
38	1 ½	T38/T38	3050	10	-	**2322230**
38	1 ½	T38/T38	3660	12	-	**2322236**
38	1 ½	T38/T38	4265	14	-	**23222427**
38	1 ½	T38/T38	4915	16	-	**23222491**
38	1 ½	T38/T38	5490	18	-	**23222549**

Flushing hole ϕ 10,3 mm

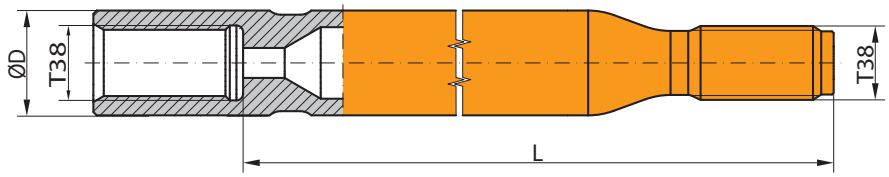
Speed rods / M-F rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
38	1 ½	T38/T38	915	3	-	**2622309**
38	1 ½	T38/T38	1220	4	-	**2622312**
38	1 ½	T38/T38	1525	5	-	**26223152**
38	1 ½	T38/T38	1830	6	-	**2622318**
38	1 ½	T38/T38	2165	7	-	**26223216**
38	1 ½	T38/T38	2435	8	-	**26223243**
38	1 ½	T38/T38	3050	10	-	**2622330**
38	1 ½	T38/T38	3660	12	-	**2622336**
38	1 ½	T38/T38	4265	14	-	**2622342**
38	1 ½	T38/T38	4915	16	-	**26223491**
38	1 ½	T38/T38	5490	18	-	**26223549**

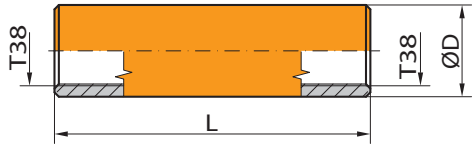
Flushing hole ϕ 10,3 mm, Female end ϕ 55 mm

Guide tube rods



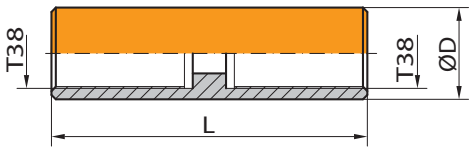
Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
56	2 ¼	T38/T38	1525	5	-	**1256T38T38152**
56	2 ¼	T38/T38	1830	6	-	**1256T38T38183**
56	2 ¼	T38/T38	3050	10	-	**1256T38T38305**
56	2 ¼	T38/T38	3660	12	-	**1256T38T38366**
64	2 ½	T38/T38	3660	12	-	**1264T38T38366**

Coupling sleeve



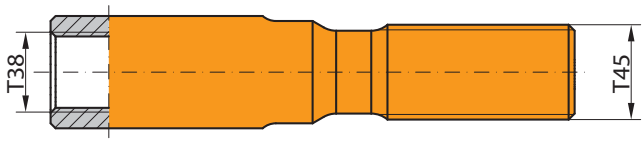
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 ¼	T38/R32	175	7	**3947201**
55	2 ¼	T38/T38	190	7 ½	**3922200**

Full bridge



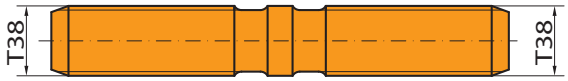
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
55	2 ¼	T38/T38	210	8 ¼	**3922201**

M-F adapters

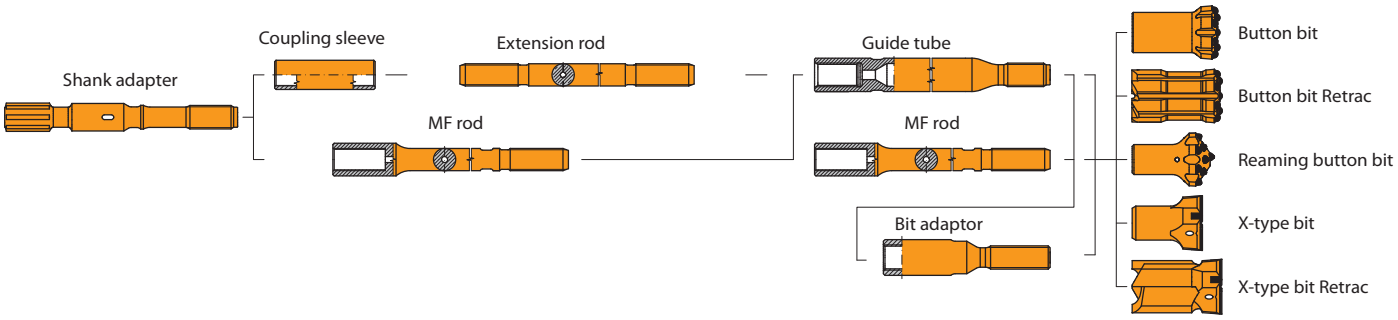


Threads	Length		Catalogue no.
female/male	mm	inch	
T38/R32	240	9 ½	39472061
T38/T45	275	10 ¾	3922306

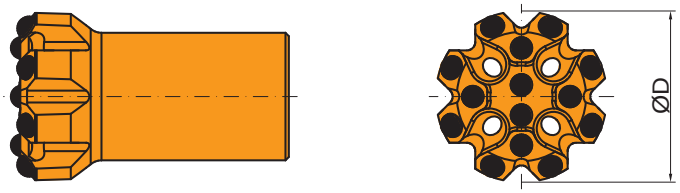
M-M adapters



Threads	Length		Catalogue no.
male/male	mm	inch	
T38/T38	220	8 ¾	3838T38T3800



Button bit – DROP CENTER

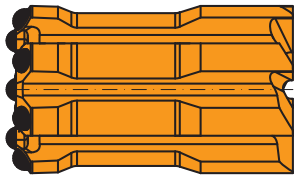


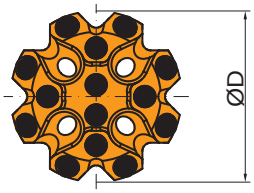
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
70	**2 ¾**	-	4x8	8x12	5x11	**B50070T4505R**
70	**2 ¾**	-	4x8	8x12	5x11	**B50070T4505S**
76	**3**	-	4x8	8x13	5x12	**B50076T4505R**
76	**3**	-	4x8	8x13	5x12	**B50076T4505S**
89	**3 ½**	-	4x9	8x14	5x13	**B50089T4505R**
89	**3 ½**	-	4x9	8x14	5x13	**B50089T4505S**
102	**4**	-	4x9	8x14	6x14	**B50102T4505R**
102	**4**	-	4x9	8x14	6x14	**B50102T4505S**
115	**4 ½**	-	4x9	8x15	8x14	**B50115T4505R**
115	**4 ½**	-	4x9	8x15	8x14	**B50115T4505S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – DROP CENTER – RETRAC



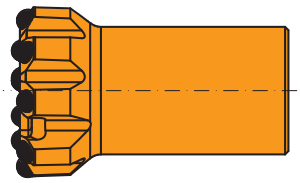


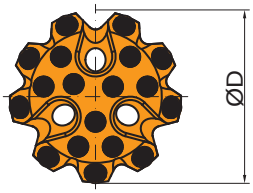
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
70	2 ¾	-	4x8	8x12	5x11	B51070T4505R
70	2 ¾	-	4x8	8x12	5x11	B51070T4505S
76	3	-	4x8	8x13	5x12	B51076T4505R
76	3	-	4x8	8x13	5x12	B51076T4505S
89	3 ½	-	4x9	8x14	5x13	B51089T4505R
89	3 ½	-	4x9	8x14	5x13	B51089T4505S
102	4	-	4x9	8x14	6x14	B51102T4505R
102	4	-	4x9	8x14	6x14	B51102T4505S
115	4 ½	-	4x9	8x15	8x14	B51115T4505R
115	4 ½	-	4x9	8x15	8x14	B51115T4505S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE



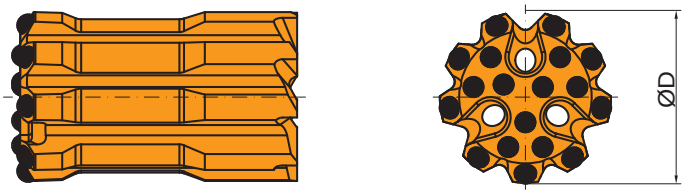


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	3	-	3x9	9x11	8x10	B52076T4505R
76	3	-	3x9	9x11	8x10	B52076T4505S
89	3 ½	-	3x10	9x13	9x11	B52089T4505R
89	3 ½	-	3x10	9x13	9x11	B52089T4505S
102	4	-	3x10	9x14	9x12	B52102T4505R
102	4	-	3x10	9x14	9x12	B52102T4505S
115	4 ½	-	3x10	9x14	10x12	B52115T4505R
115	4 ½	-	3x10	9x14	10x12	B52115T4505S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE – RETRAC

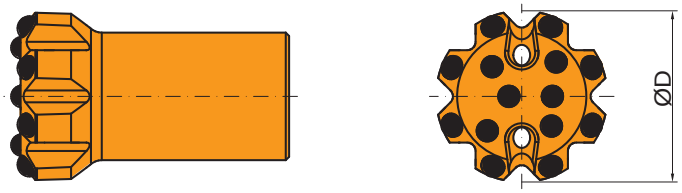


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	**3**	-	3x9	9x11	8x10	**B53076T4505R**
76	**3**	-	3x9	9x11	8x10	**B53076T4505S**
89	**3 ½**	-	3x10	9x13	9x11	**B53089T4505R**
89	**3 ½**	-	3x10	9x13	9x11	**B53089T4505S**
102	**4**	-	3x10	9x14	9x12	**B53102T4505R**
102	**4**	-	3x10	9x14	9x12	**B53102T4505S**
115	**4 ½**	-	3x10	9x14	10x12	**B53115T4505R**
115	**4 ½**	-	3x10	9x14	10x12	**B53115T4505S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

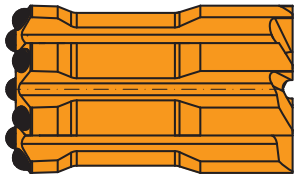
Button bit – FLAT FACE

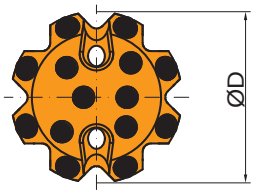


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
70	**2 ¾**	-	2x9	8x12	4x11	**B52070T4515R**
76	**3**	-	2x9	8x13	4x12	**B52076T4515R**
89	**3 ½**	-	2x10	8x14	6x13	**B52089T4515R**
102	**4**	-	2x11	8x14	7x13	**B52102T4515R**
115	**4 ½**	-	2x12	8x15	7x14	**B52115T4515R**

R – spherical (Gauge angle (35°))

Button bit – FLAT FACE – RETRAC

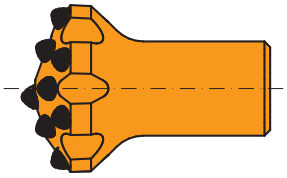


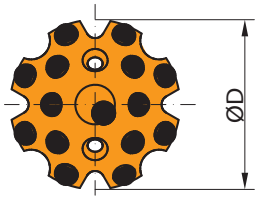


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
70	**2 ¾**	-	2x9	8x12	4x11	**B53070T4515R**
76	**3**	-	2x9	8x13	4x12	**B53076T4515R**
89	**3 ½**	-	2x10	8x14	6x13	**B53089T4515R**
102	**4**	-	2x11	8x14	7x13	**B53102T4515R**
115	**4 ½**	-	2x12	8x15	7x14	**B53115T4515R**

R – spherical (Gauge angle (35°))

Button bit

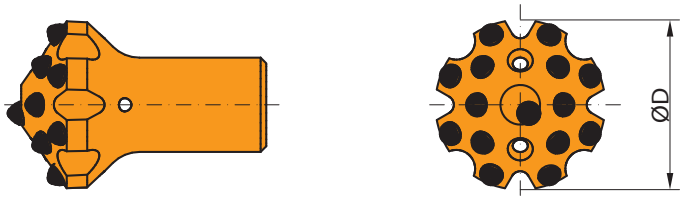




Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	**3**	-	2x10	8x12	6x11	**B54076T4505R**
89	**3 ½**	-	2x10	8x13	6x13	**B54089T4505R**
102	**4**	-	2x11	8x13	7x13	**B54102T4505R**
115	**4 ½**	-	2x12	8x14	8x13	**B54115T4505R**

R – spherical (Front angle (20°), Gauge angle (40°))

Reaming button bit



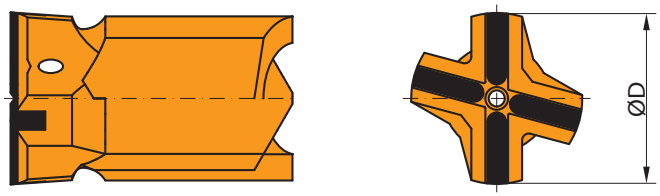
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
115	4 ½	1x8	3x8	9x13	5x13, 3x12	B54115T4515R
127	5	1x9	3x9	9x14	5x14, 4x13	B54127T4515R
152	6	1x10	3x10	9x15	11x15	B54152T4515R

R – spherical (Gauge angle (35°))

Cross X-type bit

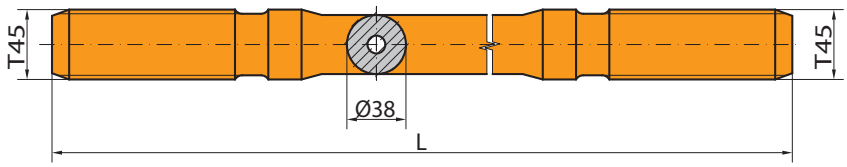
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	3	2x9	1x10	-	-	B48076T450B2
89	3 ½	2x10	1x10	-	-	B48089T450B2
102	4	2x10	1x11	-	-	B48102T450B2

Cross X-type bit – RETRAC



Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
76	3	2x9	1x10	-	-	B49076T450B2
89	3 ½	2x10	1x10	-	-	B49089T450B2
102	4	2x10	1x11	-	-	B49102T450B2

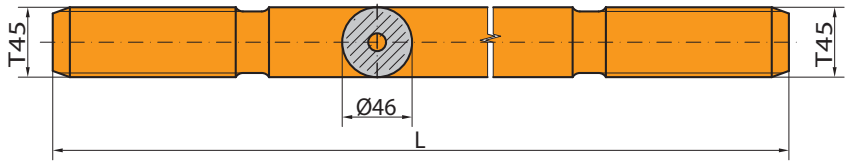
Extension rods diameter 38mm



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
38	1 ½	T45/T45	915	3	-	**2332309**
38	1 ½	T45/T45	1220	4	-	**23323122**
38	1 ½	T45/T45	1525	5	-	**23323152**
38	1 ½	T45/T45	1830	6	-	**23323183**
38	1 ½	T45/T45	2165	7	-	**23323216**
38	1 ½	T45/T45	2435	8	-	**23323243**
38	1 ½	T45/T45	3050	10	-	**2332330**
38	1 ½	T45/T45	3660	12	-	**2332336**
38	1 ½	T45/T45	4265	14	-	**23323427**
38	1 ½	T45/T45	4915	16	-	**23323491**

Flushing hole ϕ 10,3 mm

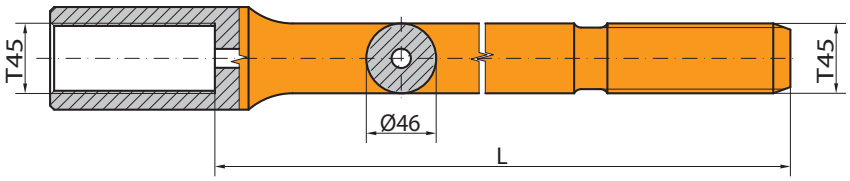
Extension rods diameter 46mm



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
46	1 ¾	T45/T45	915	3	-	**1832309**
46	1 ¾	T45/T45	1220	4	-	**18323122**
46	1 ¾	T45/T45	1525	5	-	**18323152**
46	1 ¾	T45/T45	1830	6	-	**1832318**
46	1 ¾	T45/T45	2165	7	-	**18323216**
46	1 ¾	T45/T45	2435	8	-	**18323243**
46	1 ¾	T45/T45	3050	10	-	**18323305**
46	1 ¾	T45/T45	3660	12	-	**1832336**
46	1 ¾	T45/T45	4265	14	-	**18323427**
46	1 ¾	T45/T45	4915	16	-	**18323491**
46	1 ¾	T45/T45	6100	20	-	**18323610**
46	1 ¾	T45/T45	7200	24	-	**18323720**

Flushing hole ϕ 17 mm

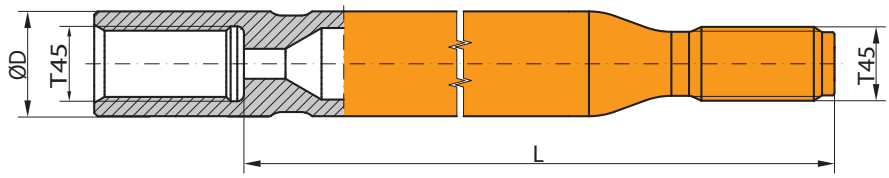
Speed rods / M-F rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
46	**1 ¾**	T45/T45	1525	5	-	**26626152**
46	**1 ¾**	T45/T45	1830	6	-	**26626181**
46	**1 ¾**	T45/T45	2165	7	-	**26626216**
46	**1 ¾**	T45/T45	2435	8	-	**26626243**
46	**1 ¾**	T45/T45	3050	10	-	**2662630**
46	**1 ¾**	T45/T45	3660	12	-	**2662636**
46	**1 ¾**	T45/T45	4265	14	-	**2662642**
46	**1 ¾**	T45/T45	4915	16	-	**26626491**
46	**1 ¾**	T45/T45	6100	20	-	**26626610**
46	**1 ¾**	T45/T45	7200	24	-	**26626720**

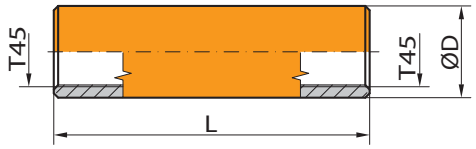
Flushing hole ϕ 17 mm, Female end ϕ 65 mm

Guide tube rods



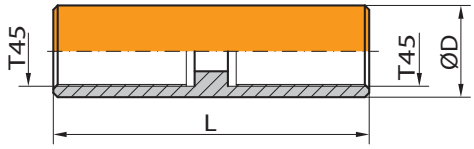
Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
64	**2 ½**	T45/T45	1830	6	-	**1263T45T45183**
64	**2 ½**	T45/T45	3660	12	-	**1263T45T45366**
64	**2 ½**	T45/T45	4265	14	-	**1263T45T45426**
76	**3**	T45/T45	3660	12	-	**1276T45T45366**
76	**3**	T45/T45	4265	14	-	**1276T45T45426**

Coupling sleeve



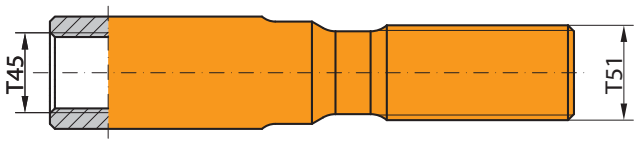
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
62	**2 ½**	T45/T38	215	8 ½	**3922301**
62	**2 ½**	T45/T45	207	8	**3932300**

Full bridge



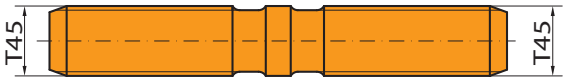
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
62	**2 ½**	T45/T45	220	8 ¾	**3932301**

M-F adapters

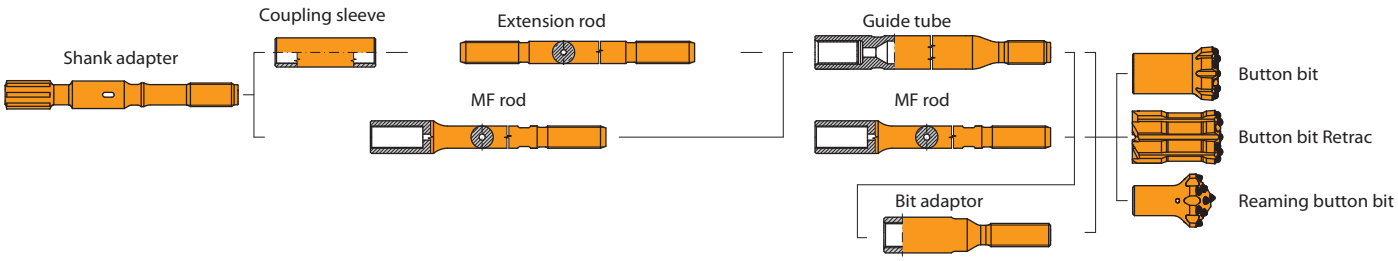


Threads	Length		Catalogue no.
female/male	mm	inch	
T45/T38	265	10 ⅜	3932206
T45/T51	275	10 ⅞	39523065

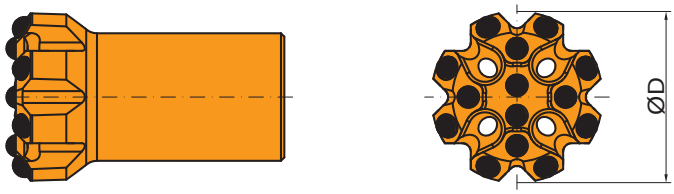
M-M adapters



Threads	Length		Catalogue no.
male/male	mm	inch	
T45/T45	220	8 ¾	3845T45T4500



Button bit – DROP CENTER

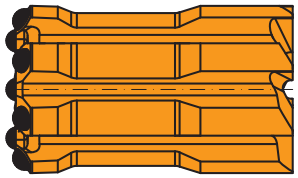


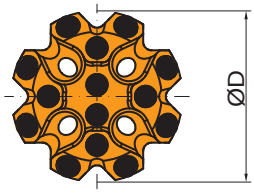
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	3 ½	-	4x9	8x14	5x13	B50089T5105R
89	3 ½	-	4x9	8x14	5x13	B50089T5105S
102	4	-	4x10	8x14	6x14	B50102T5105R
102	4	-	4x10	8x14	6x14	B50102T5105S
115	4 ½	-	4x11	8x15	8x14	B50115T5105R
115	4 ½	-	4x11	8x15	8x14	B50115T5105S
127	5	-	4x11	8x16	4x16, 4x14	B50127T5105R
127	5	-	4x11	8x16	4x16, 4x14	B50127T5105S
152	6	-	4x12	8x17	4x16, 4x15	B50152T5105R
152	6	-	4x12	8x17	4x16, 4x15	B50152T5105S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – DROP CENTER – RETRAC



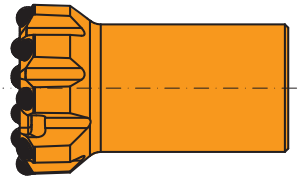


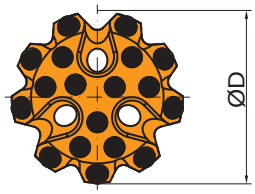
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	**3 ½**	-	4x9	8x14	5x13	**B51089T5105R**
89	**3 ½**	-	4x9	8x14	5x13	**B51089T5105S**
102	**4**	-	4x10	8x14	6x14	**B51102T5105R**
102	**4**	-	4x10	8x14	6x14	**B51102T5105S**
115	**4 ½**	-	4x11	8x15	8x14	**B51115T5105R**
115	**4 ½**	-	4x11	8x15	8x14	**B51115T5105S**
127	**5**	-	4x11	8x16	4x16, 4x14	**B51127T5105R**
127	**5**	-	4x11	8x16	4x16, 4x14	**B51127T5105S**
152	**6**	-	4x12	8x17	4x16, 4x15	**B51152T5105R**
152	**6**	-	4x12	8x17	4x16, 4x15	**B51152T5105S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE



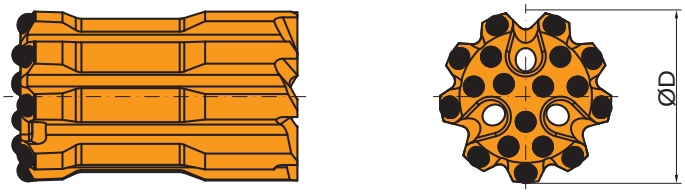


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	**3 ½**	-	3x11	9x13	9x11	**B52089T5105R**
89	**3 ½**	-	3x11	9x13	9x11	**B52089T5105S**
102	**4**	-	3x12	9x14	9x12	**B52102T5105R**
102	**4**	-	3x12	9x14	9x12	**B52102T5105S**
115	**4 ½**	-	3x12	9x14	10x12	**B52115T5105R**
115	**4 ½**	-	3x12	9x14	10x12	**B52115T5105S**
127	**5**	-	3x13	9x15	10x14	**B52127T5105R**
127	**5**	-	3x13	9x15	10x14	**B52127T5105S**
152	**6**	-	3x14	9x16	10x15	**B52152T5105R**
152	**6**	-	3x14	9x16	10x15	**B52152T5105S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE – RETRAC

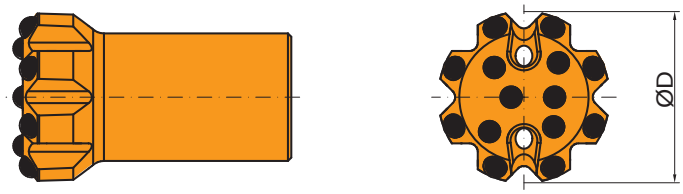


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	3 ½	-	3x11	9x13	9x11	B53089T5105R
89	3 ½	-	3x11	9x13	9x11	B53089T5105S
102	4	-	3x12	9x14	9x12	B53102T5105R
102	4	-	3x12	9x14	9x12	B53102T5105S
115	4 ½	-	3x12	9x14	10x12	B53115T5105R
115	4 ½	-	3x12	9x14	10x12	B53115T5105S
127	5	-	3x13	9x15	10x14	B53127T5105R
127	5	-	3x13	9x15	10x14	B53127T5105S
152	6	-	3x14	9x16	10x15	B53152T5105R
152	6	-	3x14	9x16	10x15	B53152T5105S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

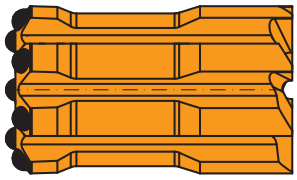
Button bit – FLAT FACE

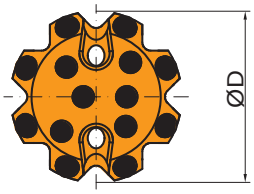


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	3 ½	-	2x11	8x14	6x13	B52089T5115R
102	4	-	2x12	8x14	7x13	B52102T5115R
115	4 ½	-	2x13	8x15	7x14	B52115T5115R
127	5	-	2x14	8x16	4x16, 4x14	B52127T5115R

R – spherical (Gauge angle (35°))

Button bit – FLAT FACE – RETRAC

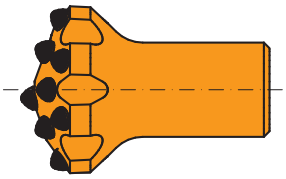


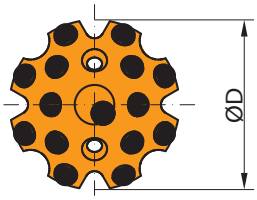


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	**3 ½**	-	2x11	8x14	6x13	**B53089T5115R**
102	**4**	-	2x12	8x14	7x13	**B53102T5115R**
115	**4 ½**	-	2x13	8x15	7x14	**B53115T5115R**
127	**5**	-	2x14	8x16	4x16, 4x14	**B53127T5115R**

R – spherical (Gauge angle (35°))

Button bit

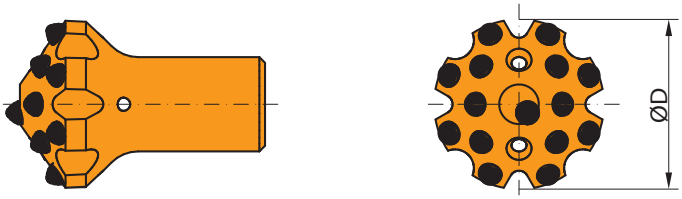




Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
89	**3 ½**	-	2x11	8x13	6x13	**B54089T5105R**
102	**4**	-	2x12	8x13	7x13	**B54102T5105R**
115	**4 ½**	-	2x13	8x14	8x13	**B54115T5105R**
127	**5**	-	2x14	8x15	4x15, 4x13	**B54127T5105R**

R – spherical (Front angle (20°), Gauge angle (40°))

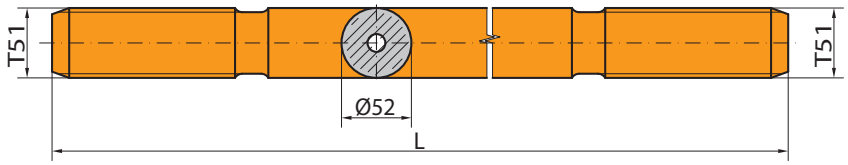
Reaming button bit



Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
115	**4 ½**	1x9	3x9	9x13	5x13, 3x12	**B54115T5115R**
127	**5**	1x10	3x10	9x14	5x14, 4x13	**B54127T5115R**
152	**6**	1x11	3x11	9x15	11x15	**B54152T5115R**

R – spherical (Gauge angle (35°))

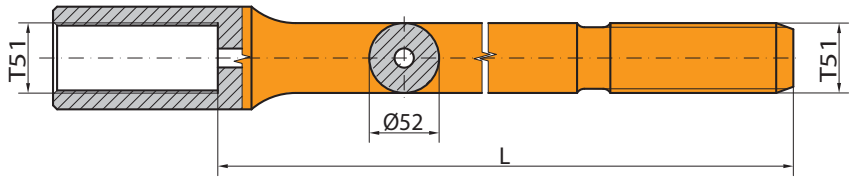
Extension rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
52	2	T51/T51	915	3	-	**2805009**
52	2	T51/T51	1220	4	-	**28050122**
52	2	T51/T51	1525	5	-	**28050152**
52	2	T51/T51	1830	6	-	**28050183**
52	2	T51/T51	2165	7	-	**28050216**
52	2	T51/T51	2435	8	-	**28050243**
52	2	T51/T51	3050	10	-	**2805030**
52	2	T51/T51	3660	12	-	**2805036**
52	2	T51/T51	4265	14	-	**28050427**
52	2	T51/T51	4915	16	-	**28050491**
52	2	T51/T51	6100	20	-	**28050610**
52	2	T51/T51	7200	24	-	**28050720**

Flushing hole ϕ 21,5 mm

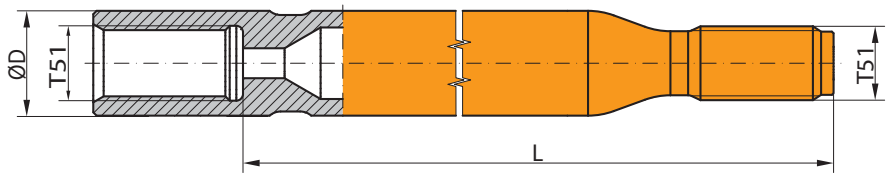
Speed rods / M-F rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
52	2	T51/T51	1525	5	-	**26929152**
52	2	T51/T51	1830	6	-	**26929183**
52	2	T51/T51	2165	7	-	**26929216**
52	2	T51/T51	2435	8	-	**26929243**
52	2	T51/T51	3050	10	-	**26929305**
52	2	T51/T51	3660	12	-	**26929366**
52	2	T51/T51	4265	14	-	**26929427**
52	2	T51/T51	4915	16	-	**26929491**
52	2	T51/T51	6100	20	-	**26929610**
52	2	T51/T51	7200	24	-	**26929720**

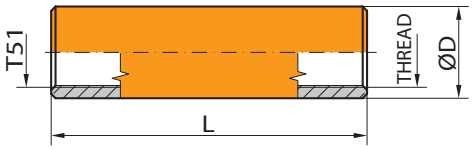
Flushing hole ϕ 21,5 mm, Female end ϕ 72 mm

Guide tube rods



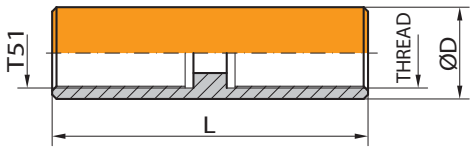
Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
76	**3**	T51/T51	1830	6	-	**1276T51T51183**
76	**3**	T51/T51	3660	12	-	**1276T51T51366**
76	**3**	T51/T51	4265	14	-	**1276T51T51426**
87	**3 ½**	T51/T51	3660	12	-	**1287T51T51366**
87	**3 ½**	T51/T51	4265	14	-	**1287T51T51426**

Coupling sleeve



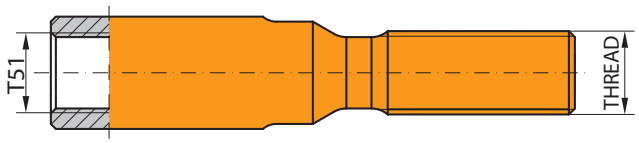
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
72	2 ¾	T51/T51	210	8 ⁷⁄₃₂	**3952532**
76	3	T51/T45	195	7 ¹¹⁄₁₆	**3952300**
76	3	T51/T51	210	8 ⁷⁄₃₂	**3952500**

Full bridge



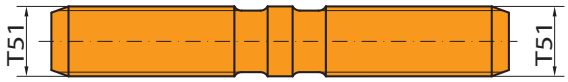
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
76	3	T51/T45	225	8 ⅞	**3952301**
76	3	T51/T51	240	9 ½	**3952501**

M-F adapters

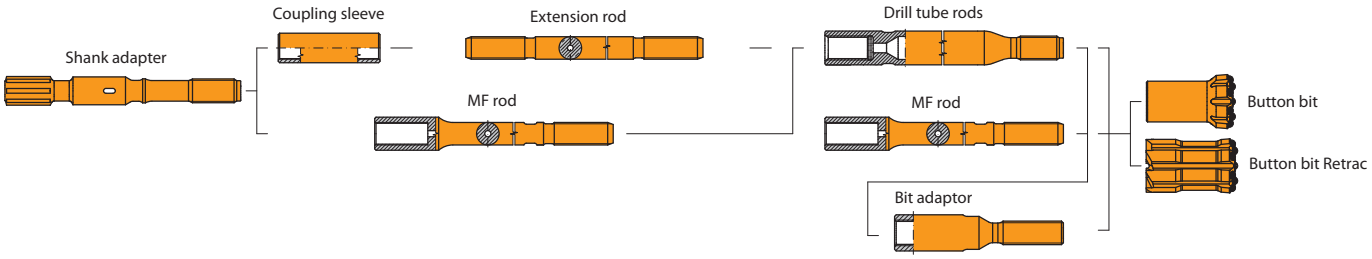


Threads	Length		Catalogue no.
female/male	mm	inch	
T51/T45	300	11 ¾	3952306
T51/GT60	300	11 ¾	3954606

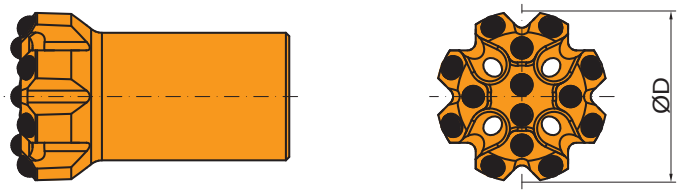
M-M adapters



Threads	Length		Catalogue no.
male/male	mm	inch	
T51/T51	250	9 ⅞	3851T51T5100



Button bit – DROP CENTER

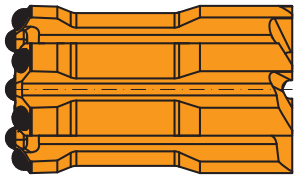


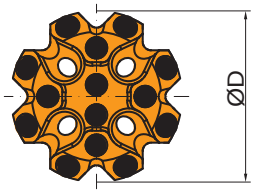
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
92	**3 ⅝**	-	4x11	8x15	6x13	**B50092G6005R**
92	**3 ⅝**	-	4x11	8x15	6x13	**B50092G6005S**
96	**3 ¾**	-	4x11	8x15	6x13	**B50096G6005R**
96	**3 ¾**	-	4x11	8x15	6x13	**B50096G6005S**
102	**4**	-	4x12	8x15	6x14	**B50102G6005R**
102	**4**	-	4x12	8x15	6x14	**B50102G6005S**
115	**4 ½**	-	4x12	8x16	8x15	**B50115G6005R**
115	**4 ½**	-	4x12	8x16	8x15	**B50115G6005S**
127	**5**	-	4x13	8x16	8x15	**B50127G6005R**
127	**5**	-	4x13	8x16	8x15	**B50127G6005S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – DROP CENTER – RETRAC



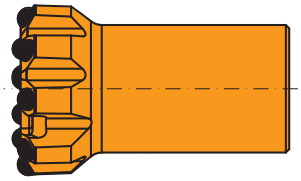


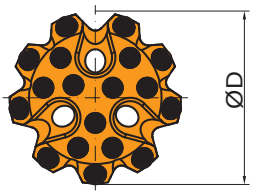
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
92	3 ⅝	-	4x11	8x15	6x13	B51092G6005R
92	3 ⅝	-	4x11	8x15	6x13	B51092G6005S
96	3 ¾	-	4x11	8x15	6x13	B51096G6005R
96	3 ¾	-	4x11	8x15	6x13	B51096G6005S
102	4	-	4x12	8x15	6x14	B51102G6005R
102	4	-	4x12	8x15	6x14	B51102G6005S
115	4 ½	-	4x12	8x16	8x15	B51115G6005R
115	4 ½	-	4x12	8x16	8x15	B51115G6005S
127	5	-	4x13	8x16	8x15	B51127G6005R
127	5	-	4x13	8x16	8x15	B51127G6005S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE



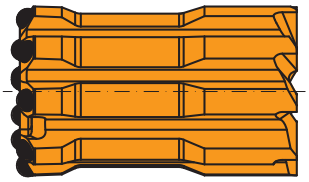


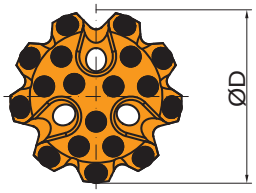
Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
102	4	-	3x14	9x14	9x12	B52102G6005R
102	4	-	3x14	9x14	9x12	B52102G6005S
115	4 ½	-	3x14	9x15	10x13	B52115G6005R
115	4 ½	-	3x14	9x15	10x13	B52115G6005S
127	5	-	3x14	9x16	10x14	B52127G6005R
127	5	-	3x14	9x16	10x14	B52127G6005S
140	5 ½	-	3x14	9x17	10x15	B52140G6005R
140	5 ½	-	3x14	9x17	10x15	B52140G6005S
152	6	-	3x14	9x17	12x15	B52152G6005R
152	6	-	3x14	9x17	12x15	B52152G6005S

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

Button bit – FLAT FACE – RETRAC



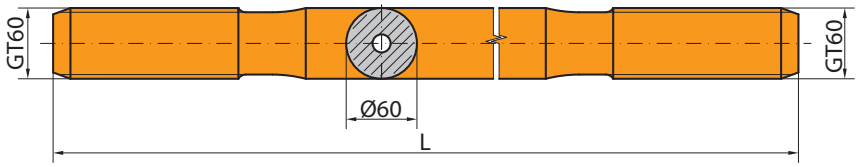


Diameter		Flushing holes		Buttons (mm)		Catalogue no.
mm	inch	Side No x Size	Front No x Size	Gauge No x Size	Front No x Size	
102	**4**	-	3x14	9x14	9x12	**B53102G6005R**
102	**4**	-	3x14	9x14	9x12	**B53102G6005S**
115	**4 ½**	-	3x14	9x15	10x13	**B53115G6005R**
115	**4 ½**	-	3x14	9x15	10x13	**B53115G6005S**
127	**5**	-	3x14	9x16	10x14	**B53127G6005R**
127	**5**	-	3x14	9x16	10x14	**B53127G6005S**
140	**5 ½**	-	3x14	9x17	10x15	**B53140G6005R**
140	**5 ½**	-	3x14	9x17	10x15	**B53140G6005S**
152	**6**	-	3x14	9x17	12x15	**B53152G6005R**
152	**6**	-	3x14	9x17	12x15	**B53152G6005S**

R – spherical (Gauge angle (35°))

S – ballistic (Gauge angle (40°))

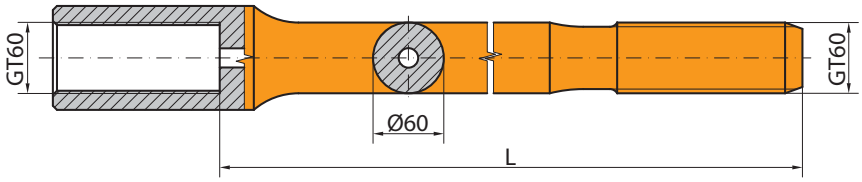
Extension rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
60	2 ⅜	GT60/GT60	1830	6	-	**10R60G60G60183**
60	2 ⅜	GT60/GT60	2165	7	-	**10R60G60G60216**
60	2 ⅜	GT60/GT60	2435	8	-	**10R60G60G60243**
60	2 ⅜	GT60/GT60	3050	10	-	**10R60G60G60305**
60	2 ⅜	GT60/GT60	3660	12	-	**10R60G60G60366**
60	2 ⅜	GT60/GT60	4265	14	-	**10R60G60G60426**
60	2 ⅜	GT60/GT60	4915	16	-	**10R60G60G60491**
60	2 ⅜	GT60/GT60	5470	18	-	**10R60G60G60547**
60	2 ⅜	GT60/GT60	6100	20	-	**10R60G60G60610**

Flushing hole ϕ 22,6 mm

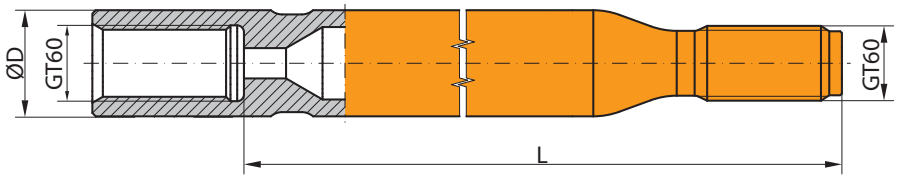
Speed rods / M-F rods



Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
60	2 ⅜	GT60/GT60	1830	6	-	**11R60G60G60183**
60	2 ⅜	GT60/GT60	2165	7	-	**11R60G60G60216**
60	2 ⅜	GT60/GT60	2435	8	-	**11R60G60G60243**
60	2 ⅜	GT60/GT60	3050	10	-	**11R60G60G60305**
60	2 ⅜	GT60/GT60	3660	12	-	**11R60G60G60366**
60	2 ⅜	GT60/GT60	4265	14	-	**11R60G60G60426**
60	2 ⅜	GT60/GT60	4915	16	-	**11R60G60G60491**
60	2 ⅜	GT60/GT60	5470	18	-	**11R60G60G60547**
60	2 ⅜	GT60/GT60	6100	20	-	**11R60G60G60610**

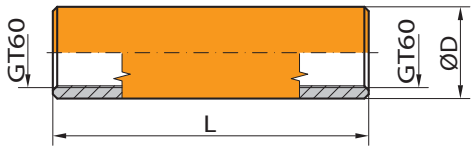
Flushing hole ϕ 22,6 mm, Female end ϕ 85 mm

Drill tube rods



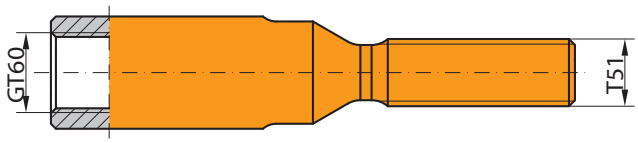
Diameter		Threads	Length			Catalogue no.
mm	inch		mm	ft	inch	
87	**3 ½**	GT60/GT60	3660	12	-	**1287G60G60366**
87	**3 ½**	GT60/GT60	4265	14	-	**1287G60G60426**

Coupling sleeve



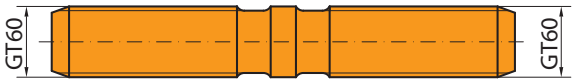
Diameter		Threads	Length		Catalogue no.
mm	inch		mm	inch	
85	**3 ⅜**	GT60/T51	285	11 ¼	**3985G60T5100**
85	**3 ⅜**	GT60/GT60	320	12 ⅝	**3985G60G6000**

M-F adapters

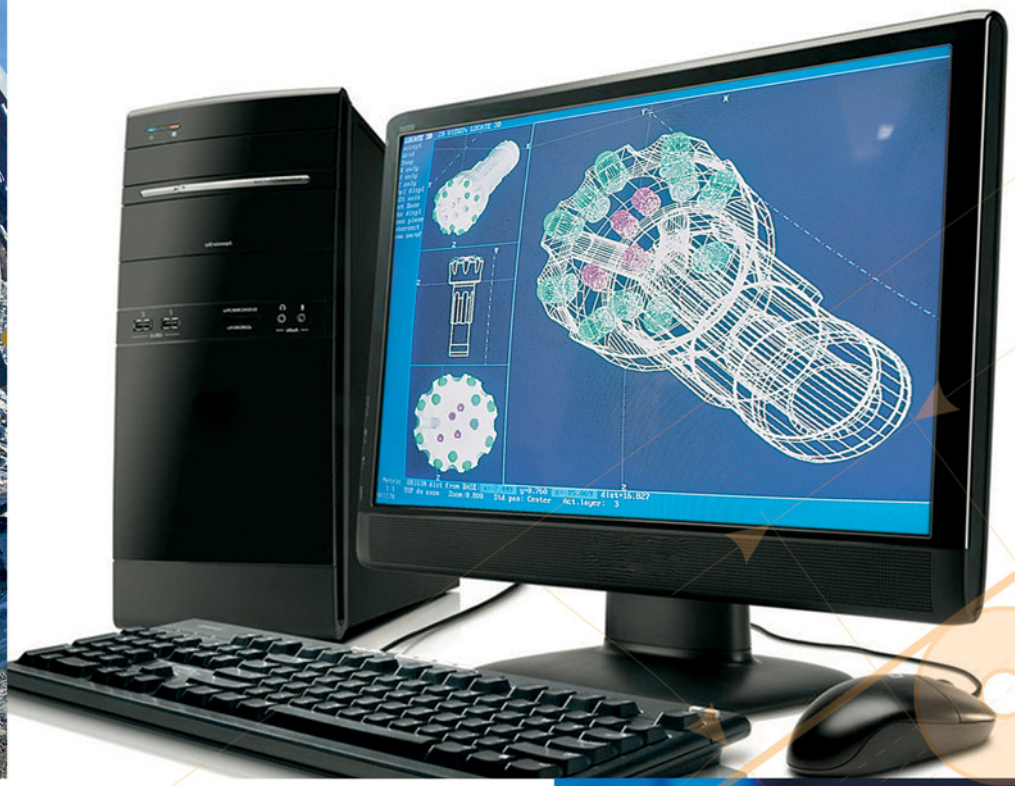


Threads	Length		Catalogue no.
female/male	mm	inch	
GT60/T51	300	11 ¾	3985G60T5103

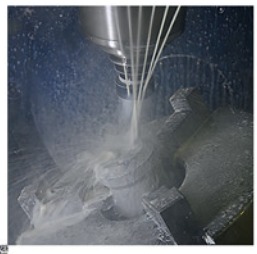
M-M adapters



Threads	Length		Catalogue no
male/male	mm	inch	
GT60/GT60	340	13 ⅜	3860G60G6000



DRILLING TOOLS



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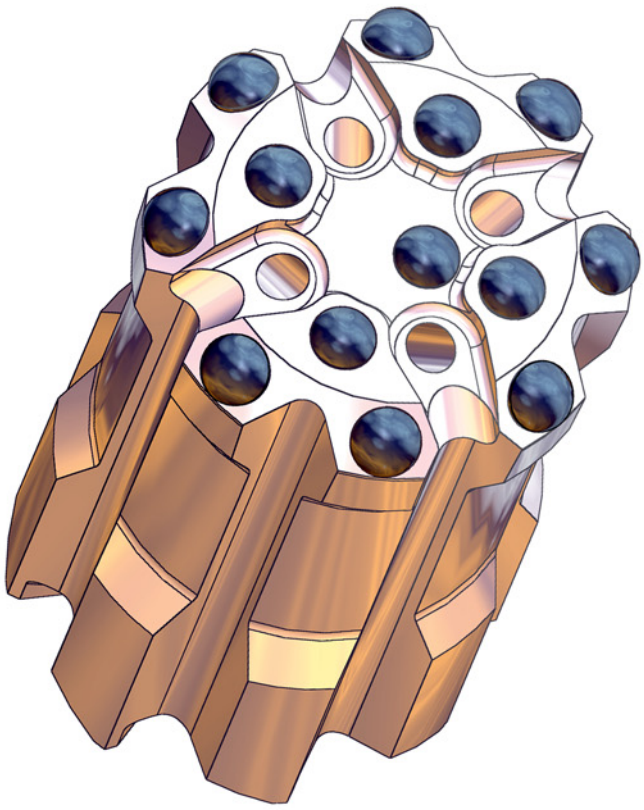

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