

Rock Drilling Equipment

2018 edition

P&V

Padley & Venables



ROCK DRILLING



DEMOLITION



CONTRACTORS'

QUALITY TOOLS
MADE IN BRITAIN
PROVEN WORLDWIDE

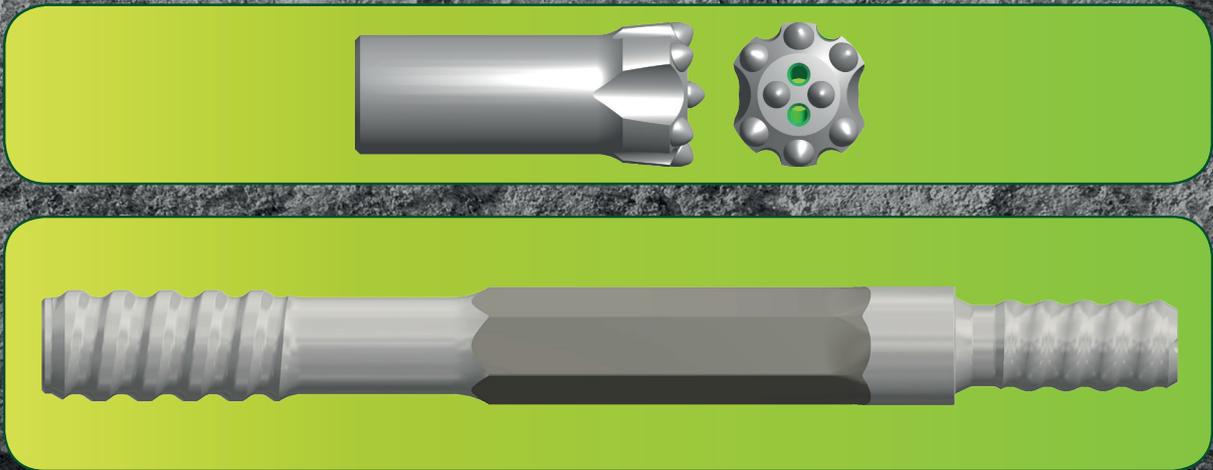


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STRENGTHEN DRILL STRING • PROLONG STEEL LIFE • DECREASE DOWNTIME • INCREASE PRODUCTIVITY

DUAL DRIVE TUNNEL RODS

THE DUAL DRIVE SYSTEM IS DESIGNED AND PATENTED BY PADLEY & VENABLES LTD.

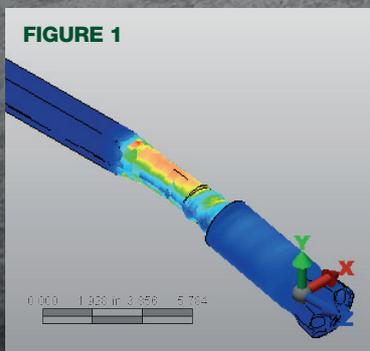


FIGURE 1
Standard Rod under extreme stress and the resulting failure region (warm colours) created in the drilling operation.

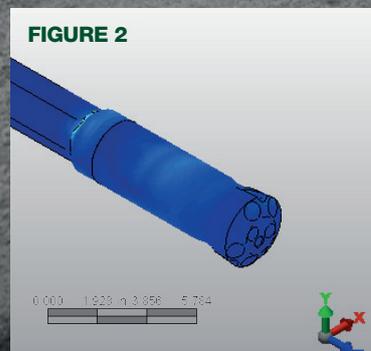
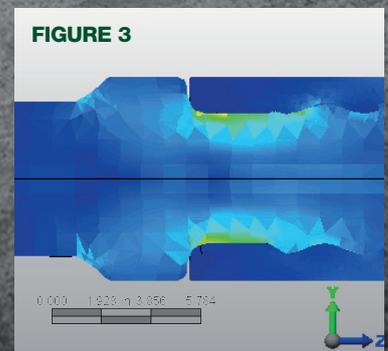


FIGURE 2 & 3
Dual Drive steel reduces stress which promotes better performance and longevity.



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TECHNICAL INFORMATION

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Choosing the right Bit

Many factors go into choosing the correct Bit for your ground conditions and drilling practices. Production demands have changed in the drilling industry over the past twenty years, most of the pneumatic hammers have been replaced by the harder hitting, faster drilling hydraulic hammers. We are constantly improving our manufacturing practices to produce Bits that offer optimum performance when used with the latest machines. Drawing on our experience in the Rock Drilling Industry we can suggest the best products in various styles and configurations for your particular rock drilling application.

The main design categories are as follows:

Cross Flush

Catalogue reference group "10" intended for use in softer rock conditions. Maximum diameter available with this design is 51mm.

Flat Face

For use in hard to very hard rock formations. Catalogue reference group "20" for standard design. Catalogue reference group "22" for Retrac version.

Retrac Body

Retrac Body is available on Flat Face, Grooved Face and Drop Centre Bit diameters of ø51mm upwards. The Retrac design helps drill straighter holes and facilitates Bit removal from the hole.

Ninja/Grooved Face

For use in general drilling applications. Catalogue reference group "30" for standard design. Catalogue reference group "32" for Retrac version.

Drop Centre

For use in medium to hard rock applications where a straight hole is paramount. Catalogue reference group "40" for standard design. Catalogue reference group "42" for Retrac version.

Choosing the right Carbide

The larger the volume of the Carbide, the more aggressive the Bit. The more aggressive Carbides assist movement of the chips away from the face as there is more room for airflow on the face of the Bit. These more aggressive Bits help to break out larger chips, which increases the penetration rate. The greater volume of Carbide can lead to longer Bit life.

Spherical



Spherical Carbides for use in medium to hard rock, with fractured or seamy applications.

Paraboloid



Semi-ballistic shaped, more aggressive than the Spherical Carbides, for soft to medium consistent rock.

Ballistic



Bullet shaped, very aggressive fast penetration in soft to medium consistent rock.

Catalogue Numbers

The main part of the P&V catalogue number is explained as follows: e.g. 4732, where 47 = Button Bit and 32 = R32 thread, followed by 2045, where 20 = Flat Face and 45 is the Bit diameter in millimetres.

The Button type is determined by a letter at the end of the catalogue reference, where S = Spherical inserts, P = Paraboloid inserts and B = Ballistic inserts, e.g. 4732- 2045S.

WARRANTY INFORMATION

WARRANTY

Padley & Venables' tools are guaranteed against defects in raw material and manufacture. No other warranty is implied or expressed.

The Company's liability in respect of any warranty claim is limited to replacement and does not extend to any other expenditure incurred or to any consequential damage. Warranty claims are subject to immediate notification of any problems and return of the goods to P&V under their Returned Goods System.

Operators' attention is drawn to the requirement to select the correct tool and machine for the specific type of application required. When the correct P&V tool is used for its appropriate application and is used in the proper manner for which it is designed and operated within a correctly maintained machine, risks to the safety and health of operators will be avoided.

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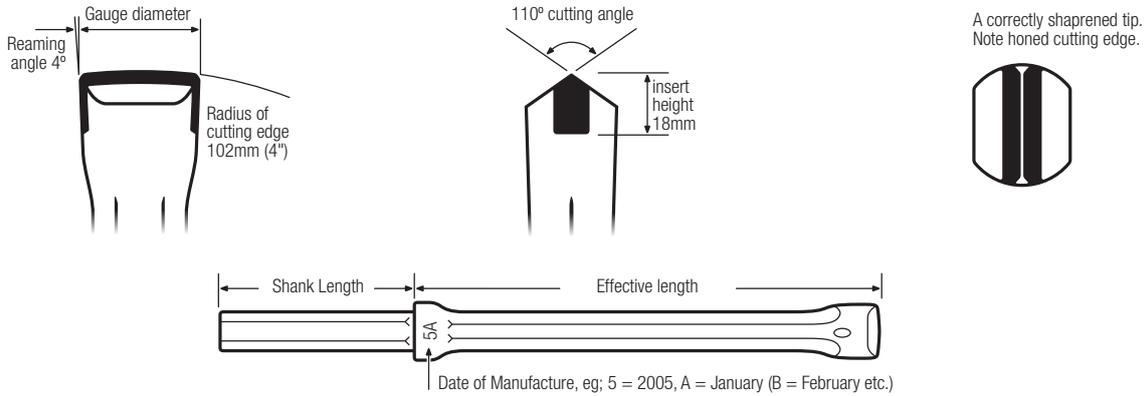
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INTEGRAL DRILL STEELS

NOMENCLATURE OF DRILL STEELS



108 x 22mm (4 1/4" x 7/8") SHANK - 22mm HEX BODY



LENGTH (L)	CAT. NUMBER
SERIES 11	
800mm (2' 7") x 34mm HEAD	5324-0834
1600mm (5' 3") x 33mm HEAD	5324-1633
2400mm (7' 10") x 32mm HEAD	5324-2432
3200mm (10' 6") x 31mm HEAD	5324-3231
4000mm (13' 1") x 30mm HEAD	5324-4030
4800mm (15' 9") x 29mm HEAD	5324-4829
5600mm (18' 4") x 28mm HEAD	5324-5628
SERIES 12	
800mm (2' 7") x 40mm HEAD	5324-0840
1600mm (5' 3") x 39mm HEAD	5324-1639
2400mm (7' 10") x 38mm HEAD	5324-2438
3200mm (10' 6") x 37mm HEAD	5324-3237
4000mm (13' 1") x 36mm HEAD	5324-4036
4800mm (15' 9") x 35mm HEAD	5324-4835
5600mm (18' 4") x 34mm HEAD	5324-5634
SERIES 13	
400mm (1' 4") x 34mm HEAD	5324-0434
800mm (2' 7") x 33mm HEAD	5324-0833
1200mm (3' 11") x 32mm HEAD	5324-1232
1600mm (5' 3") x 31mm HEAD	5324-1631
2000mm (6' 6") x 30mm HEAD	5324-2030
SERIES 16	
600mm (2' 0") x 35mm HEAD	5324-0635
1200mm (3' 11") x 34mm HEAD	5324-1234
1800mm (5' 11") x 33mm HEAD	5324-1833
2400mm (7' 10") x 32mm HEAD	5324-2432
SERIES 17	
600mm (2' 0") x 41mm HEAD	5324-0641
1200mm (3' 11") x 40mm HEAD	5324-1240
1800mm (5' 11") x 39mm HEAD	5324-1839
2400mm (7' 10") x 38mm HEAD	5324-2438

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INTEGRAL DRILL STEELS

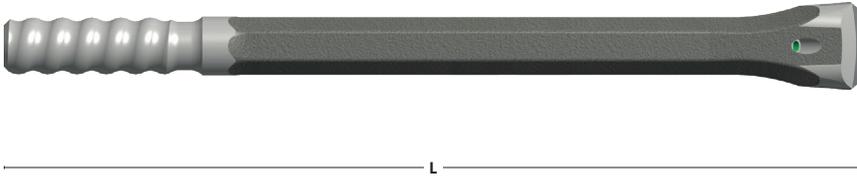
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R25 THREAD - 22mm HEX BODY (THREADED INTEGRAL DRILL STEELS)



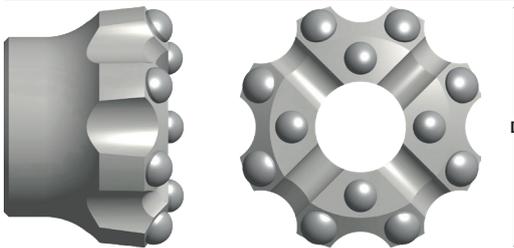
LENGTH (L)	CAT. NUMBER
1400mm x 27mm HEAD	5325-1427
1870mm x 27mm HEAD	5325-1927
2400mm x 27mm HEAD	5325-2427
2800mm x 28mm HEAD	5325-2828
3000mm x 28mm HEAD	5325-3028
1600mm x 32mm HEAD	5325-1632

PILOT RODS 108 x 22mm (4 1/4" x 7/8") SHANK - 6° TAPER



LENGTH (L)	CAT. NUMBER
800mm x 26mm HEAD	5354-0826
1200mm x 26mm HEAD	5354-1226
2000mm x 26mm HEAD	5354-2026
2400mm x 26mm HEAD	5354-2426

REAMING BITS, BUTTON - 6° TAPER



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER
64	6 x 10mm	3 x 9mm	35°	4700-1364
76	8 x 11mm	4 x 10mm	35°	4700-1376
89	8 x 12mm	4 x 10mm	35°	4700-1389

TAPER DRIVE EQUIPMENT

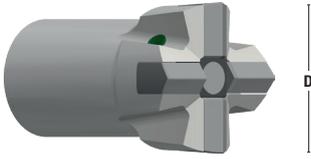
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22 X 7° TAPER EQUIPMENT - CROSS BITS



DIAMETER (D)	CAT. NUMBER
32mm (1¼")	4202-0332
35mm (1⅜")	4202-0335
38mm (1½")	4202-0338
41mm (1⅝")	4202-0341

22 X 7° TAPER EQUIPMENT - FLAT FACE BUTTON BITS



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER
32	5 x 8mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4702-2032
35	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4702-2035
38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4702-2038
41	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4702-2041
43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4702-2043
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4702-2045

7° TAPER RODS 108 x 22mm (4¼" x 7/8") SHANK - 22mm HEX BODY



LENGTH (L)	CAT. NUMBER
600mm (2')	5034-0206
915mm (3')	5034-0209
1220mm (4')	5034-0212
1830mm (6')	5034-0218
2145mm (7')	5034-0221
2435mm (8')	5034-0224
3050mm (10')	5034-0231
3660mm (12')	5034-0236
4000mm (13' 1/8")	5034-0240

Other taper angles

Padley & Venables Taper Angles are denoted by the following Codes:

- 01 = 4.8° x 22 mm
- 02 = 7° x 22 mm
- 03 = 12° x 22 mm
- 06 = 11° x 22 mm
- 08 = 7° x 25 mm

Other Taper Angle Equipment can be ordered by substituting these Codes into the above catalogue numbers.

TAPER DRIVE EQUIPMENT

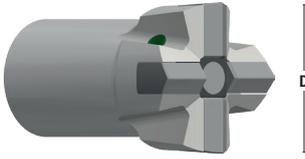
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22 X 12° TAPER EQUIPMENT - CROSS BITS



DIAMETER (D)	CAT. NUMBER
32mm (1¼")	4203-0332
35mm (1⅜")	4203-0335
38mm (1½")	4203-0338
41mm (1⅝")	4203-0341
45mm (1¾")	4203-0345
48mm (1⅞")	4203-0348
51mm (2")	4203-0351

22 X 12° TAPER EQUIPMENT - FLAT FACE BUTTON BITS



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER
32	5 x 8mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4703-2032
35	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4703-2035
43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4703-2043
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4703-2045

12° TAPER RODS 108 x 22mm (4¼" x 7/8") SHANK - 22mm HEX BODY

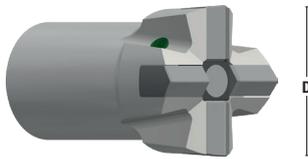


LENGTH (L)	CAT. NUMBER
600mm (2')	5034-0306
915mm (3')	5034-0309
1220mm (4')	5034-0312
1600mm (5' 3")	5034-0316
1830mm (6')	5034-0318
2145mm (7')	5034-0321
2435mm (8')	5034-0324
3050mm (10')	5034-0331
3200mm (10' 6")	5034-0332
3660mm (12')	5034-0336
4000mm (13')	5034-0340
4800mm (15' 8")	5034-0348

SMALL HOLE DRILLING

R25 & R28 (1" & 1 1/8" ROPE THREAD)

CROSS BIT



DIA (D) MM	CARBIDE WIDTH	CARBIDE HEIGHT	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER
35	8mm	11mm	1 x 5mm	4 x 5mm	N/A	4625-0835	N/A
38	8mm	11mm	1 x 5mm	4 x 5mm	N/A	4625-0838	4628-0838
41	8mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0841	4628-0841
45	9mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0845	4628-0845
48	9mm	14mm	1 x 5.5mm	4 x 5mm	N/A	N/A	4628-0848

CROSS FLUSH



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER
38	6 x 8mm	2 x 6.5mm	2 x 6mm	1 x 6mm	30	4725-1038	N/A
41	6 x 8mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1041	N/A
43	6 x 8mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1043	N/A
45	6 x 9mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1045	N/A
48	6 x 9mm	2 x 9mm	2 x 6mm	1 x 6mm	30	4725-1048	N/A
51	6 x 10mm	2 x 9mm	2 x 6mm	1 x 6mm	40	4725-1051	N/A

FLAT FACE BIT



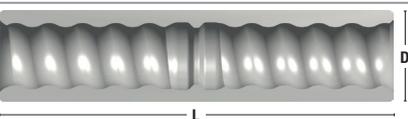
DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER
33	5 x 8mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2033	N/A
35	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2035	N/A
38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2038	4728-2038
41	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4725-2041	4728-2041
43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4725-2043	4728-2043
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4725-2045	4728-2045
48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4725-2048	N/A
51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30	4725-2051	N/A

GROOVED FACE BIT



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER
43	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30	4725-3043	N/A
45	6 x 9mm	3 x 8mm	3 x 5mm	0	30	4725-3045	N/A
48	6 x 10mm	3 x 8mm	3 x 5mm	0	35	4725-3048	N/A
51	6 x 10mm	3 x 9mm	3 x 6mm	0	30	4725-3051	N/A

COUPLINGS



DIA (D) MM	LENGTH (L) MM	DESCRIPTION	CAT. NUMBER
35mm (1 3/8")	150mm (5 7/8")	R25 S/B COUPLING	5525-0001

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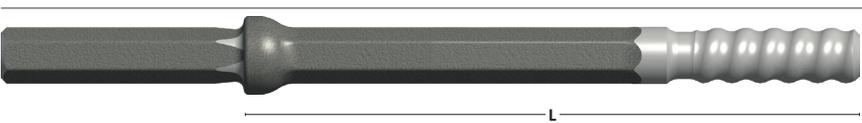
SMALL HOLE DRILLING

R25 (1" ROPE THREAD)

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SHANKED RODS 108 X 22mm (4¼" x 7/8") SHANK - 22mm HEX BODY



EFFECTIVE LENGTH (L)	CAT. NUMBER
610mm (2') B/C	5425-2203-06
915mm (3') B/C	5425-2203-09
1220mm (4') B/C	5425-2203-12
1525mm (5') B/C	5425-2203-15
1830mm (6') B/C	5425-2203-18
2440mm (8') B/C	5425-2203-24
3050mm (10') B/C	5425-2203-31
3660mm (12') B/C	5425-2203-37
4000mm (13') B/C	5425-2203-40

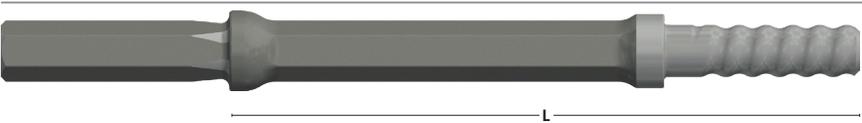
SHANKED RODS 108 X 25mm (4¼" x 1") SHANK - 25mm HEX BODY



EFFECTIVE LENGTH (L)	CAT. NUMBER
610mm (2') B/C	5425-2503-06
800mm (2' 7") B/C	5425-2503-08
1220mm (4') B/C	5425-2503-12
1830mm (6') B/C	5425-2503-18
2440mm (8') B/C	5425-2503-24
3050mm (10') B/C	5425-2503-31
3200mm (10' 5") B/C	5425-2203-32
3660mm (12') B/C	5425-2503-37
4000mm (13') B/C	5425-2503-40

DUAL DRIVE SHANKED RODS 108 X 25mm (4¼" x 1") SHANK - 25mm HEX BODY

DUAL DRIVE SHANK RODS ARE DESIGNED AND PATENTED BY P&V

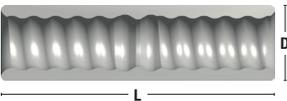


EFFECTIVE LENGTH (L)	CAT. NUMBER
2440mm (8') B/C	5425-2503-24DD
3050mm (10') B/C	5425-2503-31DD
3200mm (10' 5") B/C	5425-2203-32DD
3660mm (12') B/C	5425-2503-37DD
3720mm (12' 2") B/C	5425-2503-38DD

TUNNELLING AND DRIFTING

THREAD SIZES R32/R25, R32/R28

COUPLINGS

	DIA (D) MM	LENGTH (L) MM	DESCRIPTION	CAT. NUMBER
	45mm (1 3/4")	159mm (6 1/4")	R32 SEMI-BRIDGE	5532-0001

R32/R25 - 25mm (1") - HEX BODY

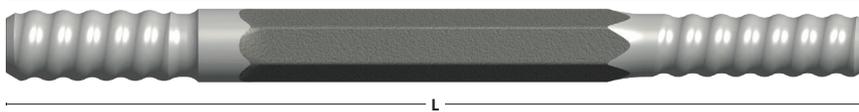
Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
2020mm (6' 7 1/2")	5732-2525-21
2480mm (8' 1 1/2")	5732-2525-25
2630mm (8' 8")	5732-2525-26
2900mm (9' 6")	5732-2525-29
3090mm (10' 1 1/2")	5732-2525-31
3700mm (12' 1 1/2")	5732-2525-37
4300mm (14' 1 1/2")	5732-2525-43
5525mm (18' 1 1/2")	5732-2525-55

R32/R28 - 28mm (1 1/8") - HEX BODY

Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
2480mm (8' 1 1/2")	5732-2828-25
2630mm (9' 11")	5732-2828-26
2785mm (9' 1 3/4")	5732-2828-28
3090mm (10' 1 1/2")	5732-2828-31
3700mm (12' 1 1/2")	5732-2828-37
4300mm (14' 1 1/2")	5732-2828-43

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TUNNELLING AND DRIFTING

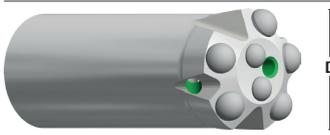
THREAD SIZES R32/R35

R32 & R35 - CROSS FLUSH



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
45	4 x 11mm	2 x 9mm	2 x 5mm	2 x 7mm	30	4732-1045	N/A
48	4 x 11mm	2 x 10mm	2 x 6mm	2 x 7mm	30	4732-1048	N/A
51	4 x 11mm	2 x 11mm	2 x 6mm	2 x 7mm	40	4732-1051	N/A

R32 & R35 - FLAT FACE



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
41	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4732-2041	N/A
43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4732-2043	N/A
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4732-2045	N/A
48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4732-2048	4735-2048
51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30	4732-2051	4735-2051



54	6 x 11mm	3 x 9mm	3 x 6mm	0	35	4732-2054	4735-2054
57	6 x 11mm	3 x 10mm	1 x 7mm	2 x 7mm	35	4732-2057	4735-2057
64	6 x 12mm	3 x 10mm	1 x 9mm	1 x 9mm	30	4732-2064	4735-2064
76	6 x 12mm	5 x 11mm	1 x 8mm	2 x 8mm	35	4732-2076	4735-2076

R32 & R35 - NINJA



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
43	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30	4732-3043	N/A
45	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30	4732-3045	N/A
48	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35	4732-3048	4735-3048
51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30	4732-3051	4735-3051
54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4732-3054	4735-3054
57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4732-3057	4735-3057
64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4732-3064	4735-3064

NOTE: Ninja only available in 48-64 diameter

R32 & R35 - FLAT FACE SPECIAL



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
43	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35	4732-2143	NA
45	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35	4732-2145	NA
48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	35	4732-2148	4735-2148
51	6 x 10mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4732-2151	4735-2151

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TUNNELLING AND DRIFTING

THREAD SIZES R32/R35

R32 & R35 - NINJA, RETRAC



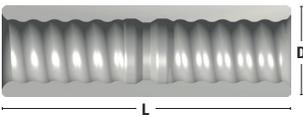
DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30	4732-3251	4735-3251
54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4732-3254	4735-3254
57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4732-3257	4735-3257
64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4732-3264	4735-3264

R32 & R35 - DROP CENTRE



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
64	8 x 10mm	5 x 9mm	4 x 8mm	0	30	4732-4064	4735-4064

COUPLINGS



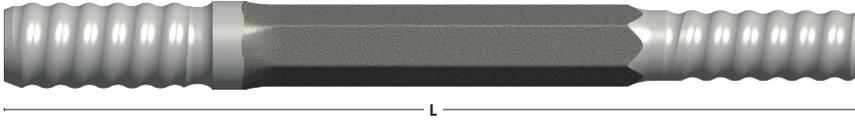
DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
55	175	R38 S/B COUPLING	5538-0001
55	190	P38 S/B COUPLING	5588-0001

TUNNELLING AND DRIFTING

THREAD SIZES R38/R32 & P38/R32

R38/R32, 32mm (1¼") - HEX BODY

Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3090mm (10' 1½")	5738-3232-31
3700mm (12' 1½")	5738-3232-37
4300mm (14' 1½")	5738-3232-43
4915mm (16' 1½")	5738-3232-49

P38/R32, 32mm(1¼") - HEX BODY

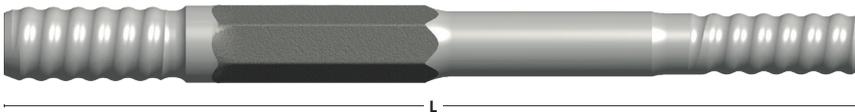
Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3090mm (10' 1½")	5788-3232-31
3700mm (12' 1½")	5788-3232-37
4300mm (14' 1½")	5788-3232-43
4915mm (16' 1½")	5788-3232-49

R38/R32, 35mm (1⅜") - HEX BODY

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3090mm (10' 1½")	5738-3532-31
3700mm (12' 1½")	5738-3532-37
4300mm (14' 1½")	5738-3532-43
4915mm (16' 1½")	5738-3532-49
5525mm (18' 1½")	5738-3532-55

P38/R32, 35mm (1⅜") - HEX BODY

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3090mm (10' 1½")	5788-3532-31
3700mm (12' 1½")	5788-3532-37
4300mm (14' 1½")	5788-3532-43
4915mm (16' 1½")	5788-3532-49
5525mm (18' 1½")	5788-3532-55
6135mm (20' 1½")	5788-3532-61
6440mm (21' 1½")	5788-3532-64

P38/R32, DUAL DRIVE 35mm (1⅜") - HEX BODY

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3090mm (10' 1½")	5788-3532-31DD
3700mm (12' 1½")	5788-3532-37DD
4300mm (14' 1½")	5788-3532-43DD
4915mm (16' 1½")	5788-3532-49DD
5525mm (18' 1½")	5788-3532-55DD
6135mm (20' 1½")	5788-3532-61DD
6440mm (21' 1½")	5788-3532-64DD

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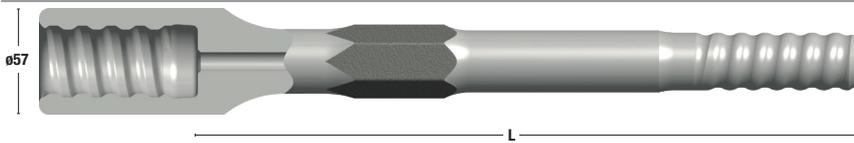
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TUNNELLING AND DRIFTING

THREAD SIZES P38/R32

P38 FEM./R32MALE, 35mm (1 3/8") - HEX BODY

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3100mm (10' 1 1/2")	5788-3532-31MF
3700mm (12' 1 1/2")	5788-3532-37MF
4305mm (14' 1 1/2")	5788-3532-43MF
4915mm (16' 1 1/2")	5788-3532-49MF
5525mm (18' 1 1/2")	5788-3532-55MF
6440mm (21' 1 1/2")	5788-3532-64MF

P38/R32, 39mm (1 7/32") - ROUND BODY

Ø 12mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3700mm (12' 1 1/2")	5688-3932-37
4305mm (14' 1 1/2")	5688-3932-43
4915mm (16' 1 1/2")	5688-3932-49
5525mm (18' 1 1/2")	5688-3932-55
6135mm (20' 1 1/2")	5688-3932-61
6440mm (21' 1 1/2")	5688-3932-64

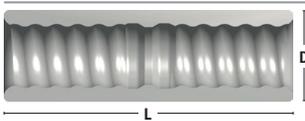
P38 FEM./R32 MALE, 39mm (1 7/32") - ROUND BODY

Ø 12mm Flushing hole



EFFECTIVE LENGTH (L)	CAT. NUMBER
3700mm (12' 1 1/2")	5888-3932-37MF
4305mm (14' 1 1/2")	5888-3932-43MF
4915mm (16' 1 1/2")	5888-3932-49MF
5525mm (18' 1 1/2")	5888-3932-55MF
6135mm (20' 1 1/2")	5888-3932-61MF
6440mm (21' 1 1/2")	5888-3932-64MF

COUPLINGS



DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
55	175	R38 S/B COUPLING	5538-0001
55	190	P38 S/B COUPLING	5588-0001

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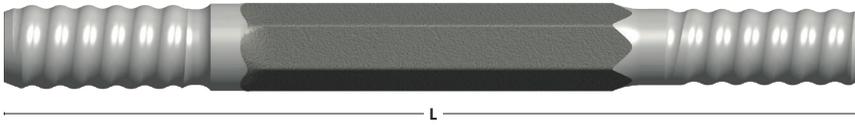
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TUNNELLING AND DRIFTING

THREAD SIZES R38/R35 & P38/R35

R38/R35, 35mm (1 3/8") - HEX BODY

Ø 9.5mm Flushing hole



LENGTH (L)	CAT. NUMBER
4300mm (14' 1 1/2")	5738-3535-43
4915mm (16' 1 1/2")	5738-3535-49
5525mm (18' 1 1/2")	5738-3535-55
6135mm (20' 1 1/2")	5738-3535-61

P38/R35, 35mm (1 3/8") - HEX BODY

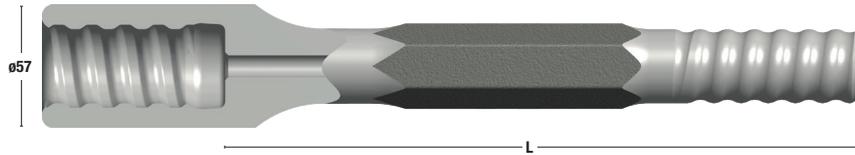
Ø 9.5mm Flushing hole



LENGTH (L)	CAT. NUMBER
3700mm (12' 1 1/2")	5788-3535-37
4300mm (14' 1 1/2")	5788-3535-43
4915mm (16' 1 1/2")	5788-3535-49
5525mm (18' 1 1/2")	5788-3535-55
6135mm (20' 1 1/2")	5788-3535-61
6440mm (21' 1 1/2")	5788-3535-64

P38 FEMALE/R35 MALE, 35mm (1 3/8") - HEX BODY

Ø 9.5mm Flushing hole



LENGTH (L)	CAT. NUMBER
4300mm (14' 1 1/2")	5788-3535-43MF
4915mm (16' 1 1/2")	5788-3535-49MF
5525mm (18' 1 1/2")	5788-3535-55MF
6135mm (20' 1 1/2")	5788-3535-61MF
6400mm (21')	5788-3535-64MF

P38/R35, 39mm (1 17/32") - ROUND BODY

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
4300mm (14' 1 1/2")	5688-3935-43
4915mm (16' 1 1/2")	5688-3935-49
5525mm (18' 1 1/2")	5688-3935-55
6135mm (20' 1 1/2")	5688-3935-61

P38 FEMALE/R35 MALE, 39mm (1 17/32") - ROUND BODY

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
3700mm (12' 1 1/2")	5888-3935-37MF
4300mm (14' 1 1/2")	5888-3935-43MF
4915mm (16' 1 1/2")	5888-3935-49MF
5525mm (18' 1 1/2")	5888-3935-55MF
6135mm (20' 1 1/2")	5888-3935-61MF

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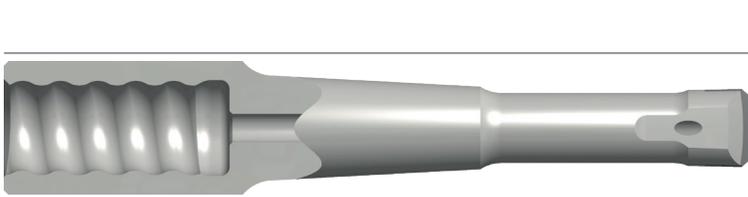
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REAMING EQUIPMENT

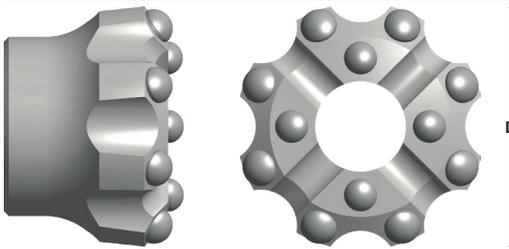
THREAD SIZES R25/R28/R32/R35

PILOT ADAPTERS T.C. TIPPED HEAD, 26MM - 6° TAPER



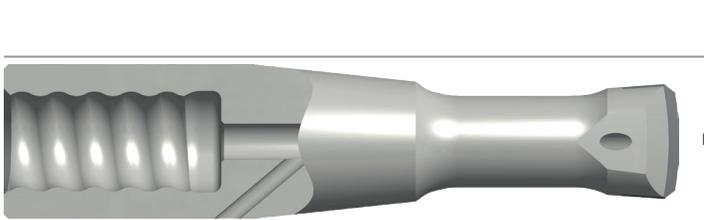
THREAD	DIAMETER	CAT. NUMBER
R25	D=26mm	4250-2526
R28	D=26mm	4250-2826
R32	D=26mm	4250-3226

REAMING BITS, BUTTON - 6° TAPER



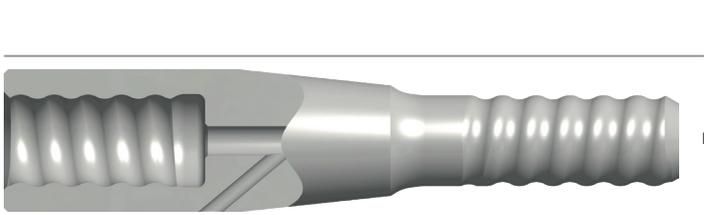
DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER
64	6 x 10mm	3 x 9mm	35°	4700-1364
76	8 x 11mm	4 x 10mm	35°	4700-1376
89	8 x 12mm	4 x 10mm	35°	4700-1389

PILOT ADAPTERS T.C. TIPPED HEAD, 40MM - 12° TAPER



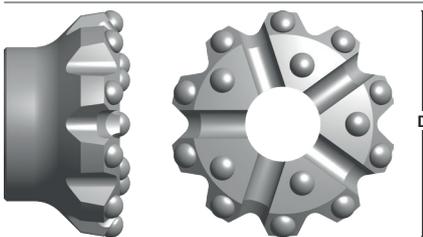
THREAD	DIAMETER (D)	CAT. NUMBER
R32	40mm	4250-3240
R35	40mm	4250-3540

PILOT ADAPTERS 12° - WITH MALE THREAD



THREAD	DIAMETER (D)	CAT. NUMBER
R32	40mm	4250-3232M
R35	40mm	4250-3535M

REAMING BITS, BUTTON - 12° TAPER



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER
89	8 x 12mm	4 x 10mm	35°	4700-1689
102	8 x 12mm	4 x 11mm	35°	4700-1602
127	10 x 14mm	5 x 14mm	35°	4700-1627

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REAMING EQUIPMENT

THREAD SIZES R32/R35

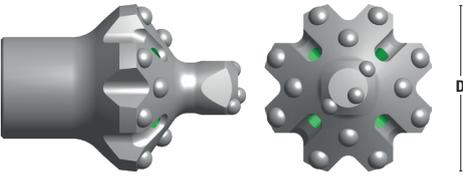
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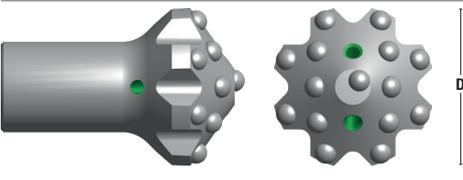
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THREADED REAM BITS



DIA (D) MM	GAUGE CARBIDES	PILOT CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
76	8 x 12mm	3 x 10mm	4 x 8mm	2	35	4732-5276-38	N/A
89	8 x 12mm	3 x 10mm	4 x 8mm	2	35	4732-5289-38	4735-5289-38
102	12 x 12mm	3 x 10mm	4 x 8mm	2	35	4732-5202-38	4735-5202-38
115	15 x 14mm	3 x 10mm	4 x 8mm	2	35	N/A	4735-5215-38
127	15 x 14mm	3 x 10mm	4 x 8mm	2	35	N/A	4735-5227-38

THREADED REAM BITS (MUSHROOM TYPE)

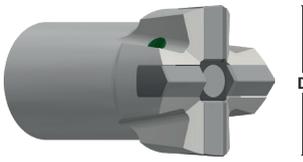


DIA (D) MM	GAUGE CARBIDES	PILOT CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER	R35 CAT. NUMBER
76	8 x 12mm	6 x 12mm	4 x 8mm	2	35°	4732-5076	4735-5076
89	8 x 12mm	6 x 12mm	4 x 8mm	2	35°	4732-5089	4735-5089
102	9 x 12mm	8 x 12mm	4 x 8mm	2	35°	4732-5002	4735-5002

EXTENSION DRILLING EQUIPMENT

THREAD SIZES R25

CROSS BIT



DIA (D) MM	CARBIDE WIDTH	CARBIDE HEIGHT	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER
35	8mm	11mm	4 x 5mm	1 x 5mm	N/A	4625-0835
38	8mm	11mm	4 x 5mm	1 x 5mm	N/A	4625-0838
41	8mm	14mm	4 x 5mm	1 x 5.5mm	N/A	4625-0841
45	9mm	14mm	4 x 5mm	1 x 5.5mm	N/A	4625-0845

CROSS FLUSH



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER
38	6 x 8mm	2 x 6.5mm	2 x 6mm	1 x 6mm	30	4725-1038
41	6 x 8mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1041
43	6 x 8mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1043
45	6 x 9mm	2 x 8mm	2 x 6mm	1 x 6mm	30	4725-1045
48	6 x 9mm	2 x 9mm	2 x 6mm	1 x 6mm	30	4725-1048
51	6 x 10mm	2 x 9mm	2 x 6mm	1 x 6mm	40	4725-1051

FLAT FACE BIT



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER
33	5 x 8mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2033
35	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2035
38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30	4725-2038
41	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4725-2041
43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30	4725-2043
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4725-2045
48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4725-2048
51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30	4725-2051

GROOVED FACE BIT



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER
45	6 x 9mm	3 x 8mm	3 x 5mm	0	30	4725-3045
48	6 x 10mm	3 x 8mm	3 x 5mm	0	35	4725-3048
51	6 x 10mm	3 x 9mm	3 x 6mm	0	30	4725-3051

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EXTENSION DRILLING EQUIPMENT

THREAD SIZES R25

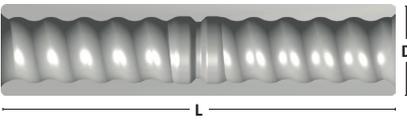
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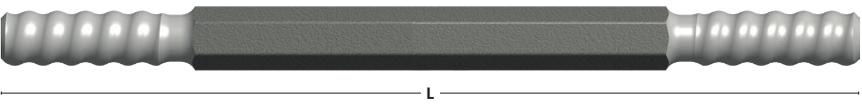
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COUPLINGS

	DIAMETER (D)	LENGTH (L)	DESCRIPTION	CAT. NUMBER
	35mm	149mm	SEMI-BRIDGE	5525-0001

R25 EXTENSION RODS

Ø 9.0mm Flushing hole



LENGTH (L)	CAT. NUMBER
610mm (2')	5725-2506
915mm (3')	5725-2509
1220mm (4')	5725-2512
1525mm (5')	5725-2515
1830mm (6')	5725-2518
2435mm (8')	5725-2524
3050mm (10')	5725-2531
3660mm (12')	5725-2536

R25 MALE/FEMALE EXTENSION RODS

Ø 9.0mm Flushing hole



LENGTH (L)	CAT. NUMBER
610mm (2')	5725-2506MF
915mm (3')	5725-2509MF
1220mm (4')	5725-2512MF
1525mm (5')	5725-2515MF
1830mm (6')	5725-2518MF
2435mm (8')	5725-2524MF
3050mm (10')	5725-2531MF
3660mm (12')	5725-2536MF

R32 EXTENSION DRILLING EQUIPMENT

THREAD SIZES R32

R32 - CROSS FLUSH

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER
	48	6 x 9mm	2 x 9mm	2 x 6mm	1 x 6mm	30	4732-1048
	51	6 x 10mm	2 x 9mm	2 x 6mm	1 x 6mm	40	4732-1051

R32 - FLAT FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30	4732-2048
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30	4732-2051
	54	6 x 11mm	3 x 9mm	3 x 6mm	0	35	4732-2054
	57	6 x 11mm	3 x 10mm	1 x 7mm	2 x 7mm	35	4732-2057
	64	6 x 12mm	3 x 10mm	1 x 9mm	1 x 9mm	30	4732-2064
	76	6 x 12mm	5 x 11mm	1 x 8mm	2 x 8mm	35	4732-2076

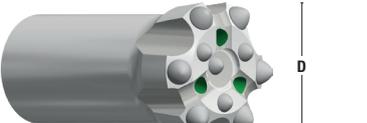
R32 - GROOVED FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER
							
	48	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35	4732-3048
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30	4732-3051
	54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4732-3054
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4732-3057
	64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4732-3064

R32 - GROOVED FACE, RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER
							
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30	4732-3251
	54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4732-3254
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4732-3257
	64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4732-3264

R32 - DROP CENTRE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R32 CAT. NUMBER
	64	6 x 12mm	4 x 9mm	3 x 8mm	0	30	4732-4064

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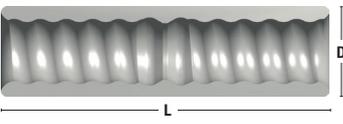
R32 EXTENSION DRILLING EQUIPMENT

THREAD SIZES R32

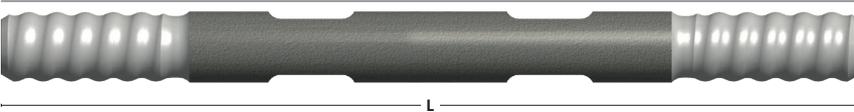
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COUPLINGS

	DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
	45	159	SEMI-BRIDGE	5532-0001

32mm (1¼") ROUND - CARBURISED

Ø 11mm Flushing hole	LENGTH (L)	CAT. NUMBER
	1220mm (4')	5632-3212C
	1525mm (5')	5632-3215C
	1830mm (6')	5632-3218C
	3050mm (10')	5632-3231C
	3660mm (12')	5632-3236C

32mm (1¼") ROUND - SURFACE HARDENED

Ø 11mm Flushing hole	LENGTH (L)	CAT. NUMBER
	3050mm (10')	5632-3231SH
	3660mm (12')	5632-3236SH
	4270mm (14')	5632-3243SH

MALE/FEMALE SPEEDRODS 32mm (1¼") - ROUND

Ø 11mm Flushing hole	LENGTH (L)	CAT. NUMBER
	1220mm (4')	5832-3212MF
	1525mm (5')	5832-3215MF
	1830mm (6')	5832-3218MF
	3050mm (10')	5832-3231MF
	3660mm (12')	5832-3236MF
	4270mm (14')	5832-3243MF

GUIDE TUBE

Ø 11mm Flushing hole	DIA.	LENGTH (L)	CAT. NUMBER
	44mm	3050mm (10')	5632-4431
	44mm	3660mm (12')	5632-4436
	44mm	4270mm (14')	5632-4443

P35 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P35

P35 - GROOVED FACE



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P35 CAT. NUMBER
48	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35	4785-3048
51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30	4785-3051
54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4785-3054
57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4785-3057
64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4785-3064

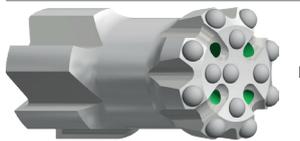


76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4785-3076
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P35 - GROOVED FACE RETRAC



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P35 CAT. NUMBER
54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35	4785-3254
57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35	4785-3257
64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30	4785-3264



76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4785-3276
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P35 MALE/FEMALE SPEEDRODS 38mm (1½") - ROUND BODY

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
1220mm (4')	5885-3812MF
1525mm (5')	5885-3815MF
1830mm (6')	5885-3818MF
3050mm (10')	5885-3831MF
3660mm (12')	5885-3836MF
4270mm (14')	5885-3843MF

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P38 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P38

P38 - FLAT FACE (T38)

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
	60	6 x 11mm	3 x 11mm	1 x 9mm	1 x 9mm	30	4788-2060
	64	6 x 12mm	3 x 11mm	1 x 9mm	1 x 9mm	30	4788-2064
	70	8 x 12mm	6 x 10mm	2 x 10mm	2 x 9mm	30	4788-2070
	76	8 x 12mm	6 x 10mm	2 x 12mm	2 x 8mm	35	4788-2076
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35	4788-2089
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4788-2002

P38 - FLAT FACE RETRAC (T38)

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
	64	6 x 12mm	3 x 11mm	1 x 9mm	1 x 9mm	30	4788-2264
	76	8 x 12mm	6 x 10mm	2 x 12mm	2 x 8mm	35	4788-2276
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35	4788-2289

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P38 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P38

P38 - GROOVED FACE



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
64	6 x 12mm	3 x 11mm	3 x 8mm	0	30	4788-3064



76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4788-3076
89	8 x 13mm	5 x 12mm	4 x 9mm	0	35	4788-3089

P38 - GROOVED FACE RETRAC



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
64	6 x 12mm	3 x 11mm	3 x 8mm	0	30	4788-3264



76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4788-3276
89	8 x 13mm	5 x 12mm	4 x 9mm	0	35	4788-3289

P38 - DROP CENTRE



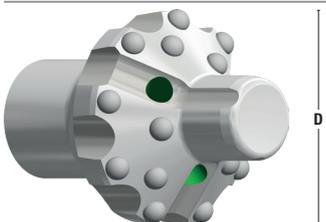
DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
64	8 x 10mm	5 x 9mm	4 x 8mm	0	30	4788-4064
76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4788-4076
89	8 x 14mm	6 x 12mm	4 x 9mm	0	35	4788-4089

P38 - DROP CENTRE RETRAC



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
64	8 x 10mm	5 x 9mm	4 x 8mm	0	30	4788-4264
76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4788-4276
89	8 x 14mm	6 x 12mm	4 x 9mm	0	35	4788-4289

P38 - REAM BITS



DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P38 CAT. NUMBER
127	15 x 14mm	0	3 x 16mm	0	35	4788-5227-51
152	18 x 14mm	0	3 x 16mm	0	35	4788-5252-60

P38 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P38

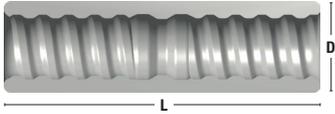
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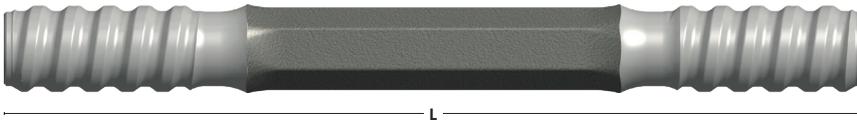
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COUPLINGS

	DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
	55	190	SEMI-BRIDGE	5588-0001

32mm (1¼") - HEXAGON

Ø 12mm Flushing hole



LENGTH (L)	CAT. NUMBER
3050mm (10')	5788-3231
3660mm (12')	5788-3236
4000mm (13')	5788-3240

38mm (1½") ROUND - CARBURISED

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
1220mm (4')	5688-3812C
1525mm (5')	5688-3815C
1830mm (6')	5688-3818C
3050mm (10')	5688-3831C
3660mm (12')	5688-3836C
4270mm (14')	5688-3843C
4905mm (16')	5688-3849C

38mm (1½") ROUND - SURFACE HARDENED

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
3050mm (10')	5688-3831SH
3660mm (12')	5688-3836SH
4270mm (14')	5688-3843SH
4905mm (16')	5688-3849SH

MALE/FEMALE SPEEDRODS 38mm (1½") - ROUND

Ø 14mm Flushing hole



LENGTH (L)	CAT. NUMBER
1220mm (4')	5888-3812MF
1525mm (5')	5888-3815MF
1830mm (6')	5888-3818MF
3050mm (10')	5888-3831MF
3660mm (12')	5888-3836MF
4270mm (14')	5888-3843MF

P38 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P38

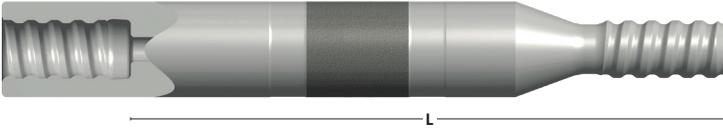
GUIDE TUBES

Ø 14mm Flushing hole / dia. 55mm



LENGTH (L)	CAT. NUMBER
1220mm (4')	5688-5512
1525mm (5')	5688-5515
1830mm (6')	5688-5518
2440mm (8')	5688-5524
3050mm (10')	5688-5531
3660mm (12')	5688-5536

Ø 14mm Flushing hole / dia. 55mm



1830mm (6')	5688-6418
2440mm (8')	5688-6424
3660mm (12')	5688-6436

LONG HOLE DRILLING TOOLS - SHOULDER DRIVE TUBES

Ø 14mm Flushing hole / dia. 55mm



LENGTH (L)	CAT. NUMBER
1525mm (5')	5688-5515SD
1830mm (6')	5688-5518SD

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P45/P51 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P45/P51

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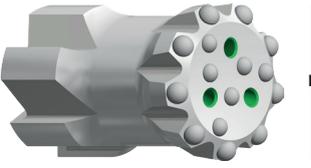
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P45 (T45) & P51(T51) - FLAT FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	70	8 x 12mm	6 x 10mm	2 x 10mm	2 x 9mm	35	4795-2070	N/A
	76	8 x 12mm	6 x 10mm	2 x 12mm	2 x 8mm	35	4795-2076	N/A
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35	4795-2089	4799-2089
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4795-2002	4799-2002
	115	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4795-2015	4799-2015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	N/A	4799-2027

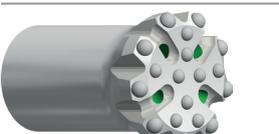
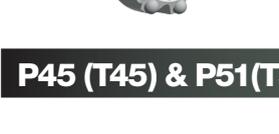
P45 (T45) & P51(T51) - FLAT FACE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	76	8 x 12mm	6 x 10mm	2 x 12mm	2 x 8mm	35	4795-2276	N/A
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35	4795-2289	4799-2289
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4795-2202	4799-2202
	115	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4795-2215	4799-2215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	NA	4799-2227

P45/P51 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P45/P51

P45 (T45) & P51(T51) - GROOVED FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4795-3076	N/A
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35	4795-3089	4799-3089
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4795-3002	4799-3002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4795-3015	4799-3015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	NA	4799-3027

P45 (T45) & P51(T51) - GROOVED FACE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4795-3276	N/A
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35	4795-3289	4799-3289
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4795-3202	4799-3202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4795-3215	4799-3215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	NA	4799-3227

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P45/P51 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P45/P51

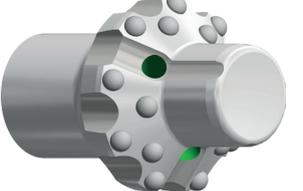
P45 (T45) & P51(T51) - DROP CENTRE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4795-4076	NA
	89	8 x 14mm	6 x 12mm	4 x 9mm	0	35	4795-4089	4799-4089
	102	9 x 14mm	9 x 12mm	3 x 10mm	0	35	4795-4002	4799-4002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4795-4015	4799-4015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	NA	4799-4027

P45 (T45) & P51(T51) - DROP CENTRE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER	P51 CAT. NUMBER
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35	4795-4276	NA
	89	8 x 14mm	6 x 12mm	4 x 9mm	0	35	4795-4289	4799-4289
	102	9 x 14mm	9 x 12mm	3 x 10mm	0	35	4795-4202	4799-4202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4795-4215	4799-4215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	NA	4799-4227

P45 (T45) - REAM BITS

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P45 CAT. NUMBER
	127	15 x 14mm	0	3 x 16mm	0	30	4795-5227-67
	152	18 x 14mm	0	3 x 16mm	0	35	4795-5252-67

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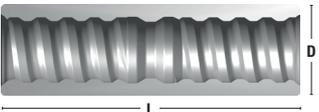
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P45 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P45

COUPLINGS

	DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
	63	207	SEMI-BRIDGE	5695-0001

45mm (1 3/4") ROUND - CARBURISED

Ø 16mm Flushing hole



LENGTH (L)	CAT. NUMBER
1220mm (4')	5695-4512C
1525mm (5')	5695-4515C
1830mm (6')	5695-4518C
3050mm (10')	5695-4531C
3660mm (12')	5695-4536C
4265mm (14')	5695-4543C
6095mm (20')	5695-4561C

45mm (1 3/4") ROUND - SURFACE HARDENED

Ø 16mm Flushing hole



LENGTH (L)	CAT. NUMBER
3050mm (10')	5695-4531SH
3660mm (12')	5695-4536SH
4265mm (14')	5695-4543SH
6095mm (20')	5695-4561SH

MALE/FEMALE SPEEDRODS 45mm (1 3/4") - ROUND

Ø 16mm Flushing hole



LENGTH (L)	CAT. NUMBER
1220mm (4')	5895-4512MF
1525mm (5')	5895-4515MF
1830mm (6')	5895-4518MF
3050mm (10')	5895-4531MF
3660mm (12')	5895-4536MF
4265mm (14')	5895-4543MF
6095mm (20')	5895-4561MF

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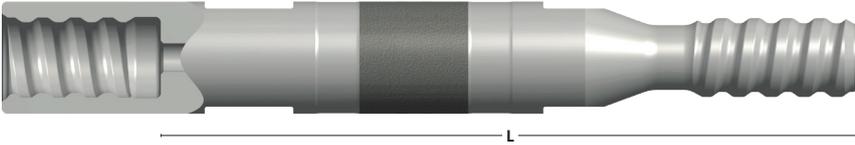
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P45 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P45

GUIDE TUBES

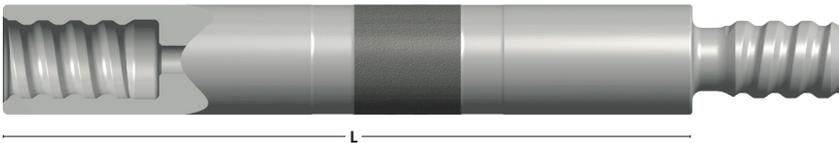
Ø 16mm Flushing hole



DIA.	LENGTH (L)	CAT. NUMBER
64mm	1220mm (4')	5695-6412
64mm	1525mm (5')	5695-6415
64mm	1830mm (6')	5695-6418
64mm	3660mm (12')	5695-6436
76mm	1830mm (6')	5695-7618
76mm	3660mm (12')	5695-7636

LONG HOLE DRILLING TOOLS - SHOULDER DRIVE TUBES

Ø 16mm Flushing hole



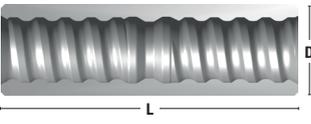
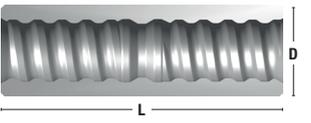
DIA.	LENGTH (L)	CAT. NUMBER
64mm	1525mm (5')	5695-6415SD
64mm	1830mm (6')	5695-6418SD

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P51 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P51

COUPLINGS

	DIA (D) MM	LENG (L) MM	DESCRIPTION	CAT. NUMBER
	72	234	SEMI-BRIDGE	5599-0001
	76	234	SEMI-BRIDGE HEAVY DUTY	5599-0003

51mm (2") ROUND - CARBURISED

Ø 19mm Flushing hole



LENGTH (L)	CAT. NUMBER
610mm (2')	5699-5106C
1830mm (6')	5699-5118C
3050mm (10')	5699-5131C
3660mm (12')	5699-5136C
4265mm (14')	5699-5143C
4800mm (15' 9")	5699-5148C
6095mm (20')	5699-5161C

51mm (2") ROUND - SURFACE HARDENED

Ø 19mm Flushing hole



LENGTH (L)	CAT. NUMBER
3050mm (10')	5699-5131SH
3660mm (12')	5699-5136SH
4265mm (14')	5699-5143SH
6095mm (20')	5699-5161SH
7315mm (24')	5699-5173SH

MALE/FEMALE SPEEDRODS 51mm (2") - ROUND

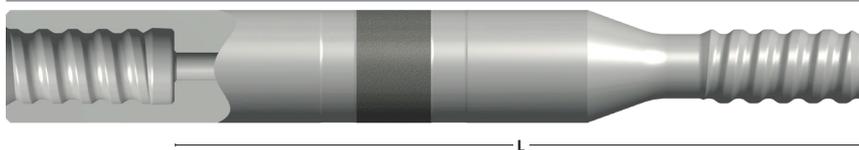
Ø 19mm Flushing hole



LENGTH (L)	CAT. NUMBER
915mm (3')	5899-5109MF
1830mm (6')	5899-5118MF
3050mm (10')	5899-5131MF
3660mm (12')	5899-5136MF
4265mm (14')	5899-5143MF
4800mm (15' 9")	5899-5148MF
6095mm (20')	5899-5161MF

GUIDE TUBES

Ø 19mm Flushing hole



DIA (D)	LENGTH (L)	CAT. NUMBER
76mm	915mm (3')	5699-7609
76mm	1830mm (6')	5699-7618
76mm	3660mm (12')	5699-7636
87mm	1830mm (6')	5699-8718
87mm	3660mm (12')	5699-8736

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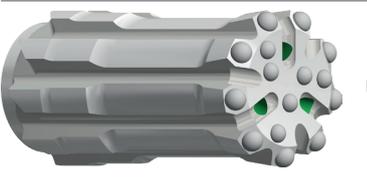
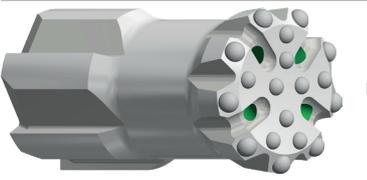
P60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P60

P60 (ST58 BOTTOM DRIVE) - GROOVED FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4760-3092
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4760-3002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4760-3015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4760-3027

P60 (ST58 BOTTOM DRIVE) - GROOVED FACE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4760-3292
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4760-3202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4760-3215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4760-3227

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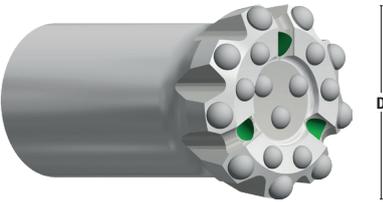
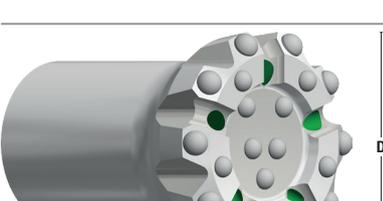
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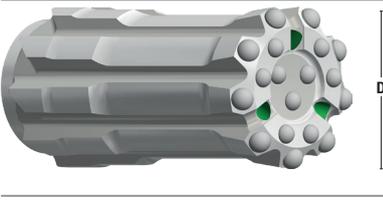
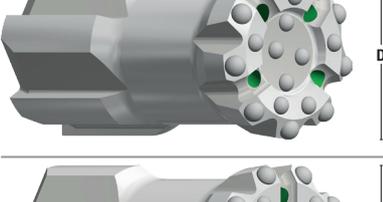
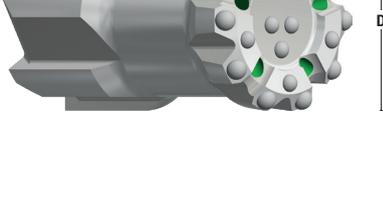
P60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P60

P60 (ST58 BOTTOM DRIVE) - DROP CENTRE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4760-4092
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4760-4002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4760-4015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4760-4027

P60 (ST58 BOTTOM DRIVE) - DROP CENTRE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P60 CAT. NUMBER
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4760-4202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4760-4215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4760-4227

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P60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P60

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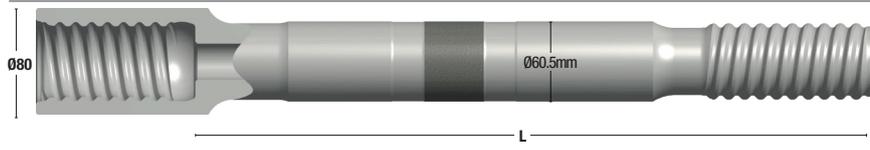
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P60 THREADED RODS

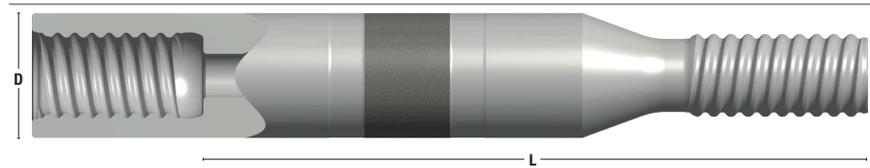
Ø 22mm Flushing hole



LENGTH (L)	CAT. NUMBER
MF ROD 3050mm	5860-6131MF
MF ROD 3660mm	5860-6136MF
MF ROD 4265mm	5860-6143MF
MF ROD 5485mm	5860-6155MF
MF ROD 6095mm	5860-6161MF

GUIDE TUBE

Ø 22mm Flushing hole

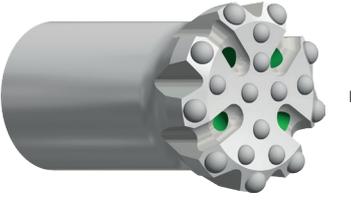


DIA (D) MM	LENGTH (L)	CAT. NUMBER
76	3660mm (12')	5660-7636
87	4265mm (14')	5660-8743

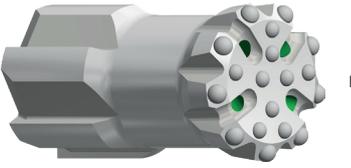
CT60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES CT60

CT60 - (COLLARED 'T' THREAD) GROOVED FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CT60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4790-3092
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4790-3002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4790-3015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-3027

CT60 - (COLLARED 'T' THREAD) GROOVED FACE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CT60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4790-3292
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4790-3202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4790-3215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-3227

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CT60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES CT60

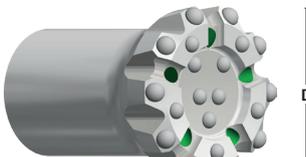
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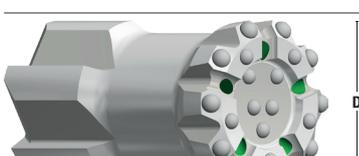
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CT60 - (COLLARED 'T' THREAD) DROP CENTRE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CT60 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4790-4092
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4790-4002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4790-4015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-4027
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-4027

CT60 - (COLLARED 'T' THREAD) DROP CENTRE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CT60 CAT. NUMBER
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4790-4202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4790-4215
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4790-4215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-4227
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4790-4227

CT60 EXTENSION DRILLING EQUIPMENT

THREAD SIZES CT60

CT60 MF RODS, 82mm FEMALE

Ø 22mm Flushing hole



LENGTH (L)	CAT. NUMBER
MF ROD 3660mm (12')	5890-6136MF
MF ROD 4265mm (14')	5890-6143MF
MF ROD 6100mm (20' 5/32")	5890-6161MF

CT60 MF RODS, 85mm FEMALE

Ø 22mm Flushing hole



LENGTH (L)	CAT. NUMBER
MF ROD 3660mm (12')	5891-6136MF
MF ROD 4265mm (14')	5891-6143MF
MF ROD 6100mm (20' 5/32")	5891-6161MF

PILOT TUBE

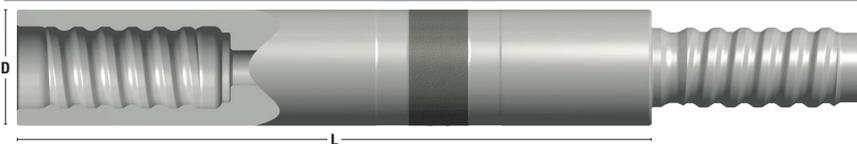
Ø 25mm Flushing hole



DIA (D) MM	LENGTH (L)	CAT. NUMBER
87	4265mm (14')	5890-8743-R
76	5335mm (17')	5890-7653-R

DRILL TUBE

Ø 25mm Flushing hole



DIA (D) MM	LENGTH (L)	CAT. NUMBER
87	4265mm (14')	5690-8743

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P58/P68 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P58/P68

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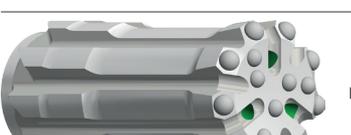
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P58 (ST58) & P68 (ST68) (SHOULDER DRIVE / TUBULAR DRILLING) - GROOVED FACE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P58 CAT. NUMBER	P68 CAT. NUMBER
	89	8 x 12mm	5 x 11mm	4 x 9mm	0	35	4758-3089	NA
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4758-3002	4768-3002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4758-3015	4768-3015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4758-3027	4768-3027

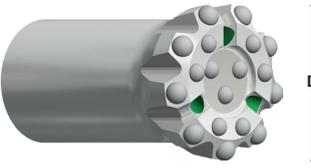
P58 (ST58) & P68 (ST68) (SHOULDER DRIVE / TUBULAR DRILLING) - GROOVED FACE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P58 CAT. NUMBER	P68 CAT. NUMBER
	89	8 x 12mm	5 x 11mm	4 x 9mm	0	35	4758-3289	NA
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35	4758-3202	4768-3202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4758-3215	4768-3215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4758-3227	4768-3227

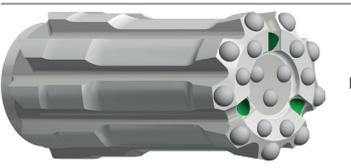
P58/P68 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P58/P68

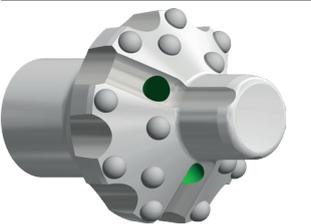
P58 (ST58) & P68 (ST68) (SHOULDER DRIVE / TUBULAR DRILLING) - DROP CENTRE

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P58 CAT. NUMBER	P68 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4758-4092	NA
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4758-4002	4768-4002
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4758-4015	4768-4015
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4758-4027	4768-4027

P58 (ST58) & P68 (ST68) (SHOULDER DRIVE / TUBULAR DRILLING) - DROP CENTRE RETRAC

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P58 CAT. NUMBER	P68 CAT. NUMBER
	92	9 x 12mm	6 x 12mm	3 x 11mm	0	35	4758-4292	NA
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35	4758-4202	4768-4202
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35	4758-4215	4768-4215
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35	4758-4227	4768-4227

P58 (ST58) & P68 (ST68) (SHOULDER DRIVE / TUBULAR DRILLING) - REAM BITS

	DIA (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	P58 CAT. NUMBER	P68 CAT. NUMBER
	152	15 x 16mm	0	3 x 16 mm	0	35	4758-5252-80	4768-5252-80

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P58/P68 EXTENSION DRILLING EQUIPMENT

THREAD SIZES P58/P68

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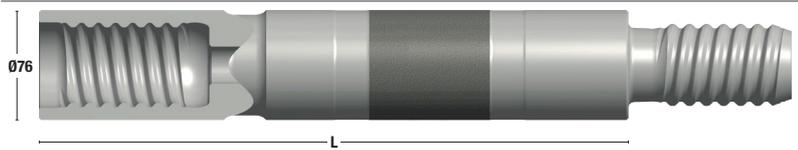
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P58 THREAD - SHOULDER DRIVE TUBES

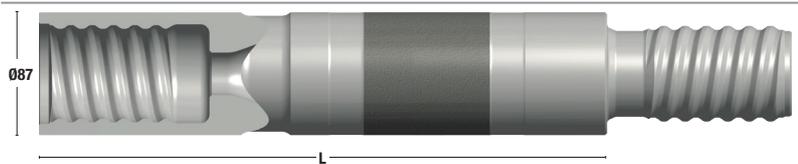
Ø 26mm Flushing hole



DIA (D) MM	LENGTH (L)	CAT. NUMBER
76	1525mm (5') DRILL TUBE	5658-7615SD
76	1830mm (6') DRILL TUBE	5658-7618SD

P68 THREAD - SHOULDER DRIVE TUBES

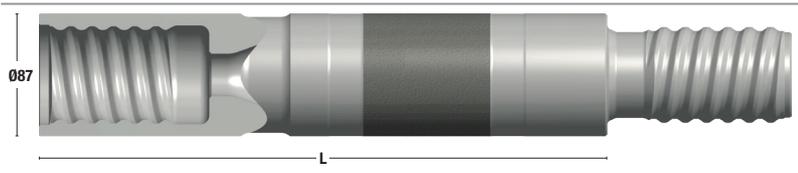
Ø 30mm Flushing hole



DIA (D) MM	LENGTH (L)	CAT. NUMBER
87	1220mm (4') DRILL TUBE	5668-8712SD
87	1525mm (5') DRILL TUBE	5668-8715SD
87	1830mm (6') DRILL TUBE	5668-8718SD

TUBES - WITH BACK FLOW WATER VALVE

Ø 30mm Flushing hole



DIA (D) MM	LENGTH (L)	CAT. NUMBER
87	1220mm (4') DRILL TUBE	5668-8712SDV
87	1525mm (5') DRILL TUBE	5668-8715SDV
87	1830mm (6') DRILL TUBE	5668-8718SDV

SHANK INDEX MACHINE REFERENCE TABLE

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SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
HEX. 108x22mm	R25	5	255	5425-2203-03	01
HEX. 108x25mm	R25	5	255	5425-2503-03	02
GD D93L, DH99; A/C BBC41 A/COPCO BBC41, 43, 45, 100	R32	8	381	5432-1501-08	03
	R25	10	381	5425-1501-10	
	R32	10	381	5432-1501-10	
A/COPCO BBC51, 52, 54, 120	R32	10	381	5432-1503-10	04
	R38	10	381	5438-1503-10	
	P38	10	381	5488-1503-10	
VL120, 130, 140 HOLMAN 115R TAMROCK L750 GD PR123, IR URD475, 550 TAMROCK L750 FURUKAWA M120	R32	14	356	5432-1417-14	05
	R38	14	356	5438-1417-14	
	P38	14	356	5488-1417-14	
	R32	14	387	5432-1517-14	
ATLAS COPCO					
BBE57, MONT H100	P38	14	537	5488-2108-14	06
	P45	14	537	5495-2108-14	
COP125, 130, 131	R32	14	405	5432-1618-14	07
	P38	14	381	5488-1518-14	
COP131EB	P38	14	381	5488-15118-14	08
1028HB	R28	N/A	400	5428-1655-00	09
	R32	N/A	400	5432-1655-00	
COP 1032LE/HB	R32	N/A	550	5432-2270-00	09A
	P38	N/A	550	5488-2270-00	
COP1038 HD, 1038 HL, COP1038 HD, COP1238, COP1036HB, 1038HB, 1238 COP1038HL, 1238	R38	N/A	485	5438-1929-00	10
	P38	N/A	485	5488-1929-00	
	P38	N/A	500	5488-2029-00	
	P45	N/A	500	5495-2029-00	
	R32	N/A	575	5432-2329-00	
	P38	N/A	575	5488-2329-00	
	P45	N/A	575	5495-2329-00	
COP1036HB, 1038HB, 1238 (COLLAR)	R32	N/A	575	5432-2376-00	11
	R38	N/A	575	5438-2376-00	
	P38	N/A	575	5488-2376-00	
	P45	N/A	575	5495-2376-00	
COP1132	R28	N/A	410	5428-16181-00	12
	R32	N/A	410	5432-16181-00	
	P35	N/A	410	5485-16181-00	
	R32	N/A	500	5432-20181-00	
COP1132 (FEM.)	R32F	N/A	280	5432-11203-00	13
	R32F	N/A	341	5432-13147-00	
COP1432, COP1532 FEM.	R38F	N/A	341	5438-13147-00	14
	P38F	N/A	341	5488-13147-00	
COP1338 EXTRACTOR	R32	N/A	780	5432-31121-00	15
	P38	N/A	780	5488-31121-00	
COP1435	R32	N/A	410	5432-16235-00	16
	P35	N/A	410	5485-16235-00	
	R32	N/A	500	5432-20235-00	
	P35	N/A	500	5485-20235-00	

SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
COP1440, COP1550, COP1638, COP1838, COP2238	R32	N/A	435	5432-1762-00	17
	P35	N/A	435	5485-1762-00	
	R38	N/A	435	5438-1762-00	
	P38	N/A	435	5488-1762-00	
	R32	N/A	525	5432-2162-00	
	P35	N/A	525	5485-2162-00	
	R38	N/A	525	5438-2162-00	
COP1440, COP1550, 1838HD (D=52mm)	P38	N/A	525	5488-2162-00	18
	R32	N/A	525	5432-2163-00	
	P35	N/A	525	5485-2163-00	
	P38	N/A	525	5488-2163-00	
	P45	N/A	525	5495-2163-00	
COP1838MUX	P51	N/A	525	5499-2163-00	19
	P38	N/A	730	5488-29221-00	
COP 1838EX	P45	N/A	730	5495-29221-00	20
	P51	N/A	730	5499-29126-00	
COP 1850, 1840HE, 2150HE	P45	N/A	565	5495-22127-00	21
	P51	N/A	565	5499-22127-00	
COP 2150/2550 (STRAIGHT SPLINE)	P51	N/A	770	5499-30127-00	22
	P38	N/A	770	5488-30129-00	
COP 1240/1640/1840/ 1850/2150/2550HEX	P45	N/A	770	5495-30129-00	23
	P51	N/A	770	5499-30129-00	
COP 2550UX	P45	N/A	770	5495-30243-00	23A
	P51	N/A	770	5499-30243-00	
COP 2160/2560 EXTRACTOR	P51	N/A	770	5499-30204-00	24
	CT60	N/A	770	5490-30204-00	
COP 3038	P38	N/A	435	5488-17183-00	25
	P45	N/A	435	5495-17183-00	
	P38	N/A	525	5488-21183-00	
COP 3038HE (Helical)	P38	N/A	435	5488-17224-00	26
	P45	N/A	435	5495-17224-00	
	P38	N/A	525	5488-21224-00	
COP 3060 MUX	P58	N/A	745	5458-29259-00	26A
	P68	N/A	745	5468-29259-00	
COP 3060MEX	P51	N/A	840	5499-33244-00	26B
	P60	N/A	840	5460-33244-00	
COP4050 MUX	CT60	N/A	840	5490-33244-00	27
	P58	N/A	835	5458-33199-00	
	P68	N/A	835	5468-33199-00	
BOART					
HD65 (female)	R32F	N/A	324	5432-13226-00	28
HD65	R32	N/A	445	5432-1868-00	29
HD125, HD150	R32	N/A	495	5432-2048-00	30
	R38	N/A	495	5438-2048-00	
	P38	N/A	495	5488-2048-00	
CANNON					
CH38 (JOYJH-2) (55mm Body, Fem.)	P38F	N/A	390	5488-15200-00	31
CH38 (JOYJH-2) (55mm Body)	P45	N/A	525	5495-21201-00	32
CH38 (JOYJH-2) (38mm Body)	P38	N/A	444	5488-17195-00	33
JOY VCR260 /360	P38	16	432	5488-1747-16	34
DOOFOR					
DF425/430S	R25	N/A	400	5425-16210-00	35
	R28	N/A	400	5428-16210-00	
DF528	R32	N/A	424	5432-17234-00	36

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SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
DF528HD	R32	N/A	470	5432-19135-00	37
	R38	N/A	470	5438-19135-00	
	P38	N/A	470	5488-19135-00	
DF545	R32	N/A	515	5432-20233-00	38
	R38	N/A	515	5438-20233-00	
	P38	N/A	515	5488-20233-00	
DF545HD	R32	N/A	515	5432-20236-00	39
	R38	N/A	515	5438-20236-00	
	P38	N/A	515	5488-20236-00	
	P45	N/A	515	5495-20236-00	
DF545EXT	R32	N/A	582	5432-23237-00	40
	R38	N/A	582	5438-23237-00	
	P38	N/A	582	5488-23237-00	
DF545EXT HD	R32	N/A	582	5432-23239-00	41
	R38	N/A	582	5438-23239-00	
	P38	N/A	582	5488-23239-00	
	P45	N/A	582	5495-23239-00	
DF800	P45	N/A	560	5495-22252-00	41A
	P51	N/A	560	5499-22252-00	
FURUKAWA					
PD200 (H/D CHUCK)	R38	14	381	5438-1514-14	42
	P38	14	381	5488-1514-14	
	P45	14	381	5495-1514-14	
HD90	P38	N/A	512	5488-20107-00	43
HD150	R38	N/A	520	5438-21117-00	44
	P38	N/A	520	5488-21117-00	
HD180	P38	14	455	5488-1809-14	45
HD190	R38	N/A	480	5438-19109-00	46
	P38	N/A	480	5488-19109-00	
HD210	P38	N/A	430	5488-17215-00	47
HD260, HD300	P38	16	655	5488-2620-16	48
	P45	16	655	5495-2620-16	
HD500 (6 SPLINE)	P38	16	625	5488-25148-16	49
	P45	16	625	5495-25148-16	
HD609	P38	N/A	615	5488-2490-00	50
	P45	N/A	615	5495-2490-00	
	P38	N/A	690	5488-2790-00	
	P45	N/A	690	5495-2790-00	
HD609QED	P38	N/A	860	5488-34132-00	51
	P45	N/A	860	5495-34132-00	
HD612	P45	N/A	710	5495-28112-00	52
	P51	N/A	710	5499-28112-00	
HD612QED	P45	N/A	900	5495-36134-00	53
	P51	N/A	900	5499-36134-00	
HD615	P51	N/A	880	5499-35136-00	54
HD615QED	P51	N/A	880	5499-35139-00	55
HD709	P45	N/A	620	5499-24177-00	56
HD709QED	P45	N/A	800	5495-31180-00	57
HD712	P45	N/A	590	5495-23161-00	58
	P51	N/A	590	5499-23161-00	
	P45	N/A	790	5495-31161-00	
	P51	N/A	790	5499-31161-00	
HD712QED	P45	N/A	880	5495-35164-00	59
	P51	N/A	880	5499-35164-00	
HD715	P51	N/A	790	5499-31167-00	60
HD715QED	P51	N/A	885	5499-35175-00	61

SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
INGERSOLL RAND					
YD90M	R32	10	330	5432-1333-10	62
YH65, 70, 75, 80	P38	19	496	5488-2083-19	63
	P45	19	496	5495-2083-19	
	P38	19	610	5488-2483-19	
	P45	19	610	5495-2483-19	
YH65RP, 80RP	P38	19	700	5488-2892-19	64
	P45	19	700	5495-2892-19	
YH80A	P45	19	500	5495-20114-19	65
YH 95,100	P45	22	622	5495-2584-22	66
	P51	22	622	5499-2584-22	
YH110VRP	P45	N/A	900	5495-35104-00	67
	P51	N/A	900	5499-35104-00	
MONTABERT					
HC20 (D=45mm) FEM.	R32F	N/A	187	5432-07202-00	68
HC20 (D=45mm)	R32	N/A	287	5432-11194-00	69
HC25 (D=45mm)	R32	N/A	287	5432-11207-00	70
	P35	N/A	287	5485-11207-00	
	R38	N/A	287	5438-11207-00	
	P38	N/A	287	5488-11207-00	
HC25 (D=45mm) FEM.	R32	N/A	202	5432-08208-00	71
HC40/HC50 (D=38mm)	R32	N/A	381	5432-1564-00	72
	P35	N/A	381	5485-1564-00	
	R38	N/A	381	5438-1564-00	
	P38	N/A	381	5488-1564-00	
	R32	N/A	438	5432-1764-00	
	P35	N/A	438	5485-1764-00	
	R38	N/A	438	5438-1764-00	
	P38	N/A	438	5488-1764-00	
HC40 FEMALE (D=45mm)	R32	N/A	270	5432-1099-00	73
HC80, HC90, HC105 (D=38mm)	R38	N/A	440	5438-1756-00	74
	P38	N/A	440	5488-1756-00	
	R38	N/A	508	5438-2056-00	
	P38	N/A	508	5488-2056-00	
HC95LA	R38	N/A	438	5438-17238-00	74A
	P38	N/A	438	5488-17238-00	
	P45	N/A	453	5495-18238-00	
HC95LM	R32	N/A	503	5432-20240-00	74B
	R38	N/A	503	5438-20240-00	
	P38	N/A	503	5488-20240-00	
	P45	N/A	518	5495-20240-00	
HC95LQ	P45	N/A	518	5495-20241-00	74C
	P51	N/A	530	5499-21241-00	
HC80, HC110, HC120 (D=45mm)	R38	N/A	415	5438-1657-00	75
	P38	N/A	415	5488-1657-00	
	P45	N/A	425	5495-1757-00	
	R38	N/A	460	5438-1857-00	
	P38	N/A	460	5488-1857-00	
	R38	N/A	490	5438-1957-00	
	P38	N/A	490	5488-1957-00	
	P45	N/A	490	5495-1957-00	
	R38	N/A	530	5438-2157-00	
	P38	N/A	530	5488-2157-00	
P45	N/A	530	5495-2157-00		

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SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
HC90R, HC105R, HC107R, HC108R HC109R, HC110R, HC120R (D=45mm)	P35	N/A	670	5485-2795-00	76
	P38	N/A	670	5488-2795-00	
	P45	N/A	670	5495-2795-00	
	P45	N/A	770	5495-3095-00	
HC120R, HC150R, HC155R, HC158R (D=51mm)	P45	N/A	670	5495-27131-00	77
	P51	N/A	670	5499-27131-00	
	P45	N/A	770	5495-30131-00	
HC160, 170	P45	N/A	807	5495-32152-00	78
	P51	N/A	807	5499-32152-00	
	CT60	N/A	807	5490-32152-00	
HC200A	P51	N/A	840	5499-33133-00	79
	P60	N/A	840	5460-33133-00	
	CT60	N/A	840	5490-33133-00	

TAMROCK					
HL300S FEM.	R32	N/A	245	5432-1096-00	80
HL300	R32	N/A	400	5432-1612-00	81
	R32	N/A	500	5432-2012-00	
L400, L410, L500, L510	R32	10	381	5432-1519-10	82
HLR438, L550	R38	12	381	5438-1535-12	83
	P38	12	381	5488-1535-12	
HL438TS, HL538	R38	N/A	450	5438-1835-00	84
	P38	N/A	450	5488-1835-00	
	R32	N/A	495	5432-2035-00	
	R38	N/A	495	5438-2035-00	
HL500 S, HL510 S (D=38mm)	P38	N/A	495	5488-2035-00	85
	R32	N/A	450	5432-1881-00	
	R38	N/A	450	5438-1881-00	
	P38	N/A	450	5488-1881-00	
	P38	N/A	500	5488-2081-00	
HL500, HL510 (D=45mm)	R32	N/A	550	5432-22128-00	86
	P35	N/A	550	5485-22128-00	
	P38	N/A	550	5488-22128-00	
	P45	N/A	550	5495-22128-00	
HL500 (FEM.)	R32	N/A	350	5432-1481-00	87
HL550 SUPER, 560 SUPER	P35	N/A	460	5485-1882-00	88
	R38	N/A	460	5438-1882-00	
	P38	N/A	460	5488-1882-00	
	P35	N/A	500	5485-2082-00	
	R38	N/A	500	5438-2082-00	
	P38	N/A	500	5488-2082-00	
HLX1	R25	N/A	255	5425-10231-00	89
	R28	N/A	255	5428-10231-00	
RD314 (FEM.)	R32	N/A	205	5432-08223-00	90
RD520/RD525	P38	N/A	525	5488-21228-00	91
	P35	N/A	600	5485-24228-00	
	P38	N/A	600	5488-24228-00	
	P35	N/A	745	5485-29228-00	
RD520/RD525-PE	P38	N/A	745	5488-29228-00	91A
	R32	N/A	745	5432-29232-00	
	P35	N/A	745	5485-29232-00	

SHANKS	THREAD	TUBE SIZE MM	LENGTH MM	CATALOGUE NUMBER	FIGURE NUMBER
HLX5/HFX5T	R32	N/A	500	5432-20150-00	92
	P35	N/A	500	5485-20150-00	
	R38	N/A	500	5438-20150-00	
	P38	N/A	500	5488-20150-00	
	P45	N/A	500	5495-20150-00	
	R32	N/A	575	5432-23150-00	
	P35	N/A	575	5485-23150-00	
	P38	N/A	575	5488-23150-00	
	P45	N/A	575	5495-23150-00	
	P35	N/A	720	5485-28150-00	
HLX5/PE-45	R32	N/A	575	5432-23213-00	92A
	P38	N/A	575	5488-23213-00	
	R32	N/A	720	5432-28213-00	
	P38	N/A	720	5488-28213-00	
HL600 (D=45mm)	P38	N/A	525	5488-2167-00	93
	P45	N/A	525	5495-2167-00	
	P38	N/A	600	5488-2467-00	
	P45	N/A	600	5495-2467-00	
HL600 (D=52mm)	P45	N/A	650	5495-2697-00	94
	P51	N/A	650	5499-2697-00	
HL700/HL710/HL800T/ HF810T/HL650 (D=45mm)	P38	N/A	600	5488-24120-00	95
	P45	N/A	600	5495-24120-00	
HL700, HL710, HL800, HF810, HL650, HL810 (D=52mm)	P38	N/A	600	5488-24125-00	96
	P45	N/A	600	5495-24125-00	
	P51	N/A	600	5499-24125-00	
HL1000, HL1010, HL1010S (D=52mm)	P45	N/A	590	5495-2360-00	97
	P51	N/A	590	5499-2360-00	
	P45	N/A	670	5495-2660-00	
	P51	N/A	670	5499-2660-00	
HL1000, HL1010 (D=60mm)	P51	N/A	670	5499-26162-00	98
	P60	N/A	670	5460-26162-00	
	CT60	N/A	670	5490-26162-00	
HL1000 (80mm) HL1010 (SHOULDER DRIVE)	P58	N/A	635	5458-25110-00	99
	P68	N/A	635	5468-25110-00	
HL1000 EXTRACTOR (D=52mm)	P51	N/A	840	5499-33101-00	100
HL1500 (D=60mm)	P51	N/A	760	5499-30140-00	101
	P60	N/A	760	5460-30140-00	
	CT60	N/A	760	5490-30140-00	
HL1500 (D=80mm) (SHOULDER DRIVE)	P58	N/A	635	5458-25158-00	102
	P68	N/A	635	5468-25158-00	
HL1500 (D=80mm) (SHOULDER DRIVE w/COLLAR)	CT60	N/A	760	5490-30158-00	103
HL1500PE, 1000PE, 1560T (D=65mm)	P51	N/A	760	5499-30166-00	104
	P60	N/A	760	5460-30166-00	
	CT60	N/A	760	5490-30166-00	
RD900-PE65, RD926/927	P51	N/A	670	5499-26256-00	104A
	P60	N/A	670	5460-26256-00	
	CT60	N/A	670	5490-26256-00	
HL1500 SPE-90	P58	N/A	635	5458-25188-00	105
	P68	N/A	635	5468-25188-00	

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FIGURE 01

108 X 22MM (4 1/4" X 7/8") - HEXAGON

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R25	5	255	5425-2203-03	1.2

FIGURE 02

108 X 25MM (4 1/4" X 1") - HEXAGON

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R25	5	255	5425-2503-03	1.3

FIGURE 03

GD D93L, DH99; A/C BBC41, A/COPCO BBC41, 43, 45, 100, LC50

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	8	381	5432-1501-08	2
R25	10	381	5425-1501-10	2
R32	10	381	5432-1501-10	2

FIGURE 04

A/COPCO BBC51, 52, 54, 120

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	10	381	5432-1503-10	3
R38	10	381	5438-1503-10	3
P38	10	381	5488-1503-10	3

FIGURE 05

VL120, 130, 140, HOLMAN 115R, TAMROCK L750, GD PR123, IR URD475, 550, TAMROCK L750, FURUKAWA M120

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	14	356	5432-1417-14	3.5
R38	14	356	5438-1417-14	3.5
P38	14	356	5488-1417-14	3.5
R32	14	387	5432-1517-14	4
P38	14	387	5488-1517-14	4

FIGURE 06 - ATLAS COPCO

BBE57, MONT H100

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	14	537	5488-2108-14	5
P45	14	537	5495-2108-14	5

FIGURE 07 - ATLAS COPCO

COP125, 130, 131

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	14	405	5432-1618-14	3
P38	14	381	5488-1518-14	3

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FIGURE 08 - ATLAS COPCO

COP131EB

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	14	381	5488-15118-14	3.2

FIGURE 09 - ATLAS COPCO

1028HB

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R28	N/A	400	5428-1655-00	2.8
R32	N/A	400	5432-1655-00	2.8

FIGURE 09A - ATLAS COPCO

COP 1032LE/HB

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	550	5432-2270-00	5
P38	N/A	550	5488-2270-00	5

FIGURE 10 - ATLAS COPCO

COP1038 HD, 1038 HL, COP1038 HD, COP1238, COP1036HB, 1038HB, 1238, COP1038HL, 1238

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	485	5438-1929-00	4
P38	N/A	485	5488-1929-00	4
P38	N/A	500	5488-2029-00	4.5
P45	N/A	500	5495-2029-00	4.5
R32	N/A	575	5432-2329-00	5
P38	N/A	575	5488-2329-00	5.2

FIGURE 11 - ATLAS COPCO

COP1036HB, 1038HB, 1238 (COLLAR)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	575	5432-2376-00	5
R38	N/A	575	5438-2376-00	5.2
P38	N/A	575	5488-2376-00	5.2
P45	N/A	575	5495-2376-00	5.5

FIGURE 12 - ATLAS COPCO

COP1132

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R28	N/A	410	5428-16181-00	2.5
R32	N/A	410	5432-16181-00	2.5
P35	N/A	410	5485-16181-00	2.5
R32	N/A	500	5432-20181-00	3
P35	N/A	500	5485-20181-00	3

FIGURE 13 - ATLAS COPCO

COP1132 (FEM.)		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32F	N/A	280	5432-11203-00	2.5

FIGURE 14 - ATLAS COPCO

COP1432, COP1532 FEM.		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32F	N/A	341	5432-13147-00	4.5
		R38F	N/A	341	5438-13147-00	4.5
		P38F	N/A	341	5488-13147-00	4.5

FIGURE 15 - ATLAS COPCO

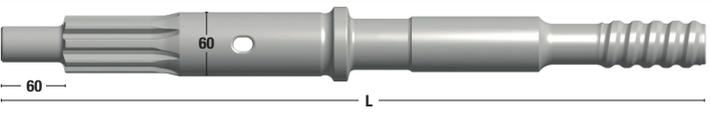
COP1338 EXTRACTOR		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	780	5432-31121-00	10.5
		P38	N/A	780	5488-31121-00	11
		P45	N/A	780	5495-31121-00	11.5

FIGURE 16 - ATLAS COPCO

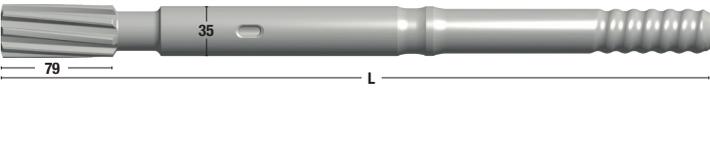
COP1435, COP1140		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	410	5432-16235-00	2.6
		P35	N/A	410	5485-16235-00	2.6
		R32	N/A	500	5432-20235-00	3
		P35	N/A	500	5485-20235-00	3.1

FIGURE 17 - ATLAS COPCO

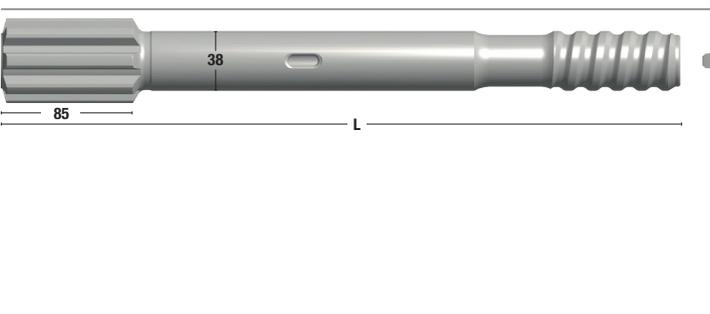
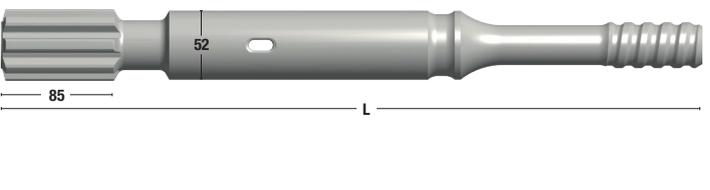
COP1440, COP1550, COP1638, COP1838, COP2238		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	435	5432-1762-00	3.6
		P35	N/A	435	5485-1762-00	3.8
		R38	N/A	435	5438-1762-00	3.9
		P38	N/A	435	5488-1762-00	3.9
		R32	N/A	525	5432-2162-00	4.2
		P35	N/A	525	5485-2162-00	4.3
		R38	N/A	525	5438-2162-00	4.5
		P38	N/A	525	5488-2162-00	4.5

FIGURE 18 - ATLAS COPCO

COP1440, COP1550, 1838HD (D=52MM)		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	525	5432-2163-00	5.7
		P35	N/A	525	5485-2163-00	5.9
		P38	N/A	525	5488-2163-00	6
		P45	N/A	525	5495-2163-00	6.2
		P51	N/A	525	5499-2163-00	6.5

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FIGURE 19 - ATLAS COPCO

COP1838MUX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	730	5488-29221-00	9.5
P45	N/A	730	5495-29221-00	10

FIGURE 20 - ATLAS COPCO

COP 1838EX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	730	5488-29126-00	9.5
P45	N/A	730	5495-29126-00	10
P51	N/A	730	5499-29126-00	10.5

FIGURE 21 - ATLAS COPCO

COP 1850, 1840HE, 2150HE

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	565	5495-22127-00	6.8
P51	N/A	565	5499-22127-00	7.2
P51	N/A	770	5499-30127-00	10

FIGURE 22 - ATLAS COPCO

COP 2150/2550 (STRAIGHT SPLINE)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	770	5499-30227-00	10

FIGURE 23 - ATLAS COPCO

COP 1240/1640/1840/1850/2150/2550HEX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	770	5488-30129-00	10.5
P45	N/A	770	5495-30129-00	10.8
P51	N/A	770	5499-30129-00	11

FIGURE 23A - ATLAS COPCO

COP 2550UX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	770	5495-30243-00	13
P51	N/A	770	5499-30243-00	13

FIGURE 24 - ATLAS COPCO

COP 2160/2560 EXTRACTOR

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	770	5499-30204-00	13.2
CT60	N/A	770	5490-30204-00	13.5

FIGURE 25 - ATLAS COPCO

COP 3038

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	435	5488-17183-00	4.5
P45	N/A	435	5495-17183-00	4.8
P38	N/A	525	5488-21183-00	5.2

FIGURE 26 - ATLAS COPCO

COP 3038HE (HELICAL)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	435	5488-17224-00	4.5
P45	N/A	435	5495-17224-00	4.8
P38	N/A	525	5488-21224-00	5.2

FIGURE 26A - ATLAS COPCO

COP 3060MUX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P58	N/A	745	5458-29259-00	24
P68	N/A	745	5468-29259-00	24

FIGURE 26B - ATLAS COPCO

COP 3060MEX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	840	5499-33244-00	16
P68	N/A	840	5460-33244-00	17
CT60	N/A	840	5490-33244-00	17

FIGURE 27 - ATLAS COPCO

COP4050 MUX

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P58	N/A	835	5458-33199-00	27
P68	N/A	835	5468-33199-00	27.5

FIGURE 28 - BOART

HD65 (FEMALE)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32F	N/A	324	5432-13226-00	3.5

FIGURE 29 - BOART

HD65

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	445	5432-1868-00	4.5

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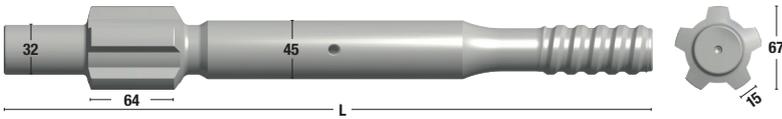
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FIGURE 30 - BOART

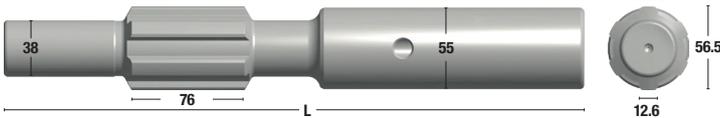
HD125, HD150



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	495	5432-2048-00	4.8
R38	N/A	495	5438-2048-00	5
P38	N/A	495	5488-2048-00	5

FIGURE 31 - CANNON

CH38 (JOYJH-2) (55MM BODY, FEM.)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38F	N/A	390	5488-15200-00	5

FIGURE 32 - CANNON

CH38 (JOYJH-2) (55MM BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	525	5495-21201-00	6

FIGURE 33 - CANNON

CH38 (JOYJH-2) (38MM BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	444	5488-17195-00	4

FIGURE 34 - JOY

JOY VCR260 /360



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	432	5488-1747-16	4

FIGURE 35 - DOOFOR

DF425/430S



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R25	N/A	400	5425-16210-00	3
R28	N/A	400	5428-16210-00	3

FIGURE 36 - DOOFOR

DF528, DF500S, DF530S



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	424	5432-17234-00	3.5

FIGURE 37 - DOOFOR

DF528HD, DF538S, DF538L



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	470	5432-19135-00	3.6
R38	N/A	470	5438-19135-00	3.8
P38	N/A	470	5488-19135-00	3.8

FIGURE 38 - DOOFOR

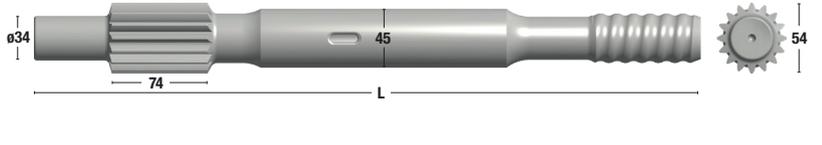
DF550S, DF550L, DF540L



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	515	5432-20233-00	4
R38	N/A	515	5438-20233-00	4.1
P38	N/A	515	5488-20233-00	4.1

FIGURE 39 - DOOFOR

DF545HD, DF560



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	515	5432-20236-00	5.1
R38	N/A	515	5438-20236-00	5.3
P38	N/A	515	5488-20236-00	5.3
P45	N/A	515	5495-20236-00	5.6

FIGURE 40 - DOOFOR

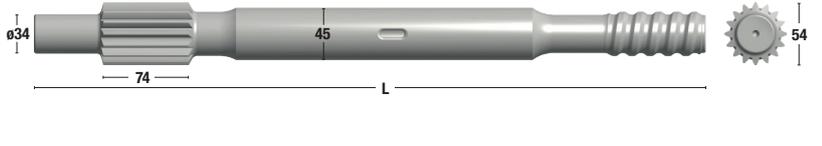
DF545EXT, DF550LEXT



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	582	5432-23237-00	4.8
R38	N/A	582	5438-23237-00	5
P38	N/A	582	5488-23237-00	5

FIGURE 41 - DOOFOR

DF545EXT HD, DF540L-BLT, DF560LEXT, DF560L-BLT



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	582	5432-23239-00	5.5
R38	N/A	582	5438-23239-00	5.7
P38	N/A	582	5488-23239-00	5.7
P45	N/A	582	5495-23239-00	5.9

FIGURE 41A - DOOFOR

DF800



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	560	5495-22252-00	9
P51	N/A	560	5499-22252-00	9

FIGURE 42 - FURUKAWA

PD200 (H/D CHUCK)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	14	381	5438-1514-14	3.7
P38	14	381	5488-1514-14	3.7
P45	14	381	5495-1514-14	3.9

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FIGURE 43 - FURUKAWA

HD90

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	512	5488-20107-00	4.3

FIGURE 44 - FURUKAWA

HD150

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	520	5438-21117-00	4
P38	N/A	520	5488-21117-00	4

FIGURE 45 - FURUKAWA

HD180

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	14	455	5488-1809-14	3.8

FIGURE 46 - FURUKAWA

HD190

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	480	5438-19109-00	4.5
P38	N/A	480	5488-19109-00	4.5

FIGURE 47 - FURUKAWA

HD210

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	N/A	430	5488-17215-00	3.8

FIGURE 48 - FURUKAWA

HD260, HD300

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	16	655	5488-2620-16	6
P45	16	655	5495-2620-16	6.5

FIGURE 49 - FURUKAWA

HD500 (6 SPLINE)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	16	625	5488-25148-16	8.3
P45	16	625	5495-25148-16	8.5

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FIGURE 50 - FURUKAWA

HD609	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	615	5488-2490-00	6.3
	P45	N/A	615	5495-2490-00	6.5
	P38	N/A	690	5488-2790-00	7
	P45	N/A	690	5495-2790-00	7.2

FIGURE 51 - FURUKAWA

HD609QED	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	860	5488-34132-00	9
	P45	N/A	860	5495-34132-00	9.2

FIGURE 52 - FURUKAWA

HD612	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	710	5495-28112-00	8.3
	P51	N/A	710	5499-28112-00	8.5

FIGURE 53 - FURUKAWA

HD612QED	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	900	5495-36134-00	11.2
	P51	N/A	900	5499-36134-00	11.4

FIGURE 54 - FURUKAWA

HD615	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P51	N/A	880	5499-35136-00	15

FIGURE 55 - FURUKAWA

HD615QED	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P51	N/A	880	5499-35139-00	15.4

FIGURE 56 - FURUKAWA

HD709	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	620	5495-24177-00	6.2

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FIGURE 57 - FURUKAWA

HD709QED

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	800	5495-31180-00	9.5

FIGURE 58 - FURUKAWA

HD712

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	590	5495-23161-00	7
P51	N/A	590	5499-23161-00	7.3
P45	N/A	790	5495-31161-00	9.9
P51	N/A	790	5499-31161-00	10.2

FIGURE 59 - FURUKAWA

HD712QED

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	880	5495-35164-00	12.7
P51	N/A	880	5499-35164-00	13.4

FIGURE 60 - FURUKAWA

HD715

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	790	5499-31167-00	12.7

FIGURE 61 - FURUKAWA

HD715QED

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	885	5499-35175-00	16

FIGURE 62 - INGERSOLL RAND

YD90M

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	10	330	5432-1333-10	3.0

FIGURE 63 - INGERSOLL RAND

YH65, 70, 75, 80

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	19	496	5488-2083-19	4.7
P45	19	496	5495-2083-19	4.9
P38	19	610	5488-2483-19	5.5
P45	19	610	5495-2483-19	5.7

FIGURE 64 - INGERSOLL RAND

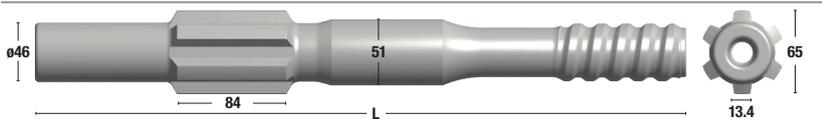
YH65RP, 80RP



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P38	19	700	5488-2892-19	8
P45	19	700	5495-2892-19	8.5

FIGURE 65 - INGERSOLL RAND

YH80A



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	19	500	5495-20114-19	6.4

FIGURE 66 - INGERSOLL RAND

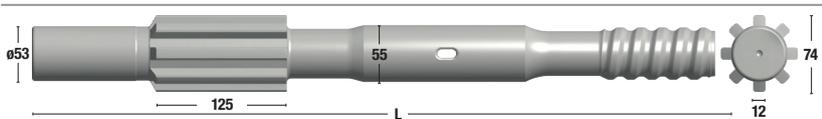
YH 95,100



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	22	622	5495-2584-22	8.8
P51	22	622	5499-2584-22	9

FIGURE 67 - INGERSOLL RAND

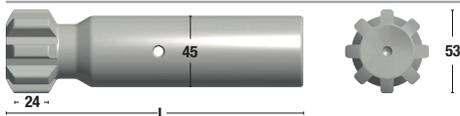
YH110VRP



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	900	5495-35104-00	11.8
P51	N/A	900	5499-35104-00	12

FIGURE 68 - MONTABERT

HC20 (D=45MM) FEM.



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32F	N/A	187	5432-07202-00	2.4

FIGURE 69 - MONTABERT

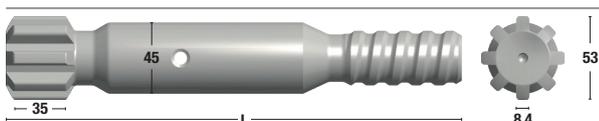
HC20 (D=45MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	287	5432-11194-00	2.2

FIGURE 70 - MONTABERT

HC25 (D=45MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	287	5432-11207-00	2.3
P35	N/A	287	5485-11207-00	2.4
R38	N/A	287	5438-11207-00	2.5
P38	N/A	287	5488-11207-00	2.5

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FIGURE 71 - MONTABERT

HC25 (D=45MM) FEM.

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	202	5432-08208-00	2.6

FIGURE 72 - MONTABERT

HC40/HC50 (D=38MM)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	381	5432-1564-00	3
P35	N/A	381	5485-1564-00	3.2
R38	N/A	381	5438-1564-00	3.3
P38	N/A	381	5488-1564-00	3.3
R32	N/A	438	5432-1764-00	3.5
P35	N/A	438	5485-1764-00	3.6
R38	N/A	438	5438-1764-00	3.7
P38	N/A	438	5488-1764-00	3.7

FIGURE 73 - MONTABERT

HC40 FEMALE (D=45MM)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	270	5432-1099-00	2.6

FIGURE 74 - MONTABERT

HC80, HC90, HC105 (D=38MM)

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	440	5438-1756-00	4
P38	N/A	440	5488-1756-00	4
R38	N/A	508	5438-2056-00	4.3
P38	N/A	508	5488-2056-00	4.3

FIGURE 74A - MONTABERT

HC95LA

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	438	5438-17238-00	5.5
P38	N/A	438	5488-17238-00	5.5
P45	N/A	453	5495-18238-00	5.8

FIGURE 74B - MONTABERT

HC95LM

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	503	5432-20240-00	5.9
R38	N/A	503	5438-20240-00	6.1
P38	N/A	503	5488-20240-00	6.1
P45	N/A	518	5495-20240-00	6.2

FIGURE 74C - MONTABERT

HC95LQ	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	518	5495-20241-00	6.5
	P51	N/A	530	5499-21241-00	6.9

FIGURE 75 - MONTABERT

HC80, HC110, HC120 (D=45MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R38	N/A	415	5438-1657-00	4.5
	P38	N/A	415	5488-1657-00	4.5
	P45	N/A	425	5495-1757-00	5.5
	R38	N/A	460	5438-1857-00	5.8
	P38	N/A	460	5488-1857-00	5.8
	R38	N/A	490	5438-1957-00	6
	P38	N/A	490	5488-1957-00	6
	P45	N/A	490	5495-1957-00	6.2
	R38	N/A	530	5438-2157-00	6.5
	P38	N/A	530	5488-2157-00	6.5
	P45	N/A	530	5495-2157-00	6.7

FIGURE 76 - MONTABERT

HC80R, HC105R, HC107R, HC108R, HC109R, HC110R, HC120R (D=45MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P35	N/A	670	5485-2795-00	7.3
	P38	N/A	670	5488-2795-00	7.4
	P45	N/A	670	5495-2795-00	8.2
	P45	N/A	770	5495-3095-00	9.2

FIGURE 77 - MONTABERT

HC120R, HC150R, HC155R, HC158R (D=51MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	670	5495-27131-00	9.7
	P51	N/A	670	5499-27131-00	9.9
	P45	N/A	770	5495-30131-00	11
	P51	N/A	770	5499-30131-00	11.1

FIGURE 78 - MONTABERT

HC160, 170	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	807	5495-32152-00	15
	P51	N/A	807	5499-32152-00	15.1
	CT60	N/A	807	5490-32152-00	15.3

FIGURE 79 - MONTABERT

HC200A	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P51	N/A	840	5499-33133-00	16.4
	P60	N/A	840	5460-33133-00	16.6
	CT60	N/A	840	5490-33133-00	16.6

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FIGURE 80 - TAMROCK / SANDVIK

HL300S FEM.	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	245	5432-1096-00	2.6

FIGURE 81 - TAMROCK / SANDVIK

HL300	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	400	5432-1612-00	2.6
	R32	N/A	500	5432-2012-00	3.1

FIGURE 82 - TAMROCK / SANDVIK

L400, L410, L500, L510	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	10	381	5432-1519-10	2

FIGURE 83 - TAMROCK / SANDVIK

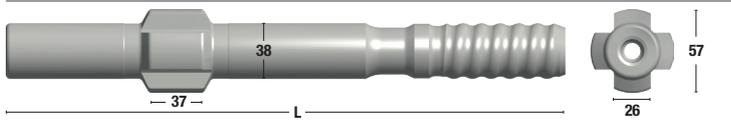
HLR438, L550	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R38	12	381	5438-1535-12	4
	P38	12	381	5488-1535-12	4

FIGURE 84 - TAMROCK / SANDVIK

HL438TS, HL538	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R38	N/A	450	5438-1835-00	4.4
	P38	N/A	450	5488-1835-00	4.4
	R32	N/A	495	5432-2035-00	4.7
	R38	N/A	495	5438-2035-00	4.8
	P38	N/A	495	5488-2035-00	4.8

FIGURE 85 - TAMROCK / SANDVIK

HL500 S, HL510 S (D=38MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	450	5432-1881-00	3.8
	R38	N/A	450	5438-1881-00	3.9
	P38	N/A	450	5488-1881-00	3.9
	P38	N/A	500	5488-2081-00	4.2
	P38	N/A	550	5488-2281-00	4.5

FIGURE 86 - TAMROCK / SANDVIK

HL500, HL510 (D=45MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	550	5432-22128-00	5.1
	P35	N/A	550	5485-22128-00	5.3
	P38	N/A	550	5488-22128-00	5.3
	P45	N/A	550	5495-22128-00	5.5

FIGURE 87 - TAMROCK / SANDVIK

HL500 (FEM.)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	350	5432-1481-00	3.9

FIGURE 88 - TAMROCK / SANDVIK

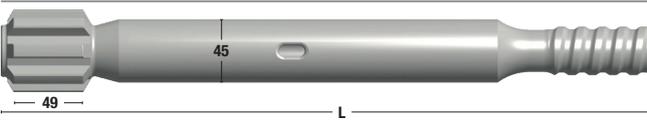
HL550 SUPER, 560 SUPER	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P35	N/A	460	5485-1882-00	4.9
	R38	N/A	460	5438-1882-00	5
	P38	N/A	460	5488-1882-00	5
	P35	N/A	500	5485-2082-00	5.2
	R38	N/A	500	5438-2082-00	5.3
	P38	N/A	500	5488-2082-00	5.3
	P45	N/A	500	5495-2082-00	5.5

FIGURE 89 - TAMROCK / SANDVIK

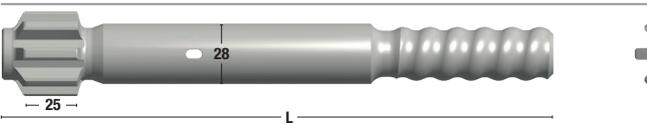
HLX1	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R25	N/A	255	5425-10231-00	1.1
	R28	N/A	255	5428-10231-00	1.1

FIGURE 90 - TAMROCK / SANDVIK

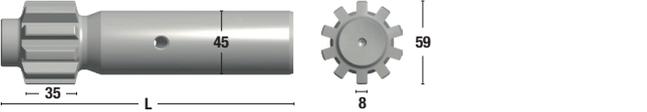
RD314 (FEM.)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	205	5432-08223-00	2.1

FIGURE 91 - TAMROCK / SANDVIK

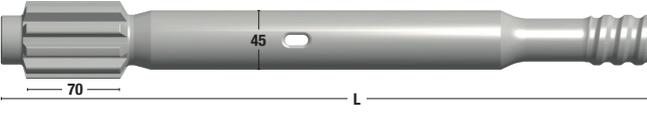
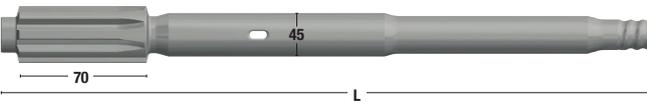
RD520/RD525	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	525	5488-21228-00	5.6
	P35	N/A	600	5485-24228-00	6.6
	P38	N/A	600	5488-24228-00	6.7
	P35	N/A	745	5485-29228-00	7.4
	P38	N/A	745	5488-29228-00	7.5

FIGURE 91A - TAMROCK / SANDVIK

RD520/RD525-PE	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	745	5432-29232-00	7
	P35	N/A	745	5485-29232-00	7.5
	P38	N/A	745	5488-29232-00	7.7

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FIGURE 92 - TAMROCK / SANDVIK

HLX5/HFX5T	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	500	5432-20150-00	5
	P35	N/A	500	5485-20150-00	5.1
	R38	N/A	500	5438-20150-00	5.2
	P38	N/A	500	5488-20150-00	5.2
	P45	N/A	500	5495-20150-00	5.5
	R32	N/A	575	5432-23150-00	5.5
	P35	N/A	575	5485-23150-00	5.6
	P38	N/A	575	5488-23150-00	5.7
	P45	N/A	575	5495-23150-00	5.9
	P35	N/A	720	5485-28150-00	6.6
	P38	N/A	720	5488-28150-00	6.7

FIGURE 92A - TAMROCK / SANDVIK

HLX5/PE-45	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	R32	N/A	575	5432-23213-00	6.2
	P38	N/A	575	5488-23213-00	6.4
	R32	N/A	720	5432-28213-00	7.2
	P38	N/A	720	5488-28213-00	7.4

FIGURE 93 - TAMROCK / SANDVIK

HL600 (D=45MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	525	5488-2167-00	6
	P45	N/A	525	5495-2167-00	6.4
	P38	N/A	600	5488-2467-00	6.5
	P45	N/A	600	5495-2467-00	6.9

FIGURE 94 - TAMROCK / SANDVIK

HL600 (D=52MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P45	N/A	650	5495-2697-00	8.3
	P51	N/A	650	5499-2697-00	8.6

FIGURE 95 - TAMROCK / SANDVIK

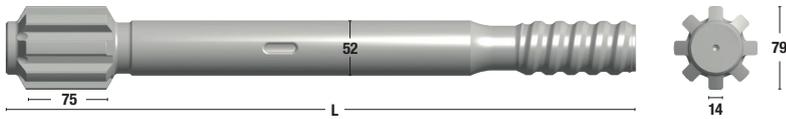
HL700/HL710/HL800T/HF810T/HL650 (D=45MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	600	5488-24120-00	7
	P45	N/A	600	5495-24120-00	7.2

FIGURE 96 - TAMROCK / SANDVIK

HL700, HL710, HL800, HF810, HL650, HL810 (D=52MM)	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	P38	N/A	600	5488-24125-00	8
	P45	N/A	600	5495-24125-00	8.2
	P51	N/A	600	5499-24125-00	8.5

FIGURE 97 - TAMROCK / SANDVIK

HL1000, HL1010, HL1010S (D=52MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P45	N/A	590	5495-2360-00	9.3
P51	N/A	590	5499-2360-00	9.5
P45	N/A	670	5495-2660-00	10
P51	N/A	670	5499-2660-00	10.2

FIGURE 98 - TAMROCK / SANDVIK

HL1000, HL1010 (D=60MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	670	5499-26162-00	12.7
P60	N/A	670	5460-26162-00	12.7
CT60	N/A	670	5490-26162-00	13

FIGURE 99 - TAMROCK / SANDVIK

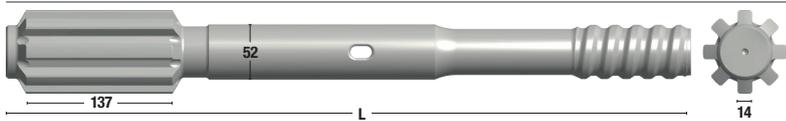
HL1000 (80MM), HL1010 (SHOULDER DRIVE)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P58	N/A	635	5458-25110-00	18.4
P68	N/A	635	5468-25110-00	18.4

FIGURE 100 - TAMROCK / SANDVIK

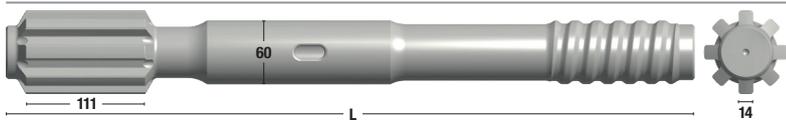
HL1000 EXTRACTOR (D=52MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	840	5499-33101-00	16

FIGURE 101 - TAMROCK / SANDVIK

HL1500 (D=60MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	760	5499-30140-00	16
P60	N/A	760	5460-30140-00	16.4
CT60	N/A	760	5490-30140-00	16.4

FIGURE 102 - TAMROCK / SANDVIK

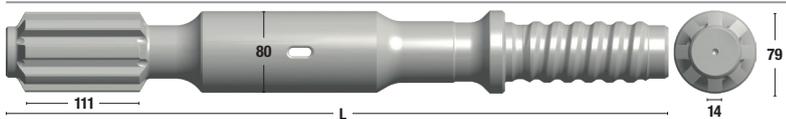
HL1500 (D=80MM) (SHOULDER DRIVE)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P58	N/A	635	5458-25158-00	17.6
P68	N/A	635	5468-25158-00	18.2

FIGURE 103 - TAMROCK / SANDVIK

HL1500 (D=80MM) (SHOULDER DRIVE W/COLLAR)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
CT60	N/A	760	5490-30158-00	19.5

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FIGURE 104 - TAMROCK / SANDVIK

HL1500PE, 1000PE, 1560T (D=65MM)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	760	5499-30166-00	16.3
P60	N/A	760	5460-30166-00	17
CT60	N/A	760	5490-30166-00	17

FIGURE 104A - TAMROCK / SANDVIK

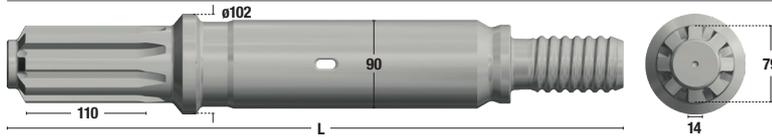
RD900-PE65, RD926/927



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P51	N/A	670	5499-26256-00	13.5
P60	N/A	670	5460-26256-00	15
CT60	N/A	670	5490-26256-00	15

FIGURE 105 - TAMROCK / SANDVIK

HL1500 SPE-90



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
P58	N/A	635	5458-25188-00	22
P68	N/A	635	5468-25188-00	22
CT60	N/A	760	5490-30188-00	25

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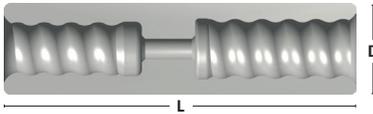
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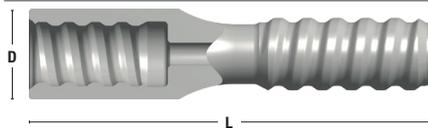
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CONVERSION COUPLINGS



DIA (D) MM	LENGTH (L) MM	THREAD	CAT. NUMBER
43mm (1 5/8")	159mm (6 1/4")	R25/R28	5525-2800
45mm (1 3/4")	159mm (6 1/4")	R25/R32	5525-3200
55mm (2 1/8")	159mm (6 1/4")	R32/R38	5532-3800
55mm (2 1/8")	159mm (6 1/4")	R32/P38	5532-8800
55mm (2 1/8")	194mm (7 5/8")	R35/P38	5535-8800
55mm (2 1/8")	194mm (7 5/8")	P38/R38	5588-3800
63.5mm (2 1/2")	199mm (7 7/8")	P38/P45	5588-9500
72mm (2 13/16")	234mm (9 1/8")	P45/P51	5595-9900
80mm (3 1/8")	250mm (9 7/8")	P51/P60	5599-6000

BIT ADAPTORS



DIA (D) MM	LENGTH (L) MM	THREAD	CAT. NUMBER
45mm (1 3/4")	187mm (7 3/8")	R32 FEMALE / R25 MALE	5500-3225
55mm (2 1/8")	216mm (8 1/2")	R38 FEMALE / P38 MALE	5500-3888
54mm (2 1/8")	203mm (8")	P38 FEMALE / R32 MALE	5500-8832
55mm (2 1/8")	216mm (8 1/2")	R38 FEMALE / R32 MALE	5500-3832
63.5mm (2 1/2")	238mm (9 3/8")	P45 FEMALE / P38 MALE	5500-9588
64mm (2 1/2")	280mm (11")	P51 FEMALE / P45 MALE	5500-9995
80mm (3 1/8")	330mm (13")	P60 FEMALE / P51 MALE	5500-6099
39mm (1 1/2")	187mm (7 3/8")	R25 FEMALE / R32 MALE	5500-2532
45mm (1 3/4")	187mm (7 3/8")	R28 FEMALE / R32 MALE	5500-2832
45mm (1 3/4")	216mm (8 1/2")	R32 FEMALE / R38 MALE	5500-3238
45mm (1 3/4")	216mm (8 1/2")	R32 FEMALE / P38 MALE	5500-3288
55mm (2 1/8")	216mm (8 1/2")	P38 FEMALE / R38 MALE	5500-8838
55mm (2 1/8")	280mm (11")	P38 FEMALE / P45 MALE	5500-8895
64mm (2 1/2")	280mm (11")	P45 FEMALE / P51 MALE	5500-9599
76mm (3")	280mm (11")	P51 FEMALE / CT60 MALE	5500-9990
82mm (3 1/4")	330mm (13")	P60 FEMALE / CT60 MALE	5500-6090
82mm (3 1/4")	330mm (13")	CT60 FEMALE / P60 MALE	5500-9060
82mm (3 1/4")	280mm (11")	CT60 FEMALE / P51 MALE	5500-9099
87mm (3 3/8")	330mm (13")	P68 FEMALE / P58 MALE	5500-6858

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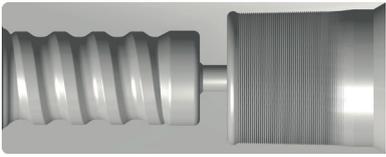
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GUIDE ADAPTORS



THREAD	CAT. NUMBER
P38F / P38M	5505-8888
P45F / P45M	5505-9595
P51F / P51M	5505-9999

FISHING TOOLS - COUPLING RECOVERY



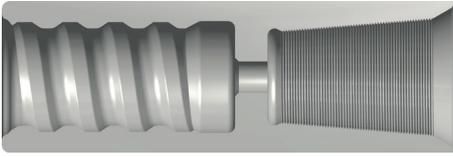
THREAD	CAT. NUMBER
R25	5910-2501
R32	5910-3201
R38	5910-3801
P38	5910-8801
P45	5910-9501
P51	5910-9901
P60	5910-6001

FISHING PIKES



THREAD	CAT. NUMBER
P58	5910-5804
P68	5910-6804
P35	5910-8504
P38	5910-8804
P45	5910-9504
P51	5910-9904
CT60	5910-9004

ROD RECOVERY



THREAD	CAT. NUMBER
R25	5910-2502
R32	5910-3202
R38	5910-3802
P38	5910-8802
P45	5910-9502
P51	5910-9902

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GAUGES

BIT GRINDING GAUGE



BUTTON BIT GRINDING GAUGE



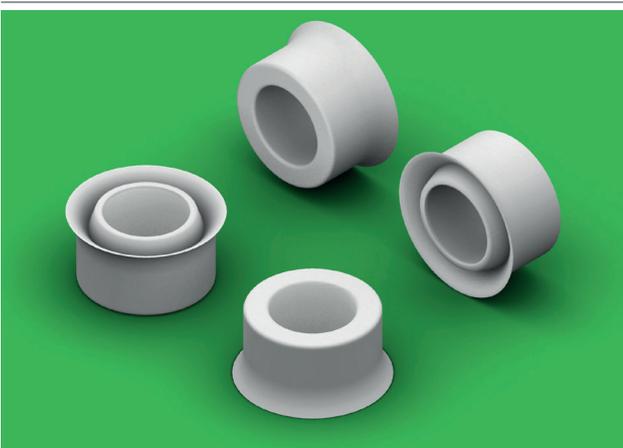
DESCRIPTION	CAT. NUMBER
CROSS, x BITS & STEMS	5940-1100
BUTTON BIT	5940-0900

ROD SPANNER



DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
25mm (1") ACROSS FLATS HEX	5930-0250	8.8
32mm (1¼") HEX & 38mm (1½") RND	5930-0320	8.8
38mm (1½") ACROSS FLATS HEX	5930-0380	8.8

SEALS



DESCRIPTION	CAT. NUMBER
5mm (3/16")	5970-0500
8mm (5/16")	5970-0800
10mm (3/8")	5970-1000
11mm (7/16")	5970-1100
12mm (1/2")	5970-1200
14mm (9/16")	5970-1400
16mm (5/8")	5970-1600
19mm (3/4")	5970-1900
22mm (7/8")	5970-2200
25mm (1")	5970-2500
32mm (1 1/4")	5970-3200

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CATALOGUE NUMBER	WEIGHT KG	PAGE NO.
4202-		
4202-0332	0.3	6
4202-0335	0.3	6
4202-0338	0.4	6
4202-0341	0.4	6
4203-		
4203-0332	0.3	7
4203-0335	0.3	7
4203-0338	0.4	7
4203-0341	0.4	7
4203-0345	0.5	7
4203-0348	0.6	7
4203-0351	0.6	7
4250-		
4250-2526	1.9	16
4250-2826	1.9	16
4250-3226	1.9	16
4250-3232M	2.4	16
4250-3240	2.4	16
4250-3535M	2.4	16
4250-3540	2.4	16
4625-		
4625-0835	0.4	8
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4625-0838	0.45	8
4625-0838	0.45	18
4625-0841	0.5	8
4625-0841	0.5	18
4625-0845	0.7	8
4625-0845	0.7	18
4628-		
4628-0838	0.45	8
4628-0841	0.5	8
4628-0845	0.7	8
4628-0848	0.9	8
4700-		
4700-1364	0.9	5
4700-1364	0.9	16
4700-1376	1.2	5
4700-1376	1.2	16
4700-1389	1.7	5
4700-1389	1.7	16
4700-1602	2.6	16
4700-1627	4	16
4700-1689	1.7	16
4702-		
4702-2032	0.3	6
4702-2035	0.3	6
4702-2038	0.4	6
4702-2041	0.4	6
4702-2043	0.5	6
4702-2045	0.6	6
4703-		
4703-2032	0.3	7
4703-2035	0.3	7
4703-2038	0.4	7
4703-2041	0.4	7
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4725-1038	0.5	18

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4728-2043	0.7	8
4728-2045	0.8	8
4732-		
4732-1045	0.7	11
4732-1048	0.8	11
4732-1048	0.9	20
4732-1051	0.9	11
4732-1051	1.1	20
4732-2041	0.6	11
4732-2043	0.65	11
4732-2045	0.7	11
4732-2048	0.8	11
4732-2048	0.9	20
4732-2051	1	11
4732-2051	1.1	20
4732-2054	1.2	11
4732-2054	1.2	20
4732-2057	1.4	11
4732-2057	1.4	20
4732-2064	1.6	11
4732-2064	1.6	20
4732-2076	2.2	11
4732-2076	2.2	20
4732-2143	0.7	11
4732-2145	0.8	11
4732-2148	0.9	11
4732-2151	1.0	11
4732-3043	0.65	11
4732-3045	0.7	11

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4732-3048	0.8	11
4732-3048	0.9	20
4732-3051	1	11
4732-3051	1.1	20
4732-3054	1.2	11
4732-3054	1.2	20
4732-3057	1.4	11
4732-3057	1.4	20
4732-3064	1.6	11
4732-3064	1.6	20
4732-3251	1.3	12
4732-3251	1.3	20
4732-3254	1.5	12
4732-3254	1.4	20
4732-3257	1.7	12
4732-3257	1.7	20
4732-3264	2	12
4732-3264	1.9	20
4732-4064	1.6	12
4732-4064	1.6	20
4732-5002	3.7	17
4732-5076	2.3	17
4732-5089	2.9	17
4732-5202-38	3.7	17
4732-5276-38	2.3	17
4732-5289-38	2.9	17
4735-		
4735-2048	0.8	11
4735-2051	1	11
4735-2054	1.2	11
4735-2057	1.4	11
4735-2064	1.6	11
4735-2076	2.2	11
4735-2148	0.9	11
4735-2151	1	11
4735-3048	0.8	11
4735-3051	1	11
4735-3054	1.2	11
4735-3057	1.4	11
4735-3064	1.6	11
4735-3251	1.3	12
4735-3254	1.5	12
4735-3257	1.7	12
4735-3264	2	12
4735-4064	1.6	12
4735-5002	3.7	17
4735-5076	2.3	17
4735-5089	2.9	17
4735-5202-38	3.7	17
4735-5215-38	4.3	17
4735-5227-38	5.3	17
4735-5276-38	2.3	X
4735-5289-38	2.9	17
4758-		
4758-3002	6.6	39
4758-3015	8.5	39
4758-3027	12	39
4758-3092	4.4	39
4758-3202	7.6	39
4758-3215	9.5	39
4758-3227	13	39
4758-3292	5.2	39

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4758-4015	8.5	40
4758-4027	12	40
4758-4092	4.4	40
4758-4202	7.6	40
4758-4215	9.5	40
4758-4227	13	40
4758-4292	5.2	40
4758-5252-80	13	40
4760-		
4760-3002	5	33
4760-3015	6.4	33
4760-3027	7.8	33
4760-3092	4	33
4760-3202	6	33
4760-3215	7.7	33
4760-3227	9.2	33
4760-3292	4.8	33
4760-4002	5	34
4760-4015	6.4	34
4760-4027	7.8	34
4760-4092	4	34
4760-4202	6	34
4760-4215	7.7	34
4760-4227	9.2	34
4768-		
4768-3002	6.6	39
4768-3015	8.5	39
4768-3027	12	39
4768-3202	7.6	39
4768-3215	9.5	39
4768-3227	13	39
4768-4002	6.6	40
4768-4015	8.5	40
4768-4027	12	40
4768-4202	7.6	40
4768-4215	9.5	40
4768-4227	13	40
4785-		
4785-3048	0.9	22
4785-3051	1	22
4785-3054	1.2	22
4785-3057	1.4	22
4785-3064	1.6	22
4785-3076	2.2	22
4785-3254	1.5	22
4785-3257	1.7	22
4785-3264	2.2	22
4785-3276	2.8	22
4788-		
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4788-4276	2.8	24
4788-4289	3.6	24
4788-5227-51	8.8	24
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4790-		
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4790-3015	8.5	36
4790-3027	12	36
4790-3092	4.4	36
4790-3202	7.6	36
4790-3215	9.5	36
4790-3227	13	36
4790-3292	5.2	36
4790-4002	6.6	37
4790-4015	8.5	37
4790-4027	12	37
4790-4092	4.4	37
4790-4202	7.6	37
4790-4215	9.5	37
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4795-		
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4795-2076	2.7	27
4795-2089	4.1	27
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4795-2276	3.5	27
4795-2289	4.9	27
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4795-3015	6.2	28
4795-3076	2.7	28
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4795-3202	6.1	28
4795-3215	9.5	28
4795-3276	3.5	28
4795-3289	4.9	28
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4795-4015	6.2	29
4795-4076	2.7	29
4795-4089	4.1	29
4795-4202	6.1	29
4795-4215	9.5	29
4795-4276	3.5	29
4795-4289	4.9	29
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4795-5252-67	11.3	29
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4799-3027	7.2	28
4799-3089	4.1	28
4799-3202	6.1	28
4799-3215	9.5	28
4799-3227	10.5	28
4799-3289	4.9	28
4799-4002	5.2	29
4799-4015	6.2	29
4799-4027	7.2	29
4799-4089	4.1	29
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4799-4215	9.5	29
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5034-0209	3	6
5034-0212	4	6
5034-0218	5.8	6
5034-0221	6.8	6
5034-0224	7.6	6
5034-0231	9.6	6
5034-0236	11.6	6
5034-0240	12.8	6
5034-0306	2.1	7
5034-0309	3	7
5034-0312	4	7
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5034-0321	6.8	7
5034-0324	7.6	7
5034-0331	9.6	7
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5324-0635	2.4	4
5324-0641	2.4	4
5324-0833	3	4
5324-0834	3	4
5324-0840	3.1	4
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5324-1234	4.2	4
5324-1240	4.2	4
5324-1631	5.3	4
5324-1633	5.3	4
5324-1639	5.4	4
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5324-1839	6.1	4
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5324-5634	18.4	4
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5325-1427	5	5
5325-1632	5.4	5
5325-1927	6.5	5
5325-2427	8.1	5
5325-2828	9.1	5
5325-3028	9.9	5
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5354-0826	3.3	5
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5354-2426	7.9	5
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5425-2203-18	5.9	9
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5538-0001	1.5	14
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5588-0001	1.5	14
5588-0001	1.5	25
5588-3800	1.7	62
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5595-0001	2.5	30
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5599-0001	4	32
5599-0003	4.5	32
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5632-3215C	8.3	21
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5632-3236C	20.6	21
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5695-4531SH	33.1	30
5695-4536C	39.7	30
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5732-2525-31	12.2	10
5732-2525-37	14.6	10
5732-2525-43	17	10
5732-2828-25	12.7	10
5732-2828-26	13.6	10
5732-2828-28	14.5	10
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5788-3532-37DD	30.1	13
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5788-3532-61DD	48	13
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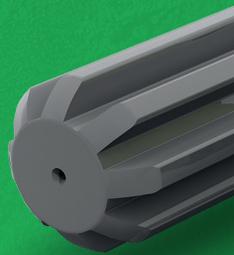
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5910-8504	1.2	63
5910-8801	4	63
5910-8802	3	63
5910-8804	1.5	63
5910-9004	10	63
5910-9501	4.5	63
5910-9502	3.5	63
5910-9504	2	63
5910-9901	5.5	63
5910-9902	4	63
5910-9904	3	63





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