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The UK's leading manufacturer of high quality tools for use in Rock Drilling, Quarrying, Mining, Tunnelling, Construction, Civil Engineering and Demolition Industries, **Worldwide.**

Rock Drilling Equipment

**EXCELLENCE
SINCE 1911**

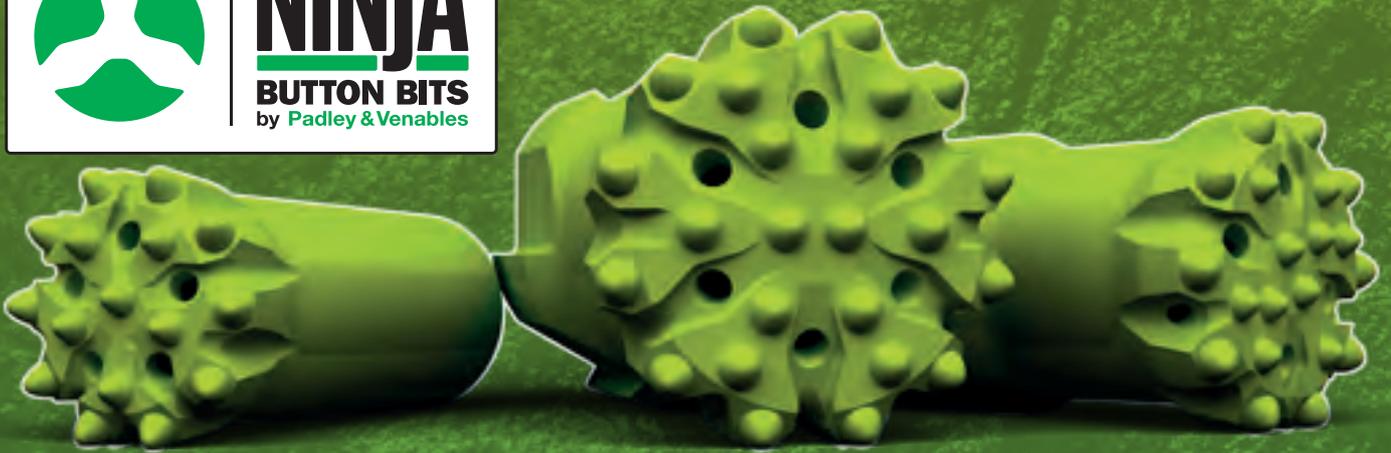


EXCELLENCE
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INTRODUCING OUR NEXT GENERATION BUTTON BIT



NINJA
BUTTON BITS
by Padley & Venables

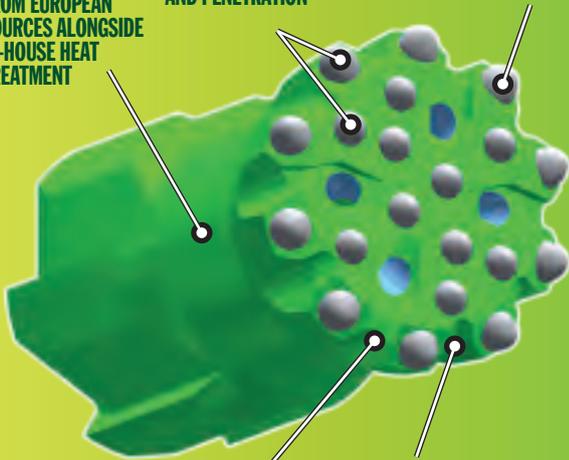


OPTIMISED FOR INCREASED LIFETIME IN ABRASIVE ROCK, THE NEW NINJA RANGE OFFERS ENHANCED CHIP EXTRACTION AND REMARKABLE WEAR PROPERTIES.
QUALITY TOOLS | MADE IN BRITAIN | PROVEN WORLDWIDE.

P&V ONLY USES THE HIGHEST QUALITY STEEL FROM EUROPEAN SOURCES ALONGSIDE IN-HOUSE HEAT TREATMENT

TIP LAYOUT AND STANDARD TIP SHAPES DESIGNED FOR MAXIMUM WEAR LIFE AND PENETRATION

P&V'S TUNGSTEN CARBIDE TIPS ARE ALL MANUFACTURED IN EUROPE OR THE U.S.



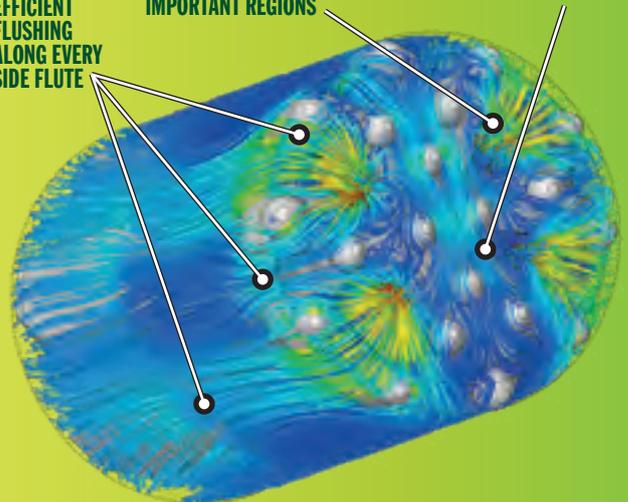
TRADEMARKED FACE GROOVES DESIGNED TO FORCE CUTTINGS AWAY FROM THE FACE

SIDE FLUSHING HOLES OPTIMALLY PLACED FOR SECONDARY FLUSHING

TRADEMARKED FLUSH DESIGN CREATES MAXIMUM PRESSURE IN THE MOST IMPORTANT REGIONS

NO TYPICAL DEAD ZONE ACROSS THE FACE CAUSING OVER-DRILLED CUTTINGS

EFFICIENT FLUSHING ALONG EVERY SIDE FLUTE



AVERAGE FLUSHING VOLUME AROUND EACH TIP INCREASED BY OVER 35% FROM A TYPICAL BIT DESIGN

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Rock Drilling Equipment

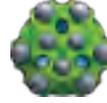
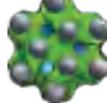
TECHNICAL INFORMATION

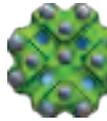
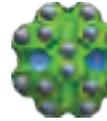
BIT CHOICE

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 forty 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:

TUNNELING & DRIFTING - BIT DESCRIPTOR						
Type Face Design	Cross Flush Code 20	Flat Face 7G Code 14	Flat Face 5G Code 20	Flat Face 6G Code 21	 Ninja Code 30	
Face Configuration						
Rock Hardness	Hard	✓	✓	✓	✓	
	Medium	✓	✓	✓	✓	
	Soft	✓			✓	
Description	Aggressive face design focusing on rapid penetration rates.	Innovative face design focussing on reducing tip shear.	Robust face design focusing on button bit longevity.	Versatile face design providing good penetration rates and wear resistance.	Versatile face design providing good performance in any ground conditions.	

BENCH & LONG HOLE DRILLING - BIT DESCRIPTOR						
Type Face Design	Flat Face Code 20	 Ninja Code 30	Drop Centre Code 40	XDC Code 44		
Face Configuration						
Rock Hardness	Hard	✓	✓	✓	✓	
	Medium	✓	✓	✓	✓	
	Soft			✓	✓	
Description	Robust face design, focusing on button bit longevity.	Aggressive face design focusing on rapid penetration rates.	Versatile face design focusing on reducing hole deviation.	Innovative face design focusing on flushing ability and reducing hole deviation.	Aggressive face design focusing on rapid penetration rates.	

- Add 2 digits to the face code for a retrac version ex. Code 44 becomes Code 46 with a retrac skirt.
- The face designs shown above are purely examples and vary based on bit diameter.

Retrac Body

Retrac Body is available on Bit diameters of ø51mm upwards. The Retrac design helps drill straighter holes and facilitates Bit removal from the hole.

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.

<p>Spherical </p> <p>Spherical Carbides for use in medium to hard rock, with fractured or seamy applications.</p>	<p>Paraboloid </p> <p>Semi-ballistic shaped, more aggressive than the Spherical Carbides, for soft to medium consistent rock.</p>	<p>Ballistic </p> <p>Bullet shaped, very aggressive fast penetration in soft to medium consistent rock.</p>	<p>Conical </p> <p>Conical shaped, for use in soft to medium rock hardness, more aggressive with faster penetration rates.</p>
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TECHNICAL INFORMATION

CATALOGUE NUMBER EXPLANATION

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TUNNEL ROD CATALOGUE NUMBERING SYSTEM

The first two digits denote the product group and/or body section

- 56 = ROUND BODY
- 57 = HEXAGON BODY
- 58 = ROUND BODY (M/F)

The fifth and sixth digits denote the body section size in mm

- 25 = 25mm BODY SECTION

Letter suffixes are used to denote special features

- D = DOUBLE THREAD
- MF = MALE/FEMALE ROD (HEX OR TUBE RODS)
- SH = SKIN HARDENED
- DD = DUAL DRIVE

57 32 - 25 25 - 37 DD

The third and fourth digits denote the shank end thread

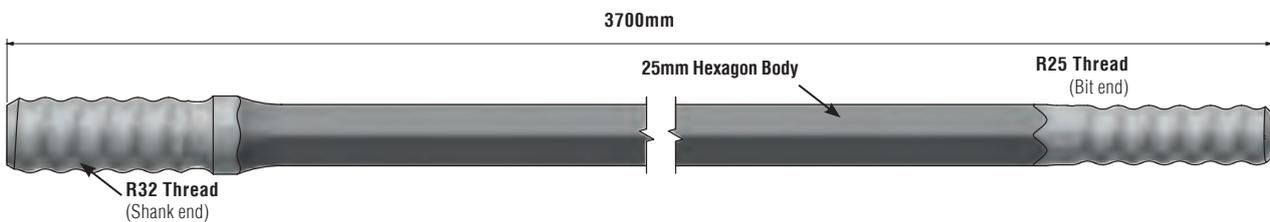
- 25 = R25 THREAD
- 27 = PR27 THREAD
- 32 = R32 THREAD
- 34 = PR34 THREAD
- 35 = R35 THREAD
- 38 = R38 THREAD
- 85 = T35 THREAD
- 88 = T38 THREAD

The seventh and eighth digits denote the bit end thread (see shank end chart for codes)

- 25 = R25 THREAD

The ninth and tenth digits denote the length in mm

- 37 = 3700mm LONG



Example; Hexagon steel, R32 shank thread, 25mm hexagon body, R25 bit thread, 3700mm long
Catalogue Number - 5732-2525-37

EXTENSION ROD CATALOGUE NUMBERING SYSTEM

The first two digits denote the product group and/or body section

- 56 = ROUND BODY
- 57 = HEXAGON BODY
- 58 = ROUND BODY (M/F)

The fifth and sixth digits denote the body section size in mm

- 61 = 60.5mm BODY SECTION

Letter suffixes are used to denote special features

- D = DOUBLE THREAD
- MF = MALE/FEMALE ROD (HEX OR TUBE RODS)
- SH = SKIN HARDENED
- DD = DUAL DRIVE
- C = CARBURISED
- SF = SPANNER FLATS

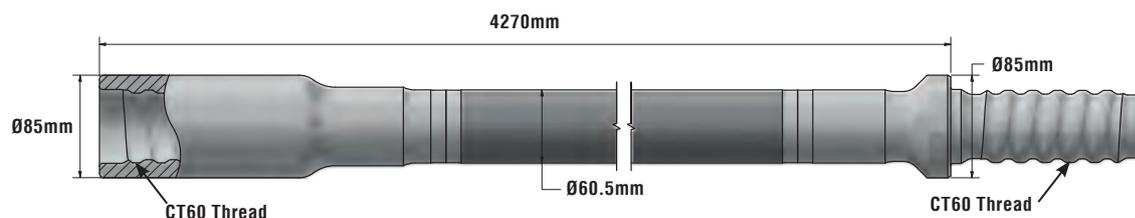
58 91 - 61 43 MF

The third and fourth digits denote the thread type

- 25 = R25 THREAD
- 32 = R32 THREAD
- 35 = R35 THREAD
- 38 = R38 THREAD
- 85 = T35 THREAD
- 88 = T38 THREAD
- 95 = T45 THREAD
- 99 = T51 THREAD
- 44 = ST45 THREAD
- 58 = ST58 THREAD
- 68 = ST68 THREAD
- 90 = CT60 THREAD (82mm CUP)
- 91 = CT60 THREAD (85mm CUP)
- 92 = T60 THREAD

The seventh and eighth digits denote the length in mm

- 43 = 4270mm LONG



Example; Round body M/F rod, CT60 thread, 85mm female end O/D, 60.5mm body section, 4270mm effective length
Catalogue number - 5891-6143MF

TECHNICAL INFORMATION

CATALOGUE NUMBER EXPLANATION

DRILL BIT CATALOGUE NUMBERING SYSTEM

The third and fourth digits denote the thread type

- | | |
|------------------------------------|------------------|
| 00 = 6° & 12° TAPER (REAMING BITS) | 85 = T35 THREAD |
| 02 = 22 X 7° TAPER | 88 = T38 THREAD |
| 03 = 22 X 12° TAPER | 95 = T45 THREAD |
| 25 = R25 THREAD | 99 = T51 THREAD |
| 32 = R32 THREAD | 44 = ST45 THREAD |
| 35 = R35 THREAD | 58 = ST58 THREAD |
| 38 = R38 THREAD | 68 = ST68 THREAD |
| 27 = PR27 THREAD | 90 = CT60 THREAD |
| 34 = PR34 THREAD | 92 = T60 THREAD |

The seventh and eighth digits denote the head diameter in mm (sizes above 100mm have the first digit omitted)

27 = 127mm DIAMETER

The ninth digit denotes the button type (if applicable)

- S = SPHERICAL
- P = PARABOLIC
- B = BALLISTIC
- C = CONICAL

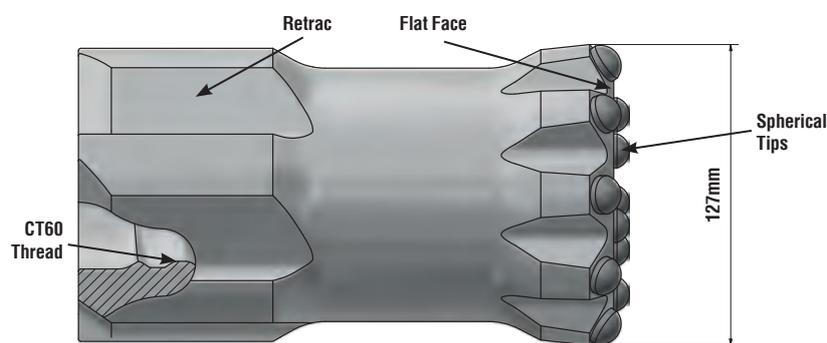
47 90 - 22 27 S

The first two digits denote the product group

47 = DRILL BITS

The fifth and sixth digits denote the bit type

- 02 = SINGLE USE TAPER CROSS
 - 03 = STANDARD DUTY CROSS BIT
 - 04 = 'X' BIT
 - 08 = HEAVY DUTY CROSS BIT
 - 09 = STANDARD, FS (DOMINO TYPE)
 - 10 = X FACE (CROSS FACE GROOVES)
 - 12 = X FACE RETRAC (CROSS FACE GROOVES)
 - 20 = HEAVY DUTY, FLAT FACE
 - 21 = HEAVY DUTY, FLAT FACE, SIDE FLUSH
 - 22 = HEAVY DUTY, FLAT FACE, RETRAC
 - 23 = HEAVY DUTY, FLAT FACE, RETRAC, SIDE FLUSH
 - 30 = NINJA
 - 31 = HEAVY DUTY, NINJA
 - 32 = NINJA, RETRAC
 - 33 = HEAVY DUTY, NINJA, RETRAC
 - 40 = DROP CENTRE, HD
 - 41 = DROP CENTRE, HD, SIDE FLUSHING
 - 42 = DROP CENTRE, HD, RETRAC
 - 43 = DROP CENTRE, HD, RETRAC, SIDE FLUSHING
 - 44 = XDC, EXTREME DROP CENTRE
 - 46 = XDC, EXTREME DROP CENTRE, RETRAC
 - 50 = REAMER BIT CONE DESIGN, RETRO (MUSHROOM/DOMED)
 - 52 = REAMER/PILOT BIT (ALL IN ONE)
- NB: ADD -RF SUFFIX FOR REVERSE FLUSHING



Example; 127mm head diameter, flat face, retrac, CT60 thread, spherical tips
Catalogue number - 4790-2227S

DRILL BIT (REAMER VERSION) CATALOGUE NUMBERING SYSTEM

The first two digits denote the product group

47 = DRILL BITS

The seventh and eighth digits denote the head diameter in mm (sizes above 100mm have the first digit omitted)

02 = 102mm DIAMETER

The ninth and tenth digits denote the diameter of the reamer section in mm

38 = 38mm DIAMETER

The third and fourth digits denote the thread type

- | | | |
|------------------------------------|------------------|------------------|
| 00 = 6° & 12° TAPER (REAMING BITS) | 38 = R38 THREAD | 95 = T45 THREAD |
| 25 = R25 THREAD | 27 = PR27 THREAD | 99 = T51 THREAD |
| 32 = R32 THREAD | 34 = PR34 THREAD | 44 = ST45 THREAD |
| 35 = R35 THREAD | 85 = T35 THREAD | 58 = ST58 THREAD |
| | 88 = T38 THREAD | 68 = ST68 THREAD |

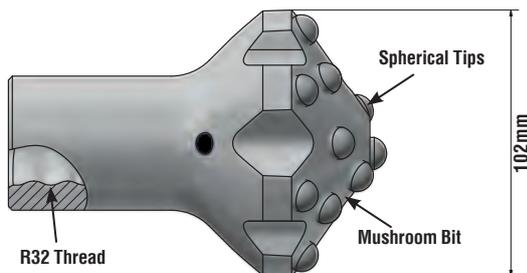
47 32 - 52 02 - 38 S

The eleventh digit denotes the button type (if applicable)

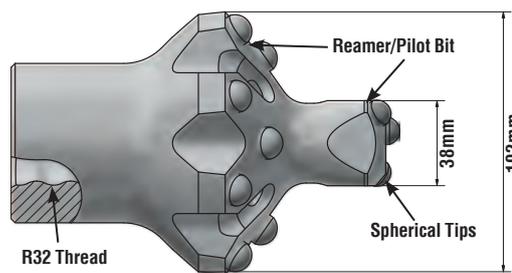
- S = SPHERICAL
- P = PARABOLIC
- B = BALLISTIC

The fifth and sixth digits denote the bit type

- 50 = REAMER BIT CONE DESIGN, RETRO (MUSHROOM/DOMED)
 - 52 = REAMER/PILOT BIT (ALL IN ONE)
- NB: ADD -RF SUFFIX FOR REVERSE FLUSHING



Example 1; retro/mushroom bit, 102mm head dia, R32 thd, Spherical tips Catalogue number - 4732-5002S



Example 2; reamer/pilot bit, 102mm head dia, 38mm ream dia, R32 thd, spherical tips Catalogue number - 4732-5202S-38S

TECHNICAL INFORMATION

CATALOGUE NUMBER EXPLANATION

COUPLING CATALOGUE NUMBERING SYSTEM

The first two digits denote the product group

55 = COUPLINGS

The fifth and sixth digits are only used in the case of conversion couplings to define the second thread size otherwise classified as 00

00 = NON CONVERSION COUPLING

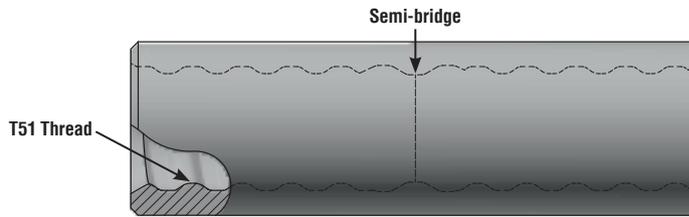
The seventh and eighth digits denote the coupling type

- 01 = SEMI-BRIDGE
- 02 = FULL-BRIDGE
- 03 = SEMI-BRIDGE (HEAVY DUTY)
- 05 = GUIDE
- 06 = SHORT THREAD
- 07 = SEMI-BRIDGE (THIN WALL)
- 10 = RECOVERY TOOLS

The third and fourth digits denote the shank end thread

- 25 = R25 THREAD
- 32 = R32 THREAD
- 38 = R38 THREAD
- 85 = T35 THREAD
- 88 = T38 THREAD
- 95 = T45 THREAD
- 99 = T51 THREAD

55 99 - 00 01



Example; T51, Semi-bridge
Catalogue Number - 5599-0001

SHANK ADAPTER CATALOGUE NUMBERING SYSTEM

The first two digits denote the product group

54 = SHANK ADAPTERS

The fifth and sixth digits denote the shank length in inches

20 = 20" LONG (500mm)

The third and fourth digits denote the shank end thread

- 25 = R25 THREAD
- 32 = R32 THREAD
- 35 = R35 THREAD
- 38 = R38 THREAD
- 85 = T35 THREAD
- 88 = T38 THREAD
- 95 = T45 THREAD
- 99 = T51 THREAD
- 44 = ST45 THREAD
- 58 = ST58 THREAD
- 60 = ST58 THREAD BOTTOM DRIVE
- 68 = ST68 THREAD
- 90 = CT60 THREAD
- 92 = T60 THREAD

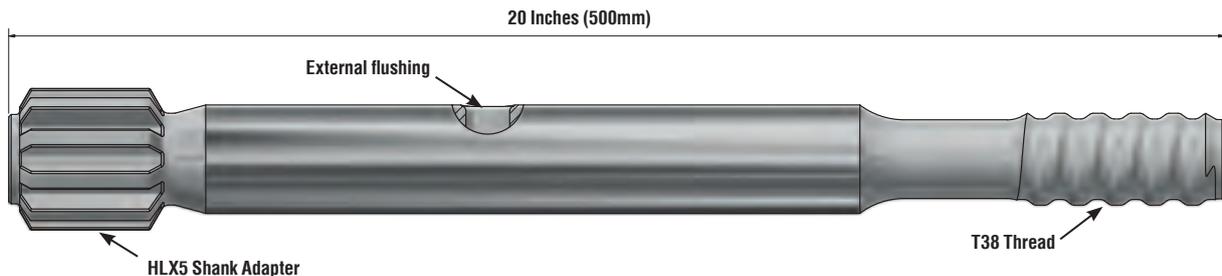
The seventh, eighth and ninth digits denote the shank type (See drilling machine index)

150 = TAMROCK HLX5 (NEW DESIGN)

The tenth and eleventh digits denote the seal size in mm, 00 is used for shanks with external flushing

00 = EXTERNAL FLUSHING TYPE

54 88 - 20 150 - 00



Example; HLX5 500mm long T38 thread
Catalogue Number - 5488-20150-00

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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.

This Rock Drilling Equipment catalogue was produced in April 2024. E&OE.

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INTEGRAL DRILL STEELS

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



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
SERIES 11		
800mm (2' 7") x 34mm HEAD	5324-0834	3.0
1600mm (5' 3") x 33mm HEAD	5324-1633	5.4
2400mm (7' 10") x 32mm HEAD	5324-2432	7.8
3200mm (10' 6") x 31mm HEAD	5324-3231	10.2
4000mm (13' 1") x 30mm HEAD	5324-4030	12.6
4800mm (15' 9") x 29mm HEAD	5324-4829	15.0
5600mm (18' 4") x 28mm HEAD	5324-5628	17.4
SERIES 12		
800mm (2' 7") x 40mm HEAD	5324-0840	3.0
1600mm (5' 3") x 39mm HEAD	5324-1639	5.4
2400mm (7' 10") x 38mm HEAD	5324-2438	7.8
3200mm (10' 6") x 37mm HEAD	5324-3237	10.2
4000mm (13' 1") x 36mm HEAD	5324-4036	12.6
4800mm (15' 9") x 35mm HEAD	5324-4835	15.0
5600mm (18' 4") x 34mm HEAD	5324-5634	17.4
SERIES 13		
400mm (1' 4") x 34mm HEAD	5324-0434	1.7
800mm (2' 7") x 33mm HEAD	5324-0833	3.0
1200mm (3' 11") x 32mm HEAD	5324-1232	4.1
1600mm (5' 3") x 31mm HEAD	5324-1631	5.4
2000mm (6' 6") x 30mm HEAD	5324-2030	6.5
SERIES 16		
600mm (2' 0") x 35mm HEAD	5324-0635	2.3
1200mm (3' 11") x 34mm HEAD	5324-1234	4.1
1800mm (5' 11") x 33mm HEAD	5324-1833	5.9
2400mm (7' 10") x 32mm HEAD	5324-2432	7.8
SERIES 17		
600mm (2' 0") x 41mm HEAD	5324-0641	2.3
1200mm (3' 11") x 40mm HEAD	5324-1240	4.1
1800mm (5' 11") x 39mm HEAD	5324-1839	5.9
2400mm (7' 10") x 38mm HEAD	5324-2438	7.8

Rock Drilling Equipment

TAPER DRIVE EQUIPMENT

22 X 7° TAPER EQUIPMENT - CROSS BITS



DIAMETER Ø (D) mm	CAT. NUMBER	WEIGHT (Kg)
32mm (1¼")	4202-0332	0.2
35mm (1⅜")	4202-0335	0.2
38mm (1½")	4202-0338	0.2
41mm (1⅝")	4202-0341	0.3

22 X 7° TAPER EQUIPMENT - FLAT FACE BUTTON BITS



DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
32	5 x 6.5mm	2 x 6.5mm	1 x 5mm	0	35°	4702-2032	0.3
35	5 x 9mm	2 x 6.5mm	1 x 5mm	0	30°	4702-2035	0.4
38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4702-2038	0.4
41	6 x 9mm	2 x 8mm	2 x 5mm	1 x 5mm	30°	4702-2041	0.5
43	6 x 9mm	2 x 8mm	2 x 5mm	1 x 5mm	30°	4702-2043	0.8
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	35°	4702-2045	0.6

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



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
600mm (2')	5034-0206	2.2
915mm (3')	5034-0209	3.1
1220mm (4')	5034-0212	4.0
1830mm (6')	5034-0218	5.9
2145mm (7')	5034-0221	6.8
2435mm (8')	5034-0224	7.7
3050mm (10')	5034-0231	9.6
3660mm (12')	5034-0236	11.4
4000mm (13' 1/8")	5034-0240	12.4

Other taper angles

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

- 01 = 4.8° x 22mm
- 02 = 7° x 22mm
- 03 = 12° x 22mm
- 06 = 11° x 22mm
- 09 = 7° x 25mm

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 Ø (D) mm	CAT. NUMBER	WEIGHT (Kg)
32mm (1¼")	4203-0332	0.2
35mm (1⅜")	4203-0335	0.2
38mm (1½")	4203-0338	0.2
41mm (1⅝")	4203-0341	0.3
45mm (1¾")	4203-0345	0.3
48mm (1⅞")	4203-0348	0.3
51mm (2")	4203-0351	0.3

22 X 12° TAPER EQUIPMENT - FLAT FACE BUTTON BITS



DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
32	5 x 6.5mm	2 x 6.5mm	1 x 5mm	1 x 5mm	35°	4703-2032	0.3
35	5 x 8mm	2 x 6.5mm	1 x 5mm	1 x 5mm	35°	4703-2035	0.3
38	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	35°	4703-2038	0.8
43	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	35°	4703-2043	0.8
45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	35°	4703-2045	0.9

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



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
600mm (2')	5034-0306	2.2
915mm (3')	5034-0309	3.1
1220mm (4')	5034-0312	4.0
1600mm (5' 3")	5034-0316	5.2
1830mm (6')	5034-0318	5.9
2145mm (7')	5034-0321	6.8
2435mm (8')	5034-0324	7.7
3050mm (10')	5034-0331	9.6
3200mm (10' 6")	5034-0332	10.0
3660mm (12)	5034-0336	11.4
4000mm (13')	5034-0340	12.4
4800mm (15' 8")	5034-0348	14.8

Rock Drilling Equipment

SMALL HOLE DRILLING

R25 BIT THREAD

CODE 3 - CROSS BITS

	DIA Ø (D) mm	CARBIDE WIDTH	CARBIDE HEIGHT	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	35	8mm	11mm	1 x 5mm	4 x 5mm	N/A	4625-0335	0.3
	38	8mm	11mm	1 x 5mm	4 x 5mm	N/A	4625-0338	0.4
	41	8mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0341	0.5
	45	9mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0345	0.5

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	37	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1037	0.6
	38	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1038	0.6
	41	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1041	0.6
	43	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1043	0.7
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4725-1045	0.8

CODE 20 - FLAT FACE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	33	5 x 8mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4725-2033	0.4
	35	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4725-2035	0.6
	38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4725-2038	0.6
	41	5 x 9mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2041	0.7
	43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2043	0.8
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4725-2045	0.9
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4725-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4725-2051	1.2

CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30°	4725-3043	0.8
	45	6 x 9mm	3 x 8mm	3 x 5mm	0	30°	4725-3045	0.8
	48	6 x 10mm	3 x 9mm	3 x 5mm	0	30°	4725-3048	1.0
	51	6 x 10mm	3 x 9mm	3 x 6mm	0	30°	4725-3051	1.1



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



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
254mm (10") B/C	5425-2203-03	1.2
610mm (2') B/C	5425-2203-06	2.2
915mm (3') B/C	5425-2203-09	3.2
1220mm (4') B/C	5425-2203-12	4.0
1525mm (5') B/C	5425-2203-15	5.0
1830mm (6') B/C	5425-2203-18	5.9
2440mm (8') B/C	5425-2203-24	7.8
3050mm (10') B/C	5425-2203-31	9.6
3660mm (12') B/C	5425-2203-37	11.4
4000mm (13') B/C	5425-2203-40	12.5

SHANKED RODS 108 X 25mm (4 1/4" x 1") SHANK - 25mm HEX BODY



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
254mm (10") B/C	5425-2503-03	1.4
610mm (2') B/C	5425-2503-06	2.9
800mm (2' 7") B/C	5425-2503-08	3.6
1220mm (4') B/C	5425-2503-12	5.3
1830mm (6') B/C	5425-2503-18	7.8
2440mm (8') B/C	5425-2503-24	10.2
3050mm (10') B/C	5425-2503-31	12.7
3200mm (10' 5") B/C	5425-2503-32	13.3
3660mm (12') B/C	5425-2503-37	15.1
4000mm (13') B/C	5425-2503-40	16.5

DUAL DRIVE SHANKED RODS 108 X 25mm (4 1/4" x 1") SHANK - 25mm HEX BODY

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



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
2440mm (8') B/C	5425-2503-24DD	10.7
3050mm (10') B/C	5425-2503-31DD	13.1
3200mm (10' 5") B/C	5425-2503-32DD	13.8
3660mm (12') B/C	5425-2503-37DD	15.6
3720mm (12' 2") B/C	5425-2503-38DD	15.9

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DRIFTING, TUNNELLING AND BOLTING

PR27 BIT THREAD

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	37	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4727-1037	0.6
	38	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4727-1038	0.6
	41	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4727-1041	0.6
	43	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4727-1043	0.7
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4727-1045	0.8

CODE 20 - FLAT FACE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4727-2038	0.7
	41	5 x 9mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4727-2041	0.7
	43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4727-2043	0.8
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4727-2045	0.9



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 9mm	3 x 8mm	3 x 5mm	0	30°	4727-3043	0.8
	45	6 x 9mm	3 x 8mm	3 x 5mm	0	30°	4727-3045	0.8
	48	6 x 10mm	3 x 9mm	3 x 5mm	0	30°	4727-3048	1.0
	51	6 x 10mm	3 x 9mm	3 x 6mm	0	30°	4727-3051	1.1

DRIFTING, TUNNELLING AND BOLTING

PR27 BIT THREAD

R32 - HEX 28 - PR27

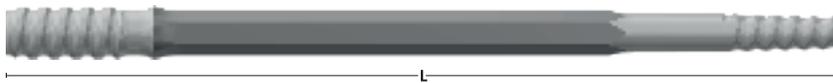
Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
2480mm (8' 1 1/2")	5732-2827-25	12.3
2630mm (9' 11")	5732-2827-26	13.0
2785mm (9' 1 5/8")	5732-2827-28	13.8
3090mm (10' 1 1/2")	5732-2827-31	15.3
3700mm (12' 1 1/2")	5732-2827-37	18.4
4300mm (14' 1 1/2")	5732-2828-43	21.4

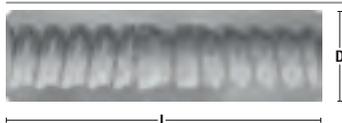
T38 - HEX 28 - PR27

Ø 9.0mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
2480mm (8' 1 1/2")	5788-2827-25	12.5
2630mm (9' 11")	5788-2827-26	13.3
2785mm (9' 1 5/8")	5788-2827-28	14.0
3090mm (10' 1 1/2")	5788-2827-31	15.6
3700mm (12' 1 1/2")	5788-2827-37	18.6
4300mm (14' 1 1/2")	5788-2827-43	21.7

COUPLINGS



DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
55mm	190mm	T38 S/B COUPLING	5588-0001	1.9

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R25 & R28 BIT THREAD

CODE 3 - CROSS BIT



	DIA Ø (D) mm	CARBIDE WIDTH	CARBIDE HEIGHT	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER	WEIGHT (Kg)
	38	8mm	11mm	1 x 5mm	4 x 5mm	N/A	4625-0338	4628-0338	0.4
	41	8mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0341	4628-0341	0.5
	45	9mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0345	4628-0345	0.5
	48	9mm	14mm	1 x 5.5mm	4 x 5mm	N/A	4625-0348	4628-0348	0.7

CODE 10 - CROSS FLUSH



	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER	WEIGHT (Kg)
	37	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1037	4728-1037	0.6
	38	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1038	4728-1038	0.6
	41	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1041	4728-1041	0.6
	43	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1043	4728-1043	0.7
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4725-1045	4728-1045	0.8

CODE 20 - FLAT FACE



	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	R25 CAT. NUMBER	R28 CAT. NUMBER	WEIGHT (Kg)
	38	5 x 9mm	2 x 6.5mm	1 x 5mm	2 x 5mm	30°	4725-2038	4728-2038	0.6
	41	5 x 9mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2041	4728-2041	0.7
	43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2043	4728-2043	0.8
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4725-2045	4728-2045	0.9

R32 - HEX 25 - R25

Ø 9.0mm Flushing hole



	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	2020mm (6' 7 1/2")	5732-2525-21	7.9
	2480mm (8' 1 1/2")	5732-2525-25	9.7
	2630mm (8' 8")	5732-2525-26	10.3
	2900mm (9' 6")	5732-2525-29	11.4
	3090mm (10' 1 1/2")	5732-2525-31	12.1
	3700mm (12' 1 1/2")	5732-2525-37	14.5
	4300mm (14' 1 1/2")	5732-2525-43	16.9

R32 - HEX 28 - R28

Ø 9.0mm Flushing hole



	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	2480mm (8' 1 1/2")	5732-2828-25	12.3
	2630mm (9' 11")	5732-2828-26	13.1
	2785mm (9' 1 3/8")	5732-2828-28	13.9
	3090mm (10' 1 1/2")	5732-2828-31	15.4
	3700mm (12' 1 1/2")	5732-2828-37	18.5
	4300mm (14' 1 1/2")	5732-2828-43	21.5

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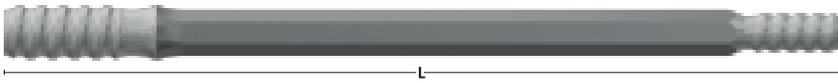
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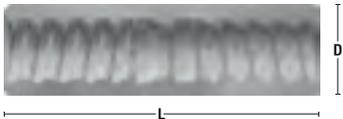
T38 - HEX 28 - R28

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	2480mm (8' 1 1/2")	5788-2828-25	12.0
	2630mm (9' 11")	5788-2828-26	12.7
	2785mm (9' 1 5/8")	5788-2828-28	13.5
	3090mm (10' 1 1/2")	5788-2828-31	14.9
	3700mm (12 1 1/2")	5788-2828-37	17.9
	4300mm (14' 1 1/2")	5788-2828-43	20.8

T38 - HEX 28 - R28 DUAL DRIVE

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	2480mm (8' 1 1/2")	5788-2828-25DD	13.3
	2630mm (9' 11")	5788-2828-26DD	14.1
	2785mm (9' 1 5/8")	5788-2828-28DD	15.0
	3090mm (10' 1 1/2")	5788-2828-31DD	16.7
	3700mm (12 1 1/2")	5788-2828-37DD	20.0
	4300mm (14' 1 1/2")	5788-2828-43DD	23.3

COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	55	190	T38 S/B COUPLING	5588-0001	1.9

Rock Drilling Equipment

DRIFTING, TUNNELLING AND BOLTING

R32 BIT THREAD

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4732-1045	0.9
	48	6 x 9mm	2 x 9mm	2 x 6mm	0	35°	4732-1048	1.0
	51	6 x 10mm	2 x 10mm	2 x 7mm	0	35°	4732-1051	1.1

CODE 14 - FLAT FACE 7G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	45	7 x 10mm	2 x 9mm	2 x 5mm	2 x 5mm	35°	4732-1445	0.8
	48	7 x 10mm	2 x 10mm	2 x 6mm	2 x 5mm	35°	4732-1448	0.9
	51	7 x 10mm	2 x 11mm	2 x 6mm	2 x 7mm	35°	4732-1451	1.0

CODE 20 - FLAT FACE 5G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	41	6 x 9mm	2 x 8mm	2 x 6mm	2 x 6mm	30°	4732-2041	0.8
	43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4732-2043	0.8
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4732-2045	0.9
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4732-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4732-2051	1.1

CODE 21 - FLAT FACE 6G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35°	4732-2143	0.8
	45	6 x 10mm	3 x 8mm	3 x 5mm	2 x 6mm	35°	4732-2145	0.9
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	35°	4732-2148	1.0
	51	6 x 10mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-2151	1.0

CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30°	4732-3043	0.8
	45	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30°	4732-3045	0.8
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	30°	4732-3048	1.0
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4732-3051	1.0
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4732-3064	1.9

CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4732-3251	1.3
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3254	1.4
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3257	1.6
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4732-3264	2.1



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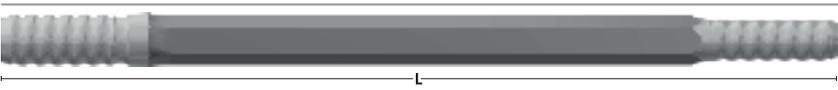
CODE 40 - DROP CENTRE

	DIA Ø (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4732-4064	1.8

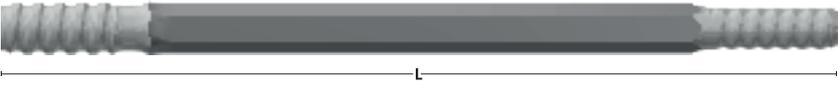
CODE 42 - DROP CENTRE RETRAC

	DIA Ø (D) MM	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4732-4264	2.0

R38 - HEX 32 - R32

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3090mm (10' 1 1/2")	5738-3232-31	20.0
	3700mm (12' 1 1/2")	5738-3232-37	23.9
	4305mm (14' 1 1/2")	5738-3232-43	27.8
	4915mm (16' 1 1/2")	5738-3232-49	31.8

T38 - HEX 32 - R32

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3090mm (10' 1 1/2")	5788-3232-31	19.9
	3700mm (12' 1 1/2")	5788-3232-37	23.9
	4305mm (14' 1 1/2")	5788-3232-43	27.8
	4915mm (16' 1 1/2")	5788-3232-49	31.7

R38 - HEX 35 - R32

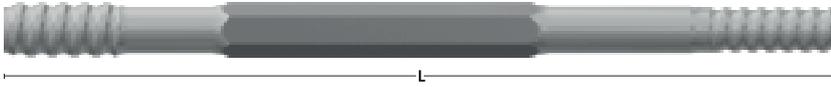
Ø 9.5mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3090mm (10' 1 1/2")	5738-3532-31	23.7
	3700mm (12' 1 1/2")	5738-3532-37	28.5
	4305mm (14' 1 1/2")	5738-3532-43	33.2
	4915mm (16' 1 1/2")	5738-3532-49	38.0
	5525mm (18' 1 1/2")	5738-3532-55	42.8

DRIFTING, TUNNELLING AND BOLTING

R32 BIT THREAD

T38 - HEX 35 - R32

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
3090mm (10' 1 1/2")	5788-3532-31	23.6
3700mm (12' 1 1/2")	5788-3532-37	28.4
4305mm (14' 1 1/2")	5788-3532-43	33.1
4915mm (16' 1 1/2")	5788-3532-49	37.9
5525mm (18' 1 1/2")	5788-3532-55	42.6
6135mm (20' 1 1/2")	5788-3532-61	47.4
6440mm (21' 1 1/2")	5788-3532-64	49.8

T38 - HEX 35 - R32 DUAL DRIVE VERSION

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
3090mm (10' 1 1/2")	5788-3532-31DD	23.9
3700mm (12' 1 1/2")	5788-3532-37DD	28.7
4305mm (14' 1 1/2")	5788-3532-43DD	33.4
4915mm (16' 1 1/2")	5788-3532-49DD	38.2
5525mm (18' 1 1/2")	5788-3532-55DD	43.0
6135mm (20' 1 1/2")	5788-3532-61DD	47.7
6440mm (21' 1 1/2")	5788-3532-64DD	50.1

T38 FEM - HEX 35 - R32 MALE

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
3090mm (10' 1 1/2")	5788-3532-31MF	25.1
3700mm (12' 1 1/2")	5788-3532-37MF	29.9
4305mm (14' 1 1/2")	5788-3532-43MF	34.6
4915mm (16' 1 1/2")	5788-3532-49MF	39.4
5525mm (18' 1 1/2")	5788-3532-55MF	44.1
6135mm (20' 1 1/2")	5788-3532-61MF	48.9
6440mm (21' 1 1/2")	5788-3532-64MF	51.3

T38 - ROUND 39 - R32

Ø 12mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
3090mm (10' 1 1/2")	5688-3932-31	26.2
3700mm (12' 1 1/2")	5688-3932-37	31.5
4305mm (14' 1 1/2")	5688-3932-43	36.8
4915mm (16' 1 1/2")	5688-3932-49	42.2
5525mm (18' 1 1/2")	5688-3932-55	47.5
6135mm (20' 1 1/2")	5688-3932-61	52.9
6440mm (21' 1 1/2")	5688-3932-64	55.6

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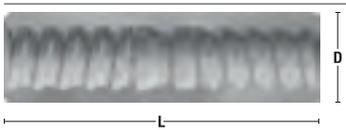
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T38 FEM - ROUND 39 - R32 MALE

Ø 12mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3700mm (12' 1 1/2")	5888-3932-37MF	31.2
	4305mm (14' 1 1/2")	5888-3932-43MF	36.1
	4915mm (16' 1 1/2")	5888-3932-49MF	41.1
	5525mm (18' 1 1/2")	5888-3932-55MF	46.1
	6135mm (20' 1 1/2")	5888-3932-61MF	51.1
	6440mm (21' 1 1/2")	5888-3932-64MF	53.6

COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	55	175	R38 S/B COUPLING	5538-0001	1.8
	55	190	T38 S/B COUPLING	5588-0001	1.9

Rock Drilling Equipment

DRIFTING, TUNNELLING AND BOLTING

R32 REAMING TOOLS

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

	THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
	R32	26mm	4250-3226	1.3

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

	THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
	R32	40mm	4250-3240	2.4

REAMING BITS, BUTTON - 6° TAPER

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	6 x 10mm	3 x 9mm	35°	4700-1364	0.7
	76	8 x 11mm	4 x 10mm	35°	4700-1376	1.1
	89	8 x 12mm	4 x 10mm	35°	4700-1389	1.7

REAMING BITS, BUTTON - 12° TAPER

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 12mm	4 x 10mm	35°	4700-1689	1.6
	102	8 x 12mm	4 x 11mm	35°	4700-1602	2.3
	127	10 x 14mm	5 x 14mm	35°	4700-1627	3.6

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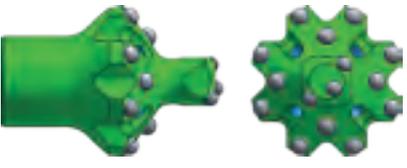
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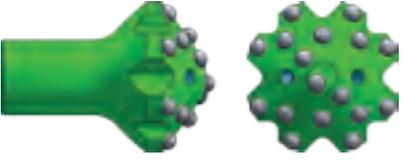
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THREADED REAM BITS

	DIA Ø (D) mm	GAUGE CARBIDES	PILOT CARBIDES	SIDE FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	9 x 12mm	3 x 10mm	4	0	35°	4732-5276-38	1.7
	89	8 x 12mm	3 x 10mm	4	0	35°	4732-5289-38	2.4
	102	12 x 12mm	3 x 10mm	4	0	35°	4732-5202-38	3.0

THREADED REAM BITS - (MUSHROOM TYPE)

	DIA Ø (D) mm	GAUGE CARBIDES	SIDE FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	15 x 11mm	2	2	35°	4732-5076	2.2
	89	15 x 12mm	2	2	35°	4732-5089	2.5
	102	16 x 12mm	2	2	35°	4732-5002	3.2

Rock Drilling Equipment

DRIFTING, TUNNELLING AND BOLTING

R35 BIT THREAD

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	6 x 9mm	2 x 9mm	2 x 6mm	0	35°	4735-1048	0.9
	51	6 x 10mm	2 x 10mm	2 x 7mm	0	35°	4735-1051	1.0

CODE 14 - FLAT FACE 7G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	7 x 10mm	2 x 10mm	2 x 6mm	2 x 5mm	35°	4735-1448	0.9
	51	7 x 10mm	2 x 11mm	2 x 6mm	2 x 7mm	35°	4735-1451	1.0

CODE 20 - FLAT FACE 5G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4735-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4735-2051	1.1

CODE 21 - FLAT FACE 6G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	35°	4735-2148	1.0
	51	6 x 10mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4735-2151	1.0



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	30°	4735-3048	0.9
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35°	4735-3051	1.0
	54	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35°	4735-3054	1.1
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4735-3057	1.2
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4735-3064	1.7

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CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4735-3251	1.2
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4735-3254	1.3
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4735-3257	1.4
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4735-3264	2.0

CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4735-4064	1.8

CODE 42 - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4735-4264	2.0

T38 - HEX 35 - R35

Ø 9.5mm Flushing hole

	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3700mm (12' 1 1/2")	5788-3535-37	28.7
	4305mm (14' 1 1/2")	5788-3535-43	33.4
	4915mm (16' 1 1/2")	5788-3535-49	38.2
	5525mm (18' 1 1/2")	5788-3535-55	42.9
	6135mm (20' 1 1/2")	5788-3535-61	47.7
	6440mm (21' 1 1/2")	5788-3535-64	50.1

T38 - ROUND 39 - R35

Ø 14mm Flushing hole

	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	4305mm (14' 1 1/2")	5688-3935-43	37.3
	4915mm (16' 1 1/2")	5688-3935-49	42.6
	5525mm (18' 1 1/2")	5688-3935-55	47.9
	6135mm (20' 1 1/2")	5688-3935-61	53.3

COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	55	190	T38 S/B COUPLING	5588-0001	1.9

Rock Drilling Equipment

DRIFTING, TUNNELLING AND BOLTING

R35 REAMING TOOLS

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

	THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
	R35	40mm	4250-3540	2.4

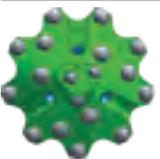
PILOT ADAPTERS - 12° WITH MALE THREAD

	THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
	R35	54mm	4250-3535M	2.2

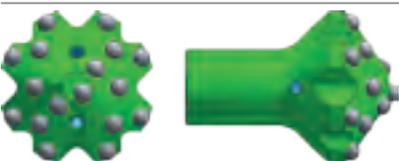
REAMING BITS, BUTTON - 12° TAPER

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 12mm	4 x 10mm	35°	4700-1689	1.6
	102	8 x 12mm	4 x 11mm	35°	4700-1602	2.3
	127	10 x 14mm	5 x 14mm	35°	4700-1627	3.6

THREADED REAM BITS

	DIA Ø (D) mm	GAUGE CARBIDES	PILOT CARBIDES	SIDE FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	14 x 12mm	3 x 10mm	4	0	35°	4735-5289-38	0.4
	102	14 x 12mm	3 x 10mm	4	0	35°	4735-5202-38	2.9
	127	15 x 14mm	3 x 10mm	3	0	35°	4735-5227-38	5.1

THREADED REAM BITS - (MUSHROOM TYPE)

	DIA Ø (D) mm	GAUGE CARBIDES	SIDE FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	17 x 12mm	2	2	35°	4732-5002	3.2



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PR34 BIT THREAD

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4734-1045	0.8
	48	6 x 10mm	2 x 9mm	2 x 7mm	0	35°	4734-1048	0.9
	51	6 x 10mm	2 x 10mm	2 x 7mm	0	35°	4734-1051	1.0

CODE 14 - FLAT FACE 7G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	45	7 x 10mm	2 x 9mm	2 x 5mm	2 x 5mm	35°	4734-1445	0.8
	48	7 x 10mm	2 x 10mm	2 x 6mm	2 x 5mm	35°	4734-1448	0.9
	51	7 x 10mm	2 x 11mm	2 x 6mm	2 x 7mm	35°	4734-1451	1.0

CODE 20 - FLAT FACE 5G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4734-2045	0.9
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4734-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4734-2051	1.1

CODE 21 - FLAT FACE 6G

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 10mm	3 x 8mm	3 x 5mm	1 x 5mm	35°	4734-2143	0.8
	45	6 x 10mm	3 x 8mm	3 x 5mm	1 x 5mm	35°	4734-2145	0.9
	48	6 x 10mm	3 x 9mm	3 x 5mm	1 x 6mm	35°	4734-2148	1.0
	51	6 x 10mm	3 x 10mm	3 x 6mm	1 x 6mm	35°	4734-2151	1.0



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	43	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30°	4734-3043	0.8
	45	6 x 9mm	3 x 8mm	3 x 5mm	2 x 6mm	30°	4734-3045	0.8
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	35°	4734-3048	0.9
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	35°	4734-3051	1.0
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4734-3054	1.1
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4734-3057	1.2
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4734-3064	1.9

DRIFTING, TUNNELLING AND BOLTING

PR34 BIT THREAD



CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4734-3251	1.2
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4734-3254	1.4
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4734-3257	1.6
	64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30°	4734-3264	2.1

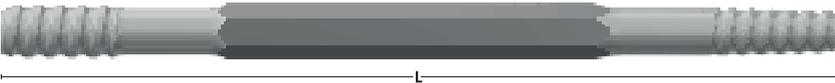
CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4734-4064	1.8

CODE 42 - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4734-4264	2.0

T38 - HEX 35 - PR34

Ø 9.5mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3700mm (12' 1 1/2")	5788-3534-37	28.6
	4305mm (14' 1 1/2")	5788-3534-43	33.4
	4915mm (16' 1 1/2")	5788-3534-49	38.1
	5525mm (18' 1 1/2")	5788-3534-55	42.9
	6135mm (20' 1 1/2")	5788-3534-61	47.7
	6440mm (21' 1 1/2")	5788-3534-64	50.1

T38 - ROUND 39 - PR34

Ø 14mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	4305mm (14' 1 1/2")	5688-3934-43	37.1
	4915mm (16' 1 1/2")	5688-3934-49	42.4
	5525mm (18' 1 1/2")	5688-3934-55	47.7
	6135mm (20' 1 1/2")	5688-3934-61	53.1

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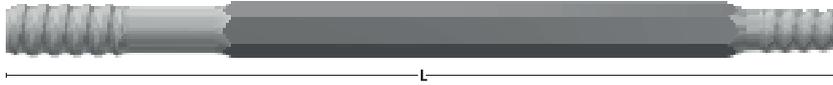
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PR34 BIT THREAD

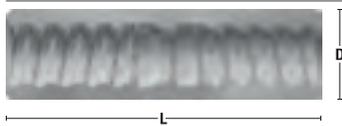
T38 - HEX 35 - PR34 - DUAL DRIVE

Ø 9.5mm Flushing hole



EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
3700mm (12' 1 1/2")	5788-3534-37DD	28.6
4305mm (14' 1 1/2")	5788-3534-43DD	33.4
4915mm (16' 1 1/2")	5788-3534-49DD	38.1
5525mm (18' 1 1/2")	5788-3534-55DD	42.9
6135mm (20' 1 1/2")	5788-3534-61DD	47.7
6440mm (21' 1 1/2")	5788-3534-64DD	50.1

COUPLINGS



DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
55	190	T38 S/B COUPLING	5588-0001	1.9

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



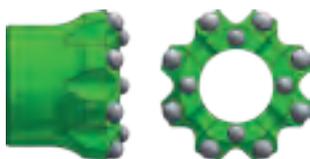
THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
PR34	40mm	4250-3440	2.4

PILOT ADAPTERS - 12° WITH MALE THREAD



THREAD	DIAMETER (D) mm	CAT. NUMBER	WEIGHT (Kg)
PR34	54mm	4250-3434M	2.2

REAMING BITS, BUTTON - 12° TAPER



DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
89	8 x 12mm	4 x 10mm	35°	4700-1689	1.6
102	8 x 12mm	4 x 11mm	35°	4700-1602	2.3
127	10 x 14mm	5 x 14mm	35°	4700-1627	3.6

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PR34 BIT THREAD

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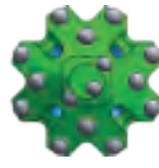
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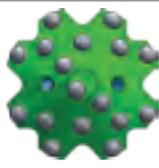
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THREADED REAM BITS - (WITH PILOT)

	DIA Ø (D) mm	GAUGE CARBIDES	PILOT CARBIDES	FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	8 x 12mm	3 x 10mm	4	0	35°	4734-5276-38	0.4
	89	8 x 12mm	3 x 10mm	4	0	35°	4734-5289-38	2.3
	102	12 x 12mm	3 x 10mm	4	0	35°	4734-5202-38	3.7
	127	15 x 14mm	3 x 10mm	4	0	35°	4734-5227-38	5.9

THREADED REAM BITS - (MUSHROOM TYPE)

	DIA Ø (D) mm	GAUGE CARBIDES	FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	15 x 11mm	2	2	35°	4734-5076	2.2
	89	15 x 12mm	2	2	35°	4734-5089	2.5
	102	17 x 12mm	2	0	35°	4734-5002	3.1

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

R25 THREAD

CODE 3 - CROSS BIT

	DIA Ø (D) mm	CARBIDE WIDTH	CARBIDE HEIGHT	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	41	8mm	14mm	4 x 5mm	1 x 5.5mm	N/A	4625-0341	0.5
	45	9mm	14mm	4 x 5mm	1 x 5.5mm	N/A	4625-0345	0.5

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	38	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1038	0.6
	41	6 x 8mm	2 x 8mm	2 x 5mm	0	30°	4725-1041	0.6
	43	6 x 8mm	2 x 8mm	2 x 6mm	0	30°	4725-1043	0.7
	45	6 x 9mm	2 x 8mm	2 x 6mm	0	30°	4725-1045	0.8
	48	6 x 10mm	2 x 9mm	2 x 6mm	0	30°	4725-1048	0.9
	51	6 x 10mm	2 x 10mm	2 x 7mm	0	35°	4725-1051	1.0

CODE 20 - FLAT FACE BIT

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	41	5 x 9mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2041	0.7
	43	5 x 10mm	2 x 8mm	1 x 6mm	2 x 6mm	30°	4725-2043	0.8
	45	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4725-2045	0.9
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4725-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4725-2051	1.2

 CODE 30 - NINJA		DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
		45	6 x 9mm	3 x 8mm	3 x 5mm	0	30°	4725-3045	0.8
		48	6 x 10mm	3 x 9mm	3 x 5mm	0	35°	4725-3048	1.0
		51	6 x 10mm	3 x 9mm	3 x 6mm	0	30°	4725-3051	1.1

EXTENSION DRILLING EQUIPMENT

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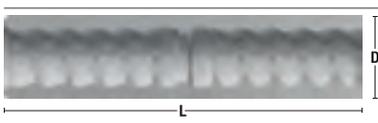
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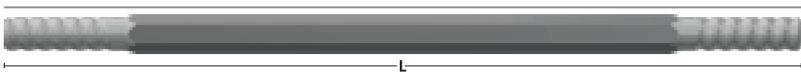
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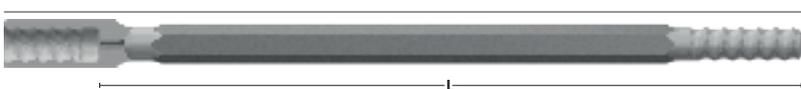
COUPLINGS

	DIAMETER Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	35mm	149mm	R25 SEMI-BRIDGE	5525-0001	1.0

R25 EXTENSION RODS

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	610mm (2')	5725-2506	2.2
	915mm (3')	5725-2509	3.4
	1220mm (4')	5725-2512	4.8
	1525mm (5')	5725-2515	6.1
	1830mm (6')	5725-2518	7.5
	2435mm (8')	5725-2524	10.1
	3050mm (10')	5725-2531	12.8
	3660mm (12')	5725-2536	15.5

R25 MALE/FEMALE EXTENSION RODS

Ø 9.0mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	610mm (2')	5725-2506MF	2.6
	915mm (3')	5725-2509MF	3.8
	1220mm (4')	5725-2512MF	5.0
	1525mm (5')	5725-2515MF	6.2
	1830mm (6')	5725-2518MF	7.3
	2435mm (8')	5725-2524MF	9.7
	3050mm (10')	5725-2531MF	12.1
	3660mm (12')	5725-2536MF	14.4

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

R32 THREAD

CODE 10 - CROSS FLUSH

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	6 x 10mm	2 x 9mm	2 x 6mm	0	30°	4732-1048	1.0
	51	6 x 10mm	2 x 10mm	2 x 7mm	0	40°	4732-1051	1.1

CODE 20 - FLAT FACE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	5 x 11mm	2 x 9mm	1 x 6mm	2 x 6mm	30°	4732-2048	1.0
	51	5 x 12mm	2 x 10mm	1 x 6mm	2 x 6mm	30°	4732-2051	1.1
	64	6 x 12mm	3 x 10mm	1 x 9mm	1 x 9mm	30°	4732-2064	1.9
	76	6 x 12mm	5 x 11mm	1 x 8mm	2 x 8mm	35°	4732-2076	2.5

CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	35°	4732-3048	1.0
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4732-3051	1.0
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3054	1.1
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3057	1.2
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4732-3064	1.9

CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4732-3251	1.3
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3254	1.4
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4732-3257	1.6
	64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30°	4732-3264	2.1

CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4732-4064	1.8

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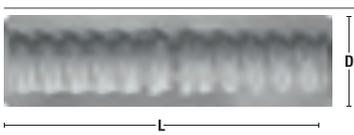
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COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	45	159	R32 SEMI-BRIDGE	5532-0001	1.0

32mm (1¼") ROUND - CARBURISED

Ø 11mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5632-3212C	6.6
	1525mm (5')	5632-3215C	8.3
	1830mm (6')	5632-3218C	10.0
	3050mm (10')	5632-3231C	16.7
	3660mm (12')	5632-3236C	20.1

32mm (1¼") ROUND - SURFACE HARDENED

Ø 11mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3050mm (10')	5632-3231SH	16.7
	3660mm (12')	5632-3236SH	20.1
	4270mm (14')	5632-3243SH	23.5

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

Ø 11mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5832-3212MF	7.3
	1525mm (5')	5832-3215MF	9.0
	1830mm (6')	5832-3218MF	10.7
	3050mm (10')	5832-3231MF	17.5
	3660mm (12')	5832-3236MF	20.9
	4270mm (14')	5832-3243MF	24.3

GUIDE TUBE

Ø 11mm Flushing hole	DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	44mm	3050mm (10')	5632-4431	24.2

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

T35 THREAD



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T35 CAT. NUMBER	WEIGHT (Kg)
	48	6 x 10mm	3 x 9mm	3 x 5mm	2 x 6mm	30°	4785-3048	0.9
	51	6 x 10mm	3 x 9mm	3 x 6mm	2 x 6mm	30°	4785-3051	1.0
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4785-3054	1.1
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4785-3057	1.2
	64	6 x 12mm	3 x 11mm	3 x 8mm	2 x 6mm	35°	4785-3064	1.7



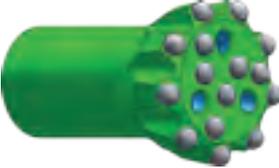
CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T35 CAT. NUMBER	WEIGHT (Kg)
	54	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4785-3254	1.3
	57	6 x 11mm	3 x 10mm	3 x 6mm	2 x 6mm	35°	4785-3257	1.4
	64	6 x 12mm	3 x 11mm	3 x 6mm	2 x 6mm	30°	4785-3264	2.0
	76	8 x 12mm	5 x 11mm	4 x 8mm	1 x 5mm	35°	4785-3276	2.9

T35 MALE/FEMALE SPEEDRODS 38mm (1½") - ROUND BODY

Ø 12mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5885-3812MF	10.8
	1525mm (5')	5885-3815MF	13.3
	1830mm (6')	5885-3818MF	15.9
	3050mm (10')	5885-3831MF	26.3
	3660mm (12')	5885-3836MF	31.5
	4270mm (14')	5885-3843MF	36.6

EXTENSION DRILLING EQUIPMENT**T38 THREAD****CODE 20 - FLAT FACE**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	60	6 x 11mm	3 x 11mm	1 x 9mm	1 x 9mm	30°	4788-2060	1.6
	64	6 x 12mm	3 x 11mm	1 x 9mm	1 x 9mm	35°	4788-2064	1.7
	70	8 x 12mm	6 x 10mm	2 x 10mm	2 x 9mm	30°	4788-2070	2.2
	76	8 x 12mm	6 x 11mm	2 x 12mm	2 x 8mm	35°	4788-2076	2.5
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35°	4788-2089	3.2
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4788-2002	4.6

CODE 22 - FLAT FACE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	64	6 x 12mm	3 x 11mm	1 x 9mm	2 x 9mm	30°	4788-2264	2.1
	76	8 x 12mm	6 x 10mm	2 x 12mm	2 x 8mm	35°	4788-2276	3.1
	89	9 x 12mm	6 x 12mm	3 x 11mm	0	35°	4788-2289	4.4

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EXTENSION DRILLING EQUIPMENT

T38 THREAD



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	35°	4788-3064	1.7
	76	8 x 12mm	5 x 11mm	4 x 8mm	1 x 5mm	35°	4788-3076	2.5
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4788-3089	3.3



CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	64	6 x 12mm	3 x 11mm	3 x 8mm	0	30°	4788-3264	2.1
	76	8 x 12mm	5 x 11mm	4 x 8mm	1 x 5mm	35°	4788-3276	3.1
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4788-3289	4.7

CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4788-4064	1.6
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4788-4076	2.5
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4788-4089	3.4

CODE 42 - DROP CENTRE, RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
	64	8 x 10mm	5 x 9mm	4 x 8mm	0	30°	4788-4264	2.1
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4788-4276	3.1
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4788-4289	4.6

EXTENSION DRILLING EQUIPMENT

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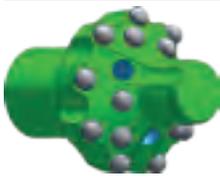
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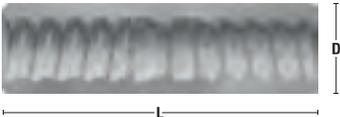
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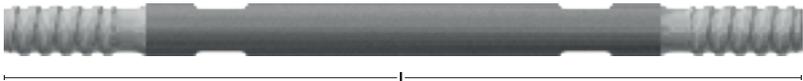


DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T38 CAT. NUMBER	WEIGHT (Kg)
102	15 x 12mm	0	3 x 11mm	0	40°	4788-5202-51	4.5
127	15 x 16mm	0	3 x 16mm	0	40°	4788-5227-51	6.4
152	18 x 16mm	0	3 x 16mm	0	40°	4788-5252-60	9.8

COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	55	190	T38 SEMI-BRIDGE	5588-0001	1.9

38mm (1½") ROUND - CARBURISED

Ø 14mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5688-3812C	9.5
	1525mm (5')	5688-3815C	12.0
	1830mm (6')	5688-3818C	14.5
	3050mm (10')	5688-3831C	24.5
	3660mm (12')	5688-3836C	29.5
	4270mm (14')	5688-3843C	34.5
	4905mm (16')	5688-3849C	39.7

38mm (1½") ROUND - SURFACE HARDENED

Ø 14mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3050mm (10')	5688-3831SH	24.5
	3660mm (12')	5688-3836SH	29.5
	4270mm (14')	5688-3843SH	34.5
	4905mm (16')	5688-3849SH	39.7

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

Ø 14mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5888-3812MF	10.9
	1525mm (5')	5888-3815MF	13.4
	1830mm (6')	5888-3818MF	15.9
	3050mm (10')	5888-3831MF	25.9
	3660mm (12')	5888-3836MF	30.8
	4270mm (14')	5888-3843MF	35.8

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

T38 THREAD

GUIDE TUBES

Ø 14mm Flushing hole

	DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	55mm	1220mm (4')	5688-5512	15.5
	55mm	1525mm (5')	5688-5515	19.3
	55mm	1830mm (6')	5688-5518	23.0
	55mm	2440mm (8')	5688-5524	30.5
	55mm	3050mm (10')	5688-5531	38.0
	55mm	3660mm (12')	5688-5536	45.5

Ø 14mm Flushing hole

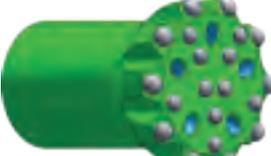
	64mm	1830mm (6')	5688-6418	29.3
	64mm	2440mm (8')	5688-6424	38.8
	64mm	3050mm (10')	5688-6431	48.3
	64mm	3660mm (12')	5688-6436	57.7

LONG HOLE DRILLING TOOLS - SHOULDER DRIVE TUBES

Ø 14mm Flushing hole

	DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	55mm	1525mm (5')	5688-5515SD	20.0
	55mm	1830mm (6')	5688-5518SD	23.8

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	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	70	8 x 12mm	6 x 10mm	2 x 10mm	2 x 9mm	30°	4795-2070	N/A	2.6	N/A
	76	8 x 12mm	6 x 11mm	2 x 12mm	2 x 8mm	35°	4795-2076	4799-2076	2.9	N/A
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35°	4795-2089	4799-2089	3.7	4.1
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4795-2002	4799-2002	5.0	5.8
	115	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4795-2015	4799-2015	6.2	7.7
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	N/A	4799-2027	N/A	8.8

EXTENSION DRILLING EQUIPMENT

T45 & T51 THREAD

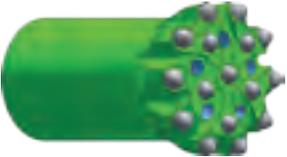
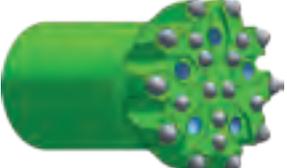
CODE 22 - FLAT FACE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	76	8 x 12mm	6 x 11mm	2 x 12mm	2 x 8mm	35°	4795-2276	4799-2276	3.1	2.9
	89	9 x 12mm	6 x 12mm	3 x 10mm	0	35°	4795-2289	4799-2289	4.5	4.6
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4795-2202	4799-2202	6.7	6.7
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35°	4795-2215	4799-2215	9.6	9.4
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	NA	4799-2227	N/A	11.7

EXTENSION DRILLING EQUIPMENT

T45 & T51 THREAD

 **CODE 30 - NINJA**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	76	8 x 12mm	5 x 11mm	4 x 8mm	1 x 5mm	35°	4795-3076	N/A	2.9	N/A
	89	10 x 12mm	6 x 11mm	4 x 9mm	1 x 6mm	35°	4795-3089	4799-3089	3.9	4.3
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4795-3002	4799-3002	4.8	5.7
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4795-3015	4799-3015	7.6	7.6
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	NA	4799-3027	N/A	8.4

 **CODE 32 - NINJA - RETRAC**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	89	10 x 13mm	6 x 11mm	5 x 9mm	1 x 6mm	35°	4795-3289	4799-3289	4.7	4.8
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4795-3202	4799-3202	6.6	6.6
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4795-3215	4799-3215	9.4	9.4
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	N/A	4799-3227	N/A	11.6

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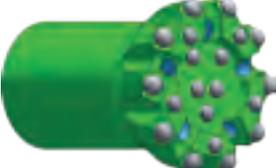
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EXTENSION DRILLING EQUIPMENT

T45 & T51 THREAD

CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4795-4076	4799-4076	2.9	2.9
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4795-4089	4799-4089	3.8	4.2
	102	9 x 14mm	9 x 12mm	3 x 10mm	0	35°	4795-4002	4799-4002	4.9	5.8
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35°	4795-4015	4799-4015	7.4	7.4
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	N/A	4799-4027	N/A	8.5

CODE 42 - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4795-4276	4799-4276	3.1	2.9
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4795-4289	4799-4289	4.7	4.6
	102	9 x 14mm	9 x 12mm	3 x 10mm	0	35°	4795-4202	4799-4202	6.7	6.6
	115	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4795-4215	4799-4215	9.9	9.7
	127	10 x 16mm	10 x 14mm	4 x 12mm	0	35°	N/A	4799-4227	N/A	11.9

EXTENSION DRILLING EQUIPMENT

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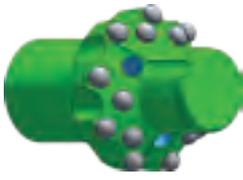
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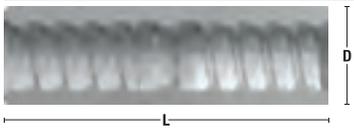
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CODE 52 - PILOT REAMER

	DIA Ø (D) mm	GAUGE CARBIDES	PILOT CARBIDES	FLUSHING	REVERSE FLUSHING	GAUGE ANGLE	T45 CAT. NUMBER	T51 CAT. NUMBER	T45 Wt. (Kg)	T51 Wt. (Kg)
	102	5 x 12mm	0	3 x 16mm	0	30°	4795-5202-70	N/A	5.2	N/A
	127	15 x 16mm	0	3 x 16mm	0	30°	4795-5227-67	N/A	7.8	N/A
	152	18 x 16mm	0	3 x 16mm	0	35°	4795-5252-67	N/A	10.5	N/A

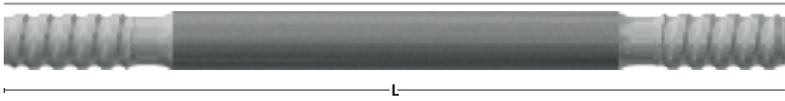
COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	63	207	T45 SEMI-BRIDGE	5595-0001	2.7

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

Ø 16mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5695-4512C	12.8
	1525mm (5')	5695-4515C	16.1
	1830mm (6')	5695-4518C	19.4
	3050mm (10')	5695-4531C	32.7
	3660mm (12')	5695-4536C	39.4
	4270mm (14')	5695-4543C	46.0
	6095mm (20')	5695-4561C	65.9

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

Ø 16mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3050mm (10')	5695-4531SH	32.7
	3660mm (12')	5695-4536SH	39.4
	4270mm (14')	5695-4543SH	46.0
	6095mm (20')	5695-4561SH	65.9

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

Ø 16mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1220mm (4')	5895-4512MF	14.7
	1525mm (5')	5895-4515MF	18.1
	1830mm (6')	5895-4518MF	21.4
	3050mm (10')	5895-4531MF	34.7
	3660mm (12')	5895-4536MF	41.4
	4270mm (14')	5895-4543MF	48.0
	6095mm (20')	5895-4561MF	67.9

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

T45 THREAD

GUIDE TUBES

Ø 16mm Flushing hole



DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
64mm	1220mm (4')	5695-6412	19.7
64mm	1525mm (5')	5695-6415	24.5
64mm	1830mm (6')	5695-6418	29.2
64mm	3660mm (12')	5695-6436	57.6
76mm	1830mm (6')	5695-7618	38.8
76mm	3660mm (12')	5695-7636	75.3

LONG HOLE DRILLING TOOLS - SHOULDER DRIVE TUBES

Ø 16mm Flushing hole



DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
64mm	1525mm (5')	5695-6415SD	25.2
64mm	1830mm (6')	5695-6418SD	29.9

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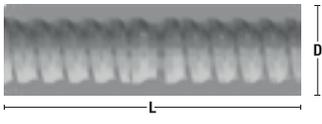
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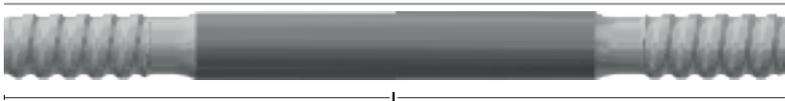
COUPLINGS

	DIA Ø (D) mm	LENGTH (L) mm	DESCRIPTION	CAT. NUMBER	WEIGHT (Kg)
	72	234	T51 SEMI-BRIDGE	5599-0001	3.9
	76	234	T51 SEMI-BRIDGE HEAVY DUTY	5599-0003	4.7

51mm (2") ROUND - CARBURISED

Ø 19mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	1830mm (6')	5699-5118C	25.6
	3050mm (10')	5699-5131C	43.2
	3660mm (12')	5699-5136C	52.0
	4270mm (14')	5699-5143C	60.8
	4800mm (15' 9")	5699-5148C	68.5
	6095mm (20')	5699-5161C	87.2

51mm (2") ROUND - SURFACE HARDENED

Ø 19mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	3050mm (10')	5699-5131SH	43.2
	3660mm (12')	5699-5136SH	52.0
	4270mm (14')	5699-5143SH	60.8
	6095mm (20')	5699-5161SH	87.2

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

Ø 19mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	915mm (3')	5899-5109MF	15.4
	1525mm (5')	5899-5115MF	24.3
	1830mm (6')	5899-5118MF	28.7
	3050mm (10')	5899-5131MF	46.3
	3660mm (12')	5899-5136MF	55.1
	4270mm (14')	5899-5143MF	63.9
	4800mm (15' 9")	5899-5148MF	71.6
	6095mm (20')	5899-5161MF	90.3

GUIDE TUBES

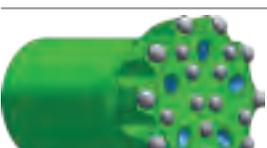
Ø 19mm Flushing hole	DIAMETER Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	76mm	1830mm (6')	5699-7618	39.7
	76mm	3660mm (12')	5699-7636	76.7
	87mm	1830mm (6')	5699-8718	47.0
	87mm	3660mm (12')	5699-8736	90.5

Rock Drilling Equipment

EXTENSION DRILLING EQUIPMENT

CT60 THREAD

CODE 20 - FLAT FACE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	8 x 14mm	6 x 12mm	2 x 16mm	0	35°	4790-2002	5.6
	115	9 x 16mm	9 x 14mm	4 x 11mm	0	35°	4790-2015	7.4
	127	10 x 16mm	10 x 14mm	5 x 11mm	0	35°	4790-2027	8.6

CODE 22 - FLAT FACE RETRAC

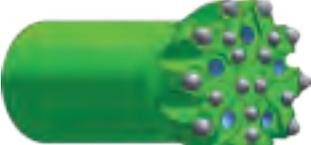
	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	9 x 13mm	9 x 12mm	2 x 14mm	0	35°	4790-2202	7.7
	115	9 x 16mm	6 x 14mm	3 x 13mm	0	35°	4790-2215	10.6
	127	10 x 16mm	10 x 14mm	5 x 11mm	0	35°	4790-2227	13.5
	140	10 x 16mm	12 x 14mm	5 x 11mm	0	35°	4790-2240	16.5
	152	10 x 16mm	12 x 14mm	5 x 11mm	0	35°	4790-2252	20.3

EXTENSION DRILLING EQUIPMENT

CT60 THREAD



CODE 30 - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	92	10 x 12mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4790-3092	6.1
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4790-3002	6.9
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4790-3015	8.1
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	4790-3027	9.5



CODE 32 - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	92	10 x 12mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4790-3292	5.8
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4790-3202	7.5
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4790-3215	10.5
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	4790-3227	13.3

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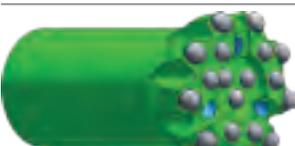
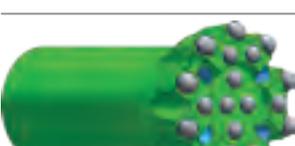
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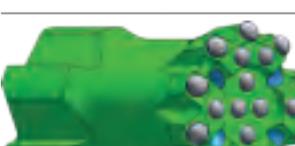
EXTENSION DRILLING EQUIPMENT

CT60 THREAD

CODE 40 - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	92	9 x 13mm	5 x 12mm	4 x 10mm	0	35°	4790-4092	4.3
	102	9 x 14mm	9 x 12mm	3 x 12mm	0	35°	4790-4002	5.6
	115	9 x 16mm	9 x 14mm	3 x 12mm	0	35°	4790-4015	8.0
	127	10 x 16mm	10 x 14mm	4 x 12mm	0	35°	4790-4027	9.6

CODE 42 - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4790-4202	7.6
	115	9 x 16mm	9 x 14mm	3 x 12mm	0	35°	4790-4215	10.4
	127	10 x 16mm	10 x 14mm	4 x 12mm	0	35°	4790-4227	13.1

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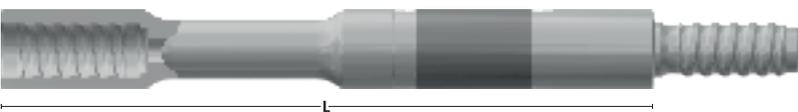
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CT60 MF RODS, 85mm FEMALE

Ø 22mm Flushing hole	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	MF ROD 3660mm (12')	5891-6136MF	74.7
	MF ROD 4270mm (14')	5891-6143MF	86.3
	MF ROD 6100mm (20' 5/32")	5891-6161MF	121.5

PILOT TUBE

Ø 25mm Flushing hole	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	87	1525mm (5')	5890-8715-R	40.5
	87	4270mm (14')	5890-8743-R	105.4
	76	5335mm (17')	5890-7653-R	113.3

DRILL TUBE

Ø 25mm Flushing hole	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	87	1830mm (6')	5690-8718	48.9
	87	4270mm (14')	5690-8743	106.6
	103	1830mm (6')	5690-10318	77.6

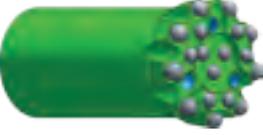
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UNDERGROUND PRODUCTION & LONG HOLE DRILLING

ST45 THREAD



CODE 40 - PRODUCTION BITS - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4744-4076	2.6
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4744-4089	3.6
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4744-4002	4.5
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35°	4744-4015	6.1



CODE 42 - PRODUCTION BITS - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	8 x 12mm	5 x 11mm	4 x 8mm	0	35°	4744-4276	3.1
	89	8 x 13mm	5 x 12mm	4 x 9mm	0	35°	4744-4289	4.4
	102	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4744-4202	6.6
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35°	4744-4215	9.4

UNDERGROUND PRODUCTION & LONG HOLE DRILLING

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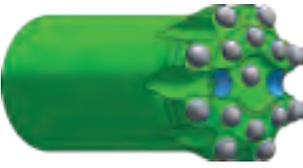
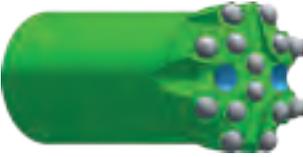
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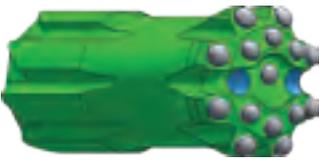
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ST45 TUBE DRILLING SYSTEM **CODE 44 - PRODUCTION BITS - EXTREME DROP CENTRE**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	8 x 11mm	7 x 10mm	2 x 13mm	0	35°	4744-4476	2.6
	89	8 x 13mm	6 x 12mm	2 x 16mm	1 x 8mm	35°	4744-4489	3.6

ST45 TUBE DRILLING SYSTEM **CODE 46 - PRODUCTION BITS - EXTREME DROP CENTRE RETRAC**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	76	8 x 11mm	7 x 10mm	2 x 13mm	0	35°	4744-4676	2.8
	89	8 x 13mm	6 x 12mm	2 x 16mm	1 x 8mm	35°	4744-4689	3.8

ST45 TUBE DRILLING SYSTEM **CODE 52 - PILOT REAMER**

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	9 x 13mm	0	3 x 12mm	0	40°	4744-5202-70	5.2
	115	15 x 14mm	3 x 12mm	4 x 11mm	0	35°	4744-5215-70	6.9
	127	15 x 16mm	0	3 x 16 mm	0	40°	4744-5227-70	9.2
	152	18 x 16mm	0	3 x 16 mm	0	40°	4744-5252-70	11.7

ST45 TUBE DRILLING SYSTEM **DRILL TUBE - SHOULDER DRIVE TUBES**

Ø 16mm Flushing hole	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	64	1525mm (5') DRILL TUBE	5644-6415SD	25.0
	64	1830mm (6') DRILL TUBE	5644-6418SD	29.8

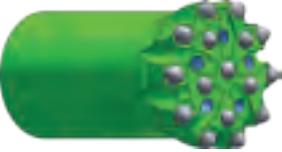
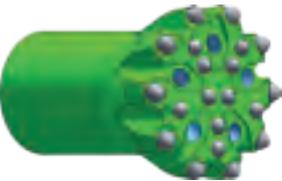
Rock Drilling Equipment

UNDERGROUND PRODUCTION & LONG HOLE DRILLING

ST58 THREAD

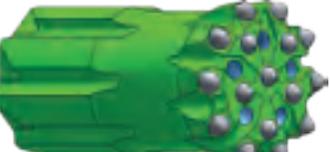


CODE 30 - PRODUCTION BITS - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	10 x 12mm	6 x 11mm	5 x 10mm	1 x 6mm	35°	4758-3089	4.3
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4758-3002	6.2
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4758-3015	7.2
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	4758-3027	8.4



CODE 32 - PRODUCTION BITS - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	10 x 12mm	6 x 11mm	5 x 10mm	1 x 6mm	35°	4758-3289	4.3
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4758-3202	6.2
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4758-3215	7.2
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	4758-3227	8.4

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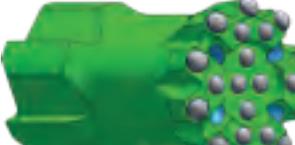
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CODE 40 - PRODUCTION BITS - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 13mm	5 x 11mm	4 x 8mm	0	35°	4758-4089	4.2
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4758-4002	6.2
	115	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4758-4015	7.0
	127	10 x 16mm	10 x 14mm	4 x 12mm	0	35°	4758-4027	8.5

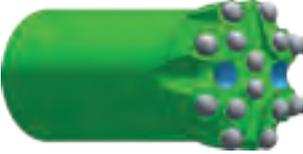
CODE 42 - PRODUCTION BITS - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 13mm	5 x 12mm	3 x 11mm	0	35°	4758-4289	4.2
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4758-4202	6.2
	115	9 x 14mm	6 x 12mm	3 x 11mm	0	35°	4758-4215	8.9
	127	10 x 16mm	10 x 14mm	4 x 12mm	0	35°	4758-4227	11.4

UNDERGROUND PRODUCTION & LONG HOLE DRILLING

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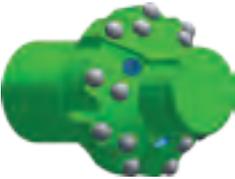
CODE 44 - PRODUCTION BITS - EXTREME DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 13mm	6 x 12mm	2 x 16mm	1 x 8mm	35°	4758-4489	4.3

CODE 46 - PRODUCTION BITS - EXTREME DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	89	8 x 13mm	6 x 12mm	2 x 16mm	1 x 8mm	35°	4758-4689	4.5

CODE 52 - PILOT REAMER

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	127	15 x 16mm	0	3 x 16 mm	0	40°	4758-5227-80	9.2
	152	15 x 16mm	0	3 x 16 mm	0	40°	4758-5252-80	11.7
	203	17 x 16mm	0	3 x 16 mm	0	35°	4758-5203-128	24.2

DRILL TUBE - SHOULDER DRIVE TUBES

Ø 26mm Flushing hole

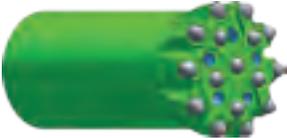
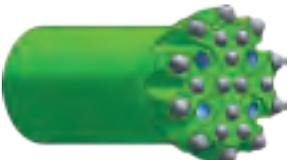
	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	76	1525mm (5') DRILL TUBE	5658-7615SD	32.9
	76	1830mm (6') DRILL TUBE	5658-7618SD	39.0

UNDERGROUND PRODUCTION & LONG HOLE DRILLING

ST68 THREAD



CODE 30 - PRODUCTION BITS - NINJA

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4768-3002	5.9
	115	10 x 14mm	10 x 12mm	4 x 12mm	2 x 8mm	35°	4768-3015	6.6



CODE 32 - PRODUCTION BITS - NINJA RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	10 x 13mm	6 x 12mm	5 x 10mm	1 x 7mm	35°	4768-3202	9.3
	127	10 x 14mm	10 x 12mm	5 x 12mm	0	35°	4768-3227	11.6

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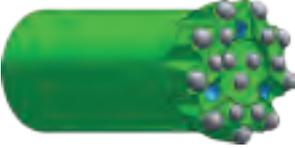
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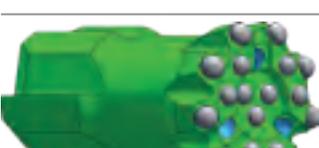
UNDERGROUND PRODUCTION & LONG HOLE DRILLING

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CODE 40 - PRODUCTION BITS - DROP CENTRE

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	9 x 14mm	9 x 12mm	3 x 12mm	0	35°	4768-4002	5.9
	115	9 x 14mm	9 x 12mm	4 x 11mm	0	35°	4768-4015	7.0
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	4768-4027	8.5

CODE 42 - PRODUCTION BITS - DROP CENTRE RETRAC

	DIA Ø (D) mm	GAUGE CARBIDES	FACE CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	102	9 x 14mm	9 x 12mm	3 x 11mm	0	35°	4768-4202	6.5
	115	9 x 16mm	9 x 14mm	3 x 12mm	0	35°	4768-4215	8.9
	127	10 x 14mm	10 x 12mm	5 x 11mm	0	35°	4768-4227	11.4

CODE 52 - PILOT REAMER

	DIA Ø (D) mm	GAUGE CARBIDES	PILOT CARBIDES	FACE FLUSHING	SIDE FLUSHING	GAUGE ANGLE	CAT. NUMBER	WEIGHT (Kg)
	127	15 x 16mm	0	3 x 16 mm	0	40°	4768-5227-80	9.2
	152	15 x 16mm	0	3 x 16 mm	0	40°	4768-5252-80	11.7
	203	16 x 16mm	0	4 x 16 mm	0	35°	4768-5203-128	24.2

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SHOULDER DRIVE TUBES

Ø 30mm Flushing hole	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	87	1220mm (4') DRILL TUBE	5668-8712SD	31.3
	87	1525mm (5') DRILL TUBE	5668-8715SD	38.5
	87	1830mm (6') DRILL TUBE	5668-8718SD	45.7

SHOULDER DRIVE TUBES - (WITH WATER VALVE)

Ø 30mm Flushing hole	DIA Ø (D) mm	EFFECTIVE LENGTH (L) mm	CAT. NUMBER	WEIGHT (Kg)
	87	1220mm (4') DRILL TUBE	5668-8712SDV	31.3
	87	1525mm (5') DRILL TUBE	5668-8715SDV	38.5
	87	1830mm (6') DRILL TUBE	5668-8718SDV	45.7

Rock Drilling Equipment

SHANK INDEX MACHINE REFERENCE TABLE

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	
	T38	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	
	T38	14	356	5488-1417-14	
	R32	14	387	5432-1517-14	
	T38	14	387	5488-1517-14	

BOART					
HD65 (female)	R32F	N/A	324	5432-13226-00	06
HD65	R32	N/A	445	5432-1868-00	07
HD125, HD150	R32	N/A	495	5432-2048-00	08
	R38	N/A	495	5438-2048-00	
	T38	N/A	495	5488-2048-00	

CANNON					
CH38 (JOYJH-2) (55mm Body, Fem.)	T38F	N/A	390	5488-15200-00	09
CH38 (JOYJH-2) (55mm Body)	T45	N/A	525	5495-21201-00	10
CH38 (JOYJH-2) (38mm Body)	T38	N/A	444	5488-17195-00	11
JOY VCR260 /360	T38	16	432	5488-1747-16	12

DOOFOR					
DF425/430S	R25	N/A	400	5425-16210-00	13
	R28	N/A	400	5428-16210-00	
DF528	R32	N/A	424	5432-17234-00	14
DF528HD	R32	N/A	470	5432-19135-00	15
	R38	N/A	470	5438-19135-00	
	T38	N/A	470	5488-19135-00	
DF545	R32	N/A	515	5432-20233-00	16
	R38	N/A	515	5438-20233-00	
	T38	N/A	515	5488-20233-00	
DF545HD	R32	N/A	515	5432-20236-00	17
	R38	N/A	515	5438-20236-00	
	T38	N/A	515	5488-20236-00	
	T45	N/A	515	5495-20236-00	
DF545EXT	R32	N/A	582	5432-23237-00	18
	R38	N/A	582	5438-23237-00	
	T38	N/A	582	5488-23237-00	
DF545EXT HD	R32	N/A	582	5432-23239-00	19
	R38	N/A	582	5438-23239-00	
	T38	N/A	582	5488-23239-00	
	T45	N/A	582	5495-23239-00	
	T38	N/A	560	5488-22273-00	
DF800 (55mm BODY)	T45	N/A	560	5495-22273-00	20
	T51	N/A	560	5499-22273-00	
	CT60	N/A	600	5490-24252-00	

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
EIROC					
BBE57, MONT H100	T38	14	537	5488-2108-14	22
	T45	14	537	5495-2108-14	
COP125, 130, 131	R32	14	405	5432-1618-14	23
	T38	14	381	5488-1518-14	
COP131EB	T38	14	381	5488-15118-14	24
1028HB	R28	N/A	400	5428-1655-00	25
	R32	N/A	400	5432-1655-00	
COP 1032LE/HB	R32	N/A	550	5432-2270-00	26
	T38	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	27
	T38	N/A	485	5488-1929-00	
	T38	N/A	500	5488-2029-00	
	T45	N/A	500	5495-2029-00	
	R32	N/A	575	5432-2329-00	
	T38	N/A	575	5488-2329-00	
	T45	N/A	575	5495-2329-00	
COP1036HB, 1038HB, 1238 (COLLAR)	T45	N/A	590	5495-2429-00	28
	R32	N/A	575	5432-2376-00	
	R38	N/A	575	5438-2376-00	
	T38	N/A	575	5488-2376-00	
COP1132	T45	N/A	575	5495-2376-00	29
	R28	N/A	410	5428-16181-00	
	R32	N/A	410	5432-16181-00	
	T35	N/A	410	5485-16181-00	
COP1132 (FEM.)	R32	N/A	500	5432-20181-00	30
	T35	N/A	500	5485-20181-00	
	R32F	N/A	280	5432-11203-00	
COP1432, COP1532 FEM.	R32F	N/A	341	5432-13147-00	31
	R38F	N/A	341	5438-13147-00	
	T38F	N/A	341	5488-13147-00	
COP1338 EXTRACTOR	R32	N/A	780	5432-31121-00	32
	T38	N/A	780	5488-31121-00	
	T45	N/A	780	5495-31121-00	
COP1435	R32	N/A	410	5432-16235-00	33
	T35	N/A	410	5485-16235-00	
	R32	N/A	500	5432-20235-00	
	T35	N/A	500	5485-20235-00	
RD14S, RD18S, RD22S	T38	N/A	655	5488-26281-00	34
	T45	N/A	655	5495-26281-00	
	T51	N/A	655	5499-26281-00	
COP MD20	T38	N/A	470	5488-19271-00	35
COP1440, COP1550, COP1638, COP1838, COP2238	R32	N/A	435	5432-1762-00	36
	T35	N/A	435	5485-1762-00	
	R38	N/A	435	5438-1762-00	
	T38	N/A	435	5488-1762-00	
	R32	N/A	525	5432-2162-00	
	T35	N/A	525	5485-2162-00	
	R38	N/A	525	5438-2162-00	
T38	N/A	525	5488-2162-00		

SHANK INDEX MACHINE REFERENCE TABLE

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
COP1440, COP1550, 1838HD (D=52mm)	R32	N/A	525	5432-2163-00	37
	T35	N/A	525	5485-2163-00	
	T38	N/A	525	5488-2163-00	
	T45	N/A	525	5495-2163-00	
	T51	N/A	525	5499-2163-00	
COP1838MUX	T38	N/A	730	5488-29221-00	38
	T45	N/A	730	5495-29221-00	
COP 1838EX	T38	N/A	730	5488-29126-00	39
	T45	N/A	730	5495-29126-00	
	T51	N/A	730	5499-29126-00	
COP 1850, 1840HE, 2150HE	T45	N/A	565	5495-22127-00	40
	T51	N/A	565	5499-22127-00	
	T51	N/A	770	5499-30127-00	
COP 2150/2550 (STRAIGHT SPLINE)	T51	N/A	770	5499-30227-00	41
COP 1240/1640/1840/1850/2150/2550HEX	T38	N/A	770	5488-30129-00	42
	T45	N/A	770	5495-30129-00	
	T51	N/A	770	5499-30129-00	
COP 2550UX	T45	N/A	770	5495-30243-00	43
	ST45	N/A	770	5444-30243-00	
	T51	N/A	770	5499-30243-00	
COP 2160/2560 EXTRACTOR	T51	N/A	770	5499-30204-00	44
	CT60	N/A	770	5490-30204-00	
COP2160/2560	T45	N/A	770	5495-30212-00	45
	T51	N/A	770	5499-30212-00	
COP2160HE/2560HE/SC25-HE	T45	N/A	770	5495-30276-00	46
	T51	N/A	770	5499-30276-00	
	CT60	N/A	770	5490-30276-00	
COP2160HEX/2560HEX/SC25-HEX	T45	N/A	770	5495-30264-00	47
	T51	N/A	770	5499-30264-00	
	CT60	N/A	770	5490-30264-00	
COP 3038	T38	N/A	435	5488-17183-00	48
	T45	N/A	435	5495-17183-00	
	T38	N/A	525	5488-21183-00	
COP 3038HE (Helical)	T38	N/A	435	5488-17224-00	49
	T45	N/A	435	5495-17224-00	
	T38	N/A	525	5488-21224-00	
COP 3060 MUX	ST58	N/A	745	5458-29259-00	50
	ST68	N/A	745	5468-29259-00	
COP 3060MEX	T51	N/A	840	5499-33244-00	51
	ST58	N/A	840	5460-33244-00	
	CT60	N/A	840	5490-33244-00	
COP4050 MEX (52mm BODY)	T45	N/A	605	5495-24302-00	52
	T51	N/A	605	5499-24302-00	
	CT60	N/A	605	5490-24302-00	
COP4050 MEX (70mm BODY)	T51	N/A	700	5499-28303-00	53
	CT60	N/A	700	5490-28303-00	
COP4050 MUX	ST58	N/A	835	5458-33199-00	54
	ST68	N/A	835	5468-33199-00	

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
FURUKAWA					
PD200 (H/D CHUCK)	R38	14	381	5438-1514-14	55
	T38	14	381	5488-1514-14	
	T45	14	381	5495-1514-14	
HD90	T38	N/A	512	5488-20107-00	56
HD150	R38	N/A	520	5438-21117-00	57
	T38	N/A	520	5488-21117-00	
HD180	T38	14	455	5488-1809-14	58
HD190	R38	N/A	480	5438-19109-00	59
	T38	N/A	480	5488-19109-00	
HD210	T38	N/A	430	5488-17215-00	60
HD220	T38	N/A	490	5488-19278-00	61
	T38	16	655	5488-2620-16	
HD260, HD300	T45	16	655	5495-2620-16	62
	T38	16	625	5488-25148-16	
HD500 (6 SPLINE)	T45	16	625	5495-25148-16	63
	T38	N/A	615	5488-2490-00	
HD609	T45	N/A	615	5495-2490-00	64
	T38	N/A	690	5488-2790-00	
	T45	N/A	690	5495-2790-00	
	T38	N/A	860	5488-34132-00	
HD609QED	T45	N/A	860	5495-34132-00	65
	T45	N/A	710	5495-28112-00	
HD612	T51	N/A	710	5499-28112-00	66
	T45	N/A	900	5495-36134-00	
HD612QED	T51	N/A	900	5499-36134-00	67
	T51	N/A	880	5499-35136-00	
HD615	T51	N/A	880	5499-35139-00	68
HD615QED	T51	N/A	880	5499-35139-00	69
HD709, HD818	T45	N/A	620	5499-24177-00	70
HD709QED, HD709RP, HD818RP	T45	N/A	800	5495-31180-00	71
HD712, HD822, HD826	T45	N/A	590	5495-23161-00	72
	T51	N/A	590	5499-23161-00	
	T45	N/A	790	5495-31161-00	
	T51	N/A	790	5499-31161-00	
HD712QED, HD712RP, HD822RP, HD826RP	T45	N/A	880	5495-35164-00	73
	T51	N/A	880	5499-35164-00	
HD715, HD828	T51	N/A	790	5499-31167-00	74
HD715QED, HD715RP	T51	N/A	885	5499-35175-00	75
HD822 RP/ HD826RP	CT60	N/A	864	5490-34292-00	76
HD836	CT60	N/A	794	5490-31293-00	77

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SHANK INDEX MACHINE REFERENCE TABLE

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
INGERSOLL RAND					
YD90M	R32	10	330	5432-1333-10	78
YH65, 70, 75, 80	T38	19	496	5488-2083-19	79
	T45	19	496	5495-2083-19	
	T38	19	610	5488-2483-19	
	T45	19	610	5495-2483-19	
YH65RP, 80RP	T38	19	700	5488-2892-19	80
	T45	19	700	5495-2892-19	
YH80A	T45	19	500	5495-20114-19	81
YH 95,100	T45	22	622	5495-2584-22	82
	T51	22	622	5499-2584-22	
YH110VRP, YH135RP	T45	N/A	900	5495-35104-00	83
	T51	N/A	900	5499-35104-00	
MONTABERT					
HC20 (D=45mm) FEM.	R32F	N/A	187	5432-07202-00	84
HC20 (D=45mm)	R32	N/A	287	5432-11194-00	85
HC25 (D=45mm)	R32	N/A	287	5432-11207-00	86
	T35	N/A	287	5485-11207-00	
	R38	N/A	287	5438-11207-00	
	T38	N/A	287	5488-11207-00	
HC25 (D=45mm) FEM.	R32	N/A	202	5432-08208-00	87
HC28	R32	N/A	385	5432-15272-00	88
	R38	N/A	385	5438-15272-00	
	T38	N/A	385	5488-15272-00	
HC40/HC50 (D=38mm)	R32	N/A	381	5432-1564-00	89
	T35	N/A	381	5485-1564-00	
	R38	N/A	381	5438-1564-00	
	T38	N/A	381	5488-1564-00	
	R32	N/A	438	5432-1764-00	
	T35	N/A	438	5485-1764-00	
	R38	N/A	438	5438-1764-00	
	T38	N/A	438	5488-1764-00	
HC40 FEMALE (D=45mm)	R32	N/A	270	5432-1099-00	90
HC80, HC90, HC105 (D=38mm)	R38	N/A	440	5438-1756-00	91
	T38	N/A	440	5488-1756-00	
	R38	N/A	508	5438-2056-00	
	T38	N/A	508	5488-2056-00	
HC95LA	R38	N/A	438	5438-17238-00	92
	T38	N/A	438	5488-17238-00	
	T45	N/A	453	5495-18238-00	
HC95SXA	R38	N/A	468	5438-18301-00	93
	T38	N/A	468	5488-18301-00	
HC95LM	R32	N/A	503	5432-20240-00	94
	R38	N/A	503	5438-20240-00	
	T38	N/A	503	5488-20240-00	
	T45	N/A	518	5495-20240-00	
HC95LM MK2	R38	N/A	503	5438-20277-00	95
	T38	N/A	503	5488-20277-00	
	T45	N/A	518	5495-21277-00	

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
HC95LQ	T45	N/A	518	5495-20241-00	96
	T51	N/A	530	5499-21241-00	
HC80, HC110, HC120 (D=45mm)	R38	N/A	415	5438-1657-00	97
	T38	N/A	415	5488-1657-00	
	T45	N/A	425	5495-1757-00	
	R38	N/A	460	5438-1857-00	
	T38	N/A	460	5488-1857-00	
	R38	N/A	490	5438-1957-00	
	T38	N/A	490	5488-1957-00	
	T45	N/A	490	5495-1957-00	
	R38	N/A	530	5438-2157-00	
	T38	N/A	530	5488-2157-00	
HC80R, HC105R, HC107R, HC108R, HC109R, HC110R, HC112R HC120R (D=45mm)	T35	N/A	670	5485-2795-00	98
	T38	N/A	670	5488-2795-00	
	T45	N/A	670	5495-2795-00	
	T45	N/A	770	5495-3095-00	
HC112R, HC120R, HC150R, HC155R, HC158R (D=51mm)	T45	N/A	670	5495-27131-00	99
	T51	N/A	670	5499-27131-00	
	T45	N/A	770	5495-30131-00	
	T51	N/A	770	5499-30131-00	
HC95LQ	T51	N/A	726	5499-29299-00	100
	CT60	N/A	726	5490-29299-00	
HC160, 170	T45	N/A	807	5495-32152-00	101
	T51	N/A	807	5499-32152-00	
	CT60	N/A	807	5490-32152-00	
HC200A	T51	N/A	840	5499-33133-00	102
	ST58	N/A	840	5460-33133-00	
	CT60	N/A	840	5490-33133-00	
SANDVIK					
HL300S FEM.	R32	N/A	245	5432-1096-00	103
HL300	R32	N/A	400	5432-1612-00	104
	R32	N/A	500	5432-2012-00	
L400, L410, L500, L510	R32	10	381	5432-1519-10	105
HLR438, L550	R38	12	381	5438-1535-12	106
	T38	12	381	5488-1535-12	
HL438TS, HL538	R38	N/A	450	5438-1835-00	107
	T38	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)	T38	N/A	495	5488-2035-00	108
	R32	N/A	450	5432-1881-00	
	R38	N/A	450	5438-1881-00	
	T38	N/A	450	5488-1881-00	
	T38	N/A	500	5488-2081-00	
HL500, HL510 (D=45mm)	T38	N/A	550	5488-2281-00	109
	R32	N/A	550	5432-22128-00	
	T35	N/A	550	5485-22128-00	
	T38	N/A	550	5488-22128-00	
	T45	N/A	550	5495-22128-00	

SHANK INDEX MACHINE REFERENCE TABLE

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
HL500 (FEM.)	R32	N/A	350	5432-1481-00	110
HL550 SUPER, 560 SUPER	T35	N/A	460	5485-1882-00	111
	R38	N/A	460	5438-1882-00	
	T38	N/A	460	5488-1882-00	
	T35	N/A	500	5485-2082-00	
	R38	N/A	500	5438-2082-00	
	T38	N/A	500	5488-2082-00	
	T45	N/A	500	5495-2082-00	
HLX1, RD106	R25	N/A	255	5425-10231-00	112
R28	N/A	255	5428-10231-00		
RD308, RD314, RD414(FEM.)	R32	N/A	205	5432-08223-00	113
RD308, RD314, RD414	R32	N/A	410	5432-16248-00	114
	T35	N/A	410	5485-16248-00	
	T38	N/A	410	5488-16248-00	
RD520/RD525	T38	N/A	525	5488-21228-00	115
	T35	N/A	600	5485-24228-00	
	T38	N/A	600	5488-24228-00	
	T35	N/A	745	5485-29228-00	
	T38	N/A	745	5488-29228-00	
RD520/RD525-PE	R32	N/A	745	5432-29232-00	116
	T35	N/A	745	5485-29232-00	
	T38	N/A	745	5488-29232-00	
HLX5/HFX5T	R32	N/A	500	5432-20150-00	117
	T35	N/A	500	5485-20150-00	
	R38	N/A	500	5438-20150-00	
	T38	N/A	500	5488-20150-00	
	T45	N/A	500	5495-20150-00	
	R32	N/A	575	5432-23150-00	
	T35	N/A	575	5485-23150-00	
	T38	N/A	575	5488-23150-00	
	T45	N/A	575	5495-23150-00	
	T35	N/A	720	5485-28150-00	
T38	N/A	720	5488-28150-00		
HLX5/PE-45	R32	N/A	575	5432-23213-00	118
	T38	N/A	575	5488-23213-00	
	R32	N/A	720	5432-28213-00	
	T38	N/A	720	5488-28213-00	
HL600 (D=45mm)	T38	N/A	525	5488-2167-00	119
	T45	N/A	525	5495-2167-00	
	T38	N/A	600	5488-2467-00	
	T45	N/A	600	5495-2467-00	
HL600 (D=52mm)	T45	N/A	650	5495-2697-00	120
	T51	N/A	650	5499-2697-00	
HL700/HL710/HL800T/HF810T/HL650 (D=45mm)	T38	N/A	600	5488-24120-00	121
	T45	N/A	600	5495-24120-00	
HL700, HL710, HL800, HF810, HL650, HL810 (D=52mm)	T38	N/A	600	5488-24125-00	122
	T45	N/A	600	5495-24125-00	
	ST45	N/A	600	5444-24125-00	
	T51	N/A	600	5499-24125-00	

SHANKS	THREAD	TUBE SIZE mm	LENGTH mm	CATALOGUE NUMBER	FIGURE NUMBER
RD900 PE-52	T38	N/A	600	5488-24300-00	123
	T45	N/A	600	5495-24300-00	
	ST45	N/A	600	5444-24300-00	
	T51	N/A	600	5499-24300-00	
	T45	N/A	820	5495-32300-00	
	T51	N/A	820	5499-32300-00	
	HL1000, HL1010, HL1010S (D=52mm)	T45	N/A	590	
T51		N/A	590	5499-2360-00	
T45		N/A	670	5495-2660-00	
T51		N/A	670	5499-2660-00	
HL1000, HL1010 (D=60mm)	T51	N/A	670	5499-26162-00	125
	ST58	N/A	670	5460-26162-00	
	CT60	N/A	670	5490-26162-00	
HL1000 (80mm) HL1010 (SHOULDER DRIVE)	ST58	N/A	635	5458-25110-00	126
	ST68	N/A	635	5468-25110-00	
HL1000 EXTRACTOR (D=52mm)	T51	N/A	840	5499-33101-00	127
HL1500 (D=60mm)	T51	N/A	760	5499-30140-00	128
	ST58	N/A	760	5460-30140-00	
	CT60	N/A	760	5490-30140-00	
HL1500 (D=80mm) (SHOULDER DRIVE)	ST58	N/A	635	5458-25158-00	129
	ST68	N/A	635	5468-25158-00	
HL1500 (D=80mm) (SHOULDER DRIVE w/COLLAR)	CT60	N/A	760	5490-30158-00	130
HL1500PE, 1000PE, 1560T (D=65mm)	T51	N/A	760	5499-30166-00	131
	ST58	N/A	760	5460-30166-00	
	CT60	N/A	760	5490-30166-00	
RD900 PE65	T51	N/A	670	5499-26256-00	132
	ST58	N/A	670	5460-26256-00	
	CT60	N/A	670	5490-26256-00	
RD900-PE70	ST58	N/A	670	5458-26291-00	133
	ST68	N/A	670	5468-26291-00	
HL1500 SPE-90	ST58	N/A	635	5458-25188-00	134
	ST68	N/A	635	5468-25188-00	
	CT60	N/A	763	5490-30188-00	

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FIGURE 1

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 2

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 3

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	2.0
R25	10	381	5425-1501-10	2.0
R32	10	381	5432-1501-10	2.0

FIGURE 4

A/COPCO BBC51, 52, 54, 120, MONTABERT H50, H60, H70



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	10	381	5432-1503-10	3.0
R38	10	381	5438-1503-10	3.0
T38	10	381	5488-1503-10	3.0

FIGURE 5

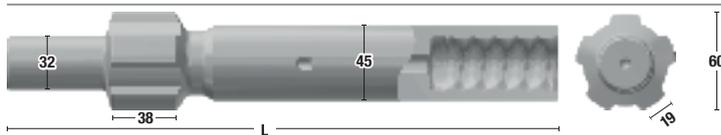
VL120, 130, 140, HOLMAN 115R, TAMROCK L750, GD PR123, IR URD475, 550, TAMROCK L750, FURUKAWA M120, PD200, HD200



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
T38	14	356	5488-1417-14	3.5
R32	14	387	5432-1517-14	4.0
T38	14	387	5488-1517-14	4.0

FIGURE 6 - BOART

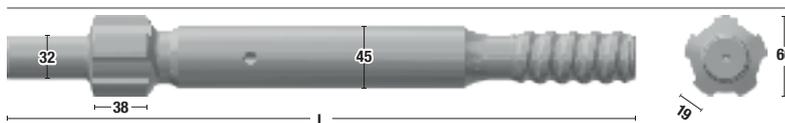
HD65 (FEMALE)



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

FIGURE 7 - 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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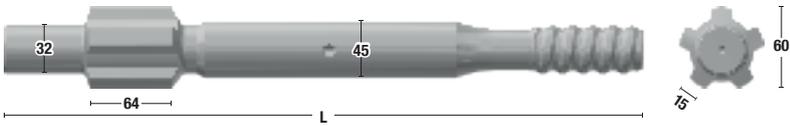
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FIGURE 8 - BOART

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	5.0
T38	N/A	495	5488-2048-00	5.0

FIGURE 9 - CANNON

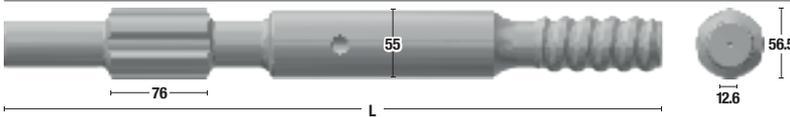
CH38 (JOYJH-2) (55mm BODY, FEM.)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38F	N/A	390	5488-15200-00	5.0

FIGURE 10 - CANNON

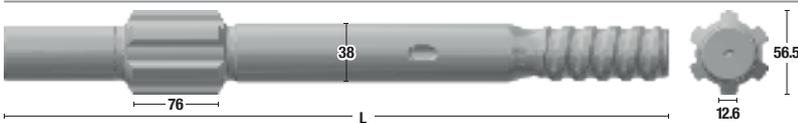
CH38 (JOYJH-2) (55mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	525	5495-21201-00	6.0

FIGURE 11 - CANNON

CH38 (JOYJH-2) (38mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	444	5488-17195-00	4.0

FIGURE 12 - JOY

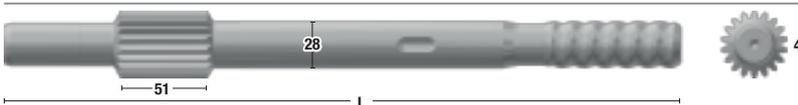
JOY VCR260/360



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	432	5488-1747-16	4.0

FIGURE 13 - DOOFOR

DF425/430S



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R25	N/A	400	5425-16210-00	3.0
R28	N/A	400	5428-16210-00	3.0

FIGURE 14 - DOOFOR

DF528, DF500S, DF530S



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

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FIGURE 15 – 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
T38	N/A	470	5488-19135-00	3.8

FIGURE 16 – DOOFOR

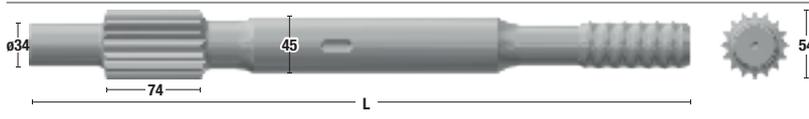
DF545, DF550S, DF550L, DF540L



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	515	5432-20233-00	4.0
R38	N/A	515	5438-20233-00	4.1
T38	N/A	515	5488-20233-00	4.1

FIGURE 17 – DOOFOR

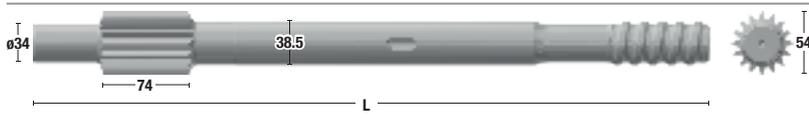
DF545HD, DF560



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
T38	N/A	515	5488-20236-00	5.3
T45	N/A	515	5495-20236-00	5.6

FIGURE 18 – DOOFOR

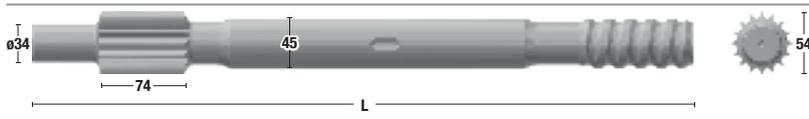
DF545EXT, DF550LEXT



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	5.0
T38	N/A	582	5488-23237-00	5.0

FIGURE 19 – 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
T38	N/A	582	5488-23239-00	5.7
T45	N/A	582	5495-23239-00	5.9

FIGURE 20 – DOOFOR

DF800 (55mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	560	5488-22273-00	9.8
T45	N/A	560	5495-22273-00	10.3
T51	N/A	560	5499-22273-00	10.8

FIGURE 21 – DOOFOR

DF800 (60mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
CT60	N/A	600	5490-24252-00	10.0

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FIGURE 22 – EPIROC

BBE57, MONT H100



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	14	537	5488-2108-14	5.0
T45	14	537	5495-2108-14	5.0

FIGURE 23 – EPIROC

COP125, 130, 131



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	14	405	5432-1618-14	3.0
T38	14	381	5488-1518-14	3.0

FIGURE 24 – EPIROC

COP131EB



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	14	381	5488-15118-14	3.2

FIGURE 25 – EPIROC

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 26 – EPIROC

COP 1032LE/HB



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	550	5432-2270-00	5.0
T38	N/A	550	5488-2270-00	5.0

FIGURE 27 – EPIROC

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



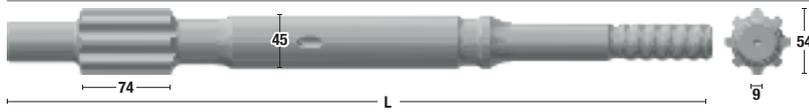
THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	485	5438-1929-00	4.0
T38	N/A	485	5488-1929-00	4.0
T38	N/A	500	5488-2029-00	4.5
T45	N/A	500	5495-2029-00	4.5
R32	N/A	575	5432-2329-00	5.0
T38	N/A	575	5488-2329-00	5.2

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FIGURE 28 - EPIROC

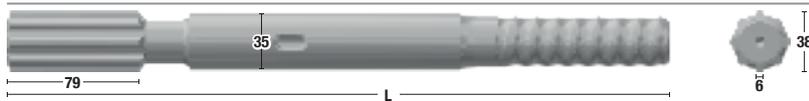
COP1036HB,1038HB, 1238 (COLLAR)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	575	5432-2376-00	5.0
R38	N/A	575	5438-2376-00	5.2
T38	N/A	575	5488-2376-00	5.2
T45	N/A	575	5495-2376-00	5.5

FIGURE 29 - EPIROC

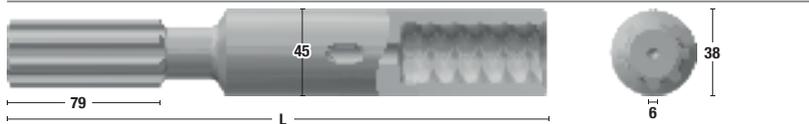
COP 1132, COP RR11



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
T35	N/A	410	5485-16181-00	2.5
R32	N/A	500	5432-20181-00	3.0
T35	N/A	500	5485-20181-00	3.0

FIGURE 30 - EPIROC

COP1132, COP RR11 (FEM.)



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

FIGURE 31 - EPIROC

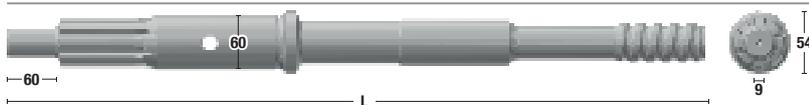
COP1432, COP1532 FEM.



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
T38F	N/A	341	5488-13147-00	4.5

FIGURE 32 - EPIROC

COP1338 EXTRACTOR



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	780	5432-31121-00	10.5
T38	N/A	780	5488-31121-00	11.0
T45	N/A	780	5495-31121-00	11.5

FIGURE 33 - EPIROC

COP 1135, COP1140, COP1435, COP RR14, COP SC14



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	410	5432-16235-00	2.6
T35	N/A	410	5485-16235-00	2.6
R32	N/A	500	5432-20235-00	3.0
T35	N/A	500	5485-20235-00	3.1

FIGURE 34 - EPIROC

RD 14S, RD18S, RD22S



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	655	5488-26281-00	8.5
T45	N/A	655	5495-26281-00	9.0
T51	N/A	655	5499-26281-00	9.5

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FIGURE 35 – EPIROC

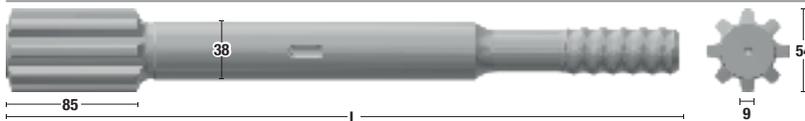
COP MD20



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	470	5488-19271-00	4.2
T38	N/A	560	5488-22271-00	4.8

FIGURE 36 – EPIROC

COP1432, COP1440, COP1532, COP1550, COP1638, COP1838, COP2238



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	435	5432-1762-00	3.6
T35	N/A	435	5485-1762-00	3.8
R38	N/A	435	5438-1762-00	3.9
T38	N/A	435	5488-1762-00	3.9
R32	N/A	525	5432-2162-00	4.2
T35	N/A	525	5485-2162-00	4.3
R38	N/A	525	5438-2162-00	4.5
T38	N/A	525	5488-2162-00	4.5

FIGURE 37 – EPIROC

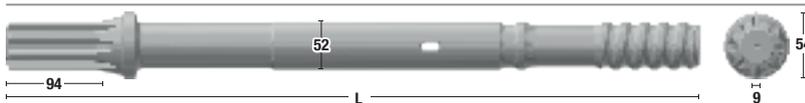
COP1440, COP1550, 1838HD (D=52mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	525	5432-2163-00	5.7
T35	N/A	525	5485-2163-00	5.9
T38	N/A	525	5488-2163-00	6.0
T45	N/A	525	5495-2163-00	6.2
T51	N/A	525	5499-2163-00	6.5

FIGURE 38 – EPIROC

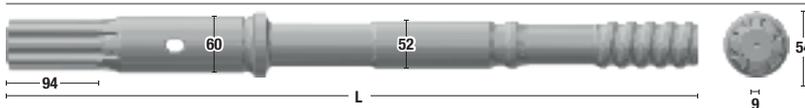
COP1838MUX, COP 1838 HUX



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	730	5488-29221-00	9.5
T45	N/A	730	5495-29221-00	10

FIGURE 39 – EPIROC

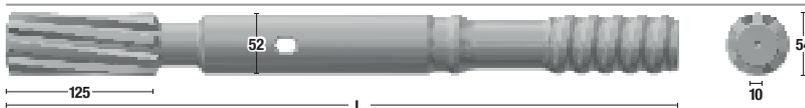
COP 1838EX



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	730	5488-29126-00	9.5
T45	N/A	730	5495-29126-00	10.0
T51	N/A	730	5499-29126-00	10.5

FIGURE 40 – EPIROC

COP 1240HE, 1640HE, 1840HE, 1850HE, 2150HE, COP 2550HE, COP SC16, SC19, SC25-HF



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	565	5495-22127-00	6.8
T51	N/A	565	5499-22127-00	7.2
T51	N/A	770	5499-30127-00	10

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FIGURE 41 - EPIROC

COP 2150/2550 (STRAIGHT SPLINE)		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T51	N/A	770	5499-30227-00	10.0

FIGURE 42 - EPIROC

COP 1240HEX, COP 1640HEX, COP 1840HEX, COP 1850HEX, COP 2150HEX, COP 2550HEX, COP SC19X, SC 25X-HF		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T38	N/A	770	5488-30129-00	10.5
		T45	N/A	770	5495-30129-00	10.8
		T51	N/A	770	5499-30129-00	11.0

FIGURE 43 - EPIROC

COP 2550UX		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T45	N/A	770	5495-30243-00	13.0
		ST45	N/A	770	5444-30243-00	13.0
		T51	N/A	770	5499-30243-00	13.3

FIGURE 44 - EPIROC

COP 2160/2560 EXTRACTOR		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T51	N/A	770	5499-30204-00	13.2
		CT60	N/A	770	5490-30204-00	13.5

FIGURE 45 - EPIROC

COP2160/2560		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T45	N/A	770	5495-30212-00	10.7
		T51	N/A	770	5499-30212-00	11.0

FIGURE 46 - EPIROC

COP2160HE/2560HE/SC25-HE		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T45	N/A	770	5495-30276-00	10.7
		T51	N/A	770	5499-30276-00	11.0
		T60	N/A	770	5492-30276-00	11.7
		CT60	N/A	770	5490-30276-00	11.7

FIGURE 47 - EPIROC

COP2160HEX/2560HEX/SC25-HEX		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T45	N/A	770	5495-30264-00	13.0
		T51	N/A	770	5499-30264-00	13.3
		T60	N/A	770	5492-30264-00	14.0
		CT60	N/A	770	5490-30264-00	14.0

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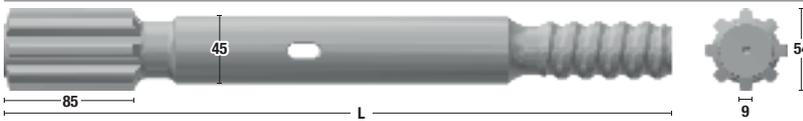
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FIGURE 48 - EPIROC

COP3038



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	435	5488-17183-00	4.5
T45	N/A	435	5495-17183-00	4.8
T38	N/A	525	5488-21183-00	5.2

FIGURE 49 - EPIROC

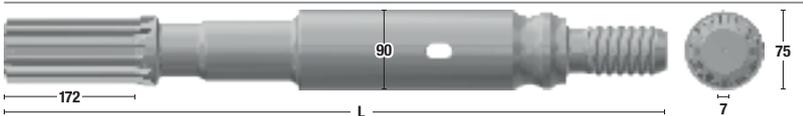
COP 3038HE, 4038HE



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	435	5488-17224-00	4.5
T45	N/A	435	5495-17224-00	4.8
T38	N/A	525	5488-21224-00	5.2

FIGURE 50 - EPIROC

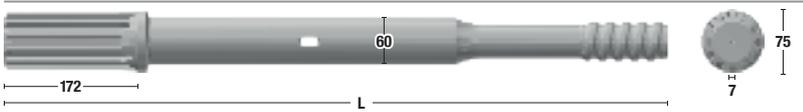
COP 3060MUX



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	745	5458-29259-00	24.0
ST68	N/A	745	5468-29259-00	24.0

FIGURE 51 - EPIROC

COP 3060MEX



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	840	5499-33244-00	16.0
ST58	N/A	840	5460-33244-00	17.0
CT60	N/A	840	5490-33244-00	17.0

FIGURE 52 - EPIROC

4050ME (52mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	605	5499-24302-00	7.3
T51	N/A	605	5499-24302-00	7.5

FIGURE 53 - EPIROC

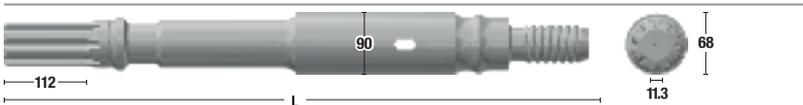
4050ME (70mm BODY)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	700	5499-28303-00	15.0
T60	N/A	700	5492-28303-00	15.3
CT60	N/A	700	5490-28303-00	15.3

FIGURE 54 - EPIROC

COP4050 MUX



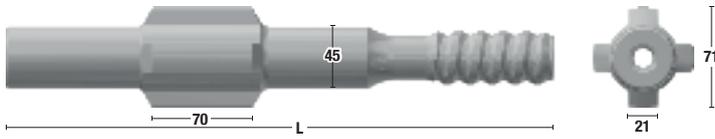
THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	835	5458-33199-00	27.0
ST68	N/A	835	5468-33199-00	27.5

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FIGURE 55 - FURUKAWA

PD200 (H/D CHUCK)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	14	381	5438-1514-14	3.7
T38	14	381	5488-1514-14	3.7
T45	14	381	5495-1514-14	3.9

FIGURE 56 - FURUKAWA

HD90



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	512	5488-20107-00	4.3

FIGURE 57 - FURUKAWA

HD150



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	520	5438-21117-00	4.0
T38	N/A	520	5488-21117-00	4.0

FIGURE 58 - FURUKAWA

HD180



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	14	455	5488-1809-14	3.8

FIGURE 59 - FURUKAWA

HD190



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	480	5438-19109-00	4.5
T38	N/A	480	5488-19109-00	4.5

FIGURE 60 - FURUKAWA

HD210



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	430	5488-17215-00	3.8

FIGURE 61 - FURUKAWA

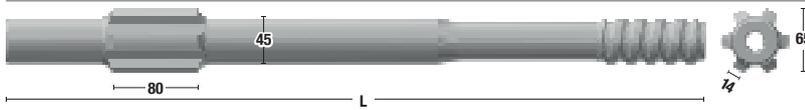
HD220



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	490	5488-19278-00	4.1

FIGURE 62 – FURUKAWA

HD260, HD300



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	16	655	5488-2620-16	6.0
T45	16	655	5495-2620-16	6.5

FIGURE 63 – FURUKAWA

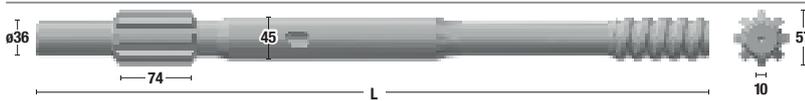
HD500 (6 SPLINE)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	16	625	5488-25148-16	8.3
T45	16	625	5495-25148-16	8.5

FIGURE 64 – FURUKAWA

HD609



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	615	5488-2490-00	6.3
T45	N/A	615	5495-2490-00	6.5
T38	N/A	690	5488-2790-00	7.0
T45	N/A	690	5495-2790-00	7.2

FIGURE 65 – FURUKAWA

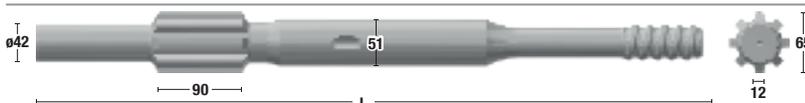
HD609QED



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	860	5488-34132-00	9.0
T45	N/A	860	5495-34132-00	9.2

FIGURE 66 – FURUKAWA

HD612



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	710	5495-28112-00	8.3
T51	N/A	710	5499-28112-00	8.5

FIGURE 67 – FURUKAWA

HD612QED



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	900	5495-36134-00	11.2
T51	N/A	900	5499-36134-00	11.4

FIGURE 68 – FURUKAWA

HD615



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	880	5499-35136-00	15.0

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FIGURE 69 - FURUKAWA

HD615QED	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T51	N/A	880	5499-35139-00	15.4

FIGURE 70 - FURUKAWA

HD709, HD818	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T45	N/A	620	5495-24177-00	6.2

FIGURE 71 - FURUKAWA

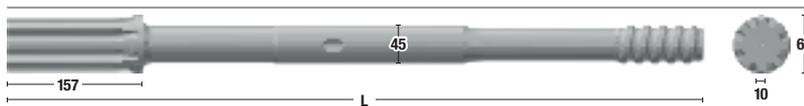
HD709QED, HD709RP, HD818RP	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T45	N/A	800	5495-31180-00	9.5

FIGURE 72 - FURUKAWA

HD712, HD822, HD826	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T45	N/A	590	5495-23161-00	7.0
	T51	N/A	590	5499-23161-00	7.3
	T45	N/A	790	5495-31161-00	9.9
	T51	N/A	790	5499-31161-00	10.2

FIGURE 73 - FURUKAWA

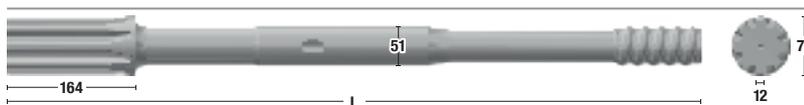
HD712QED, HD712RP, HD822RP, HD826RP	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T45	N/A	880	5495-35164-00	12.7
	T51	N/A	880	5499-35164-00	13.4

FIGURE 74 - FURUKAWA

HD715, HD828	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T51	N/A	790	5499-31167-00	12.7

FIGURE 75 - FURUKAWA

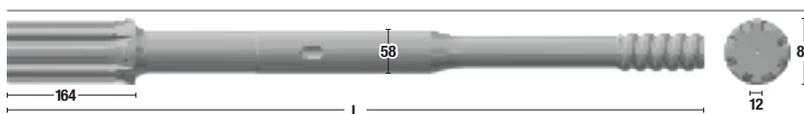
HD715QED, HD715RP	THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
	T51	N/A	885	5499-35175-00	16.0

FIGURE 76 - FURUKAWA

HD822RP/HD826RP



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	864	5499-34292-00	16.0
CT60	N/A	864	5490-34292-00	16.3

FIGURE 77 - FURUKAWA

HD836



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	794	5499-31293-00	18.0
CT60	N/A	794	5490-31293-00	18.3

FIGURE 78 - INGERSOLL RAND

YD90M



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

FIGURE 79 - INGERSOLL RAND

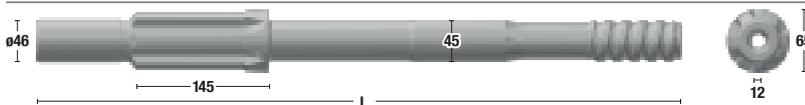
YH65, 70, 75, 80



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	19	496	5488-2083-19	4.7
T45	19	496	5495-2083-19	4.9
T38	19	610	5488-2483-19	5.5
T45	19	610	5495-2483-19	5.7

FIGURE 80 - INGERSOLL RAND

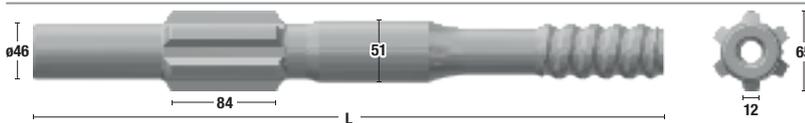
YH65RP, 80RP



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	19	700	5488-2892-19	8.0
T45	19	700	5495-2892-19	8.5

FIGURE 81 - INGERSOLL RAND

YH80A



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	19	500	5495-20114-19	6.4

FIGURE 82 - INGERSOLL RAND

YH 95,100



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	22	622	5495-2584-22	8.8
T51	22	622	5499-2584-22	9.0

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FIGURE 83 - INGERSOLL RAND

YH110VRP		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		T45	N/A	900	5495-35104-00	11.8
		T51	N/A	900	5499-35104-00	12.0

FIGURE 84 - 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 85 - MONTABERT

HC20 (D=45mm)		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	287	5432-11194-00	2.2
		T35	N/A	292	5485-11194-00	2.4
		T38	N/A	292	5488-11194-00	2.6

FIGURE 86 - MONTABERT

HC25 (D=45mm)		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	287	5432-11207-00	2.3
		T35	N/A	287	5485-11207-00	2.4
		R38	N/A	287	5438-11207-00	2.5
		T38	N/A	287	5488-11207-00	2.5

FIGURE 87 - MONTABERT

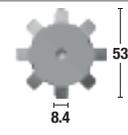
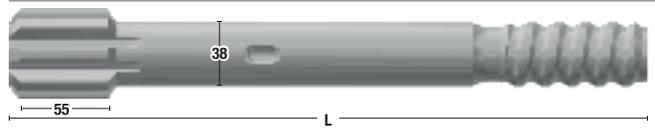
HC25 (D=45mm) FEM.		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	202	5432-08208-00	2.6

FIGURE 88 - MONTABERT

HC28		THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
		R32	N/A	385	5432-15272-00	3.6
		T35	N/A	385	5485-15272-00	3.7
		T38	N/A	385	5488-15272-00	3.8

FIGURE 89 – MONTABERT

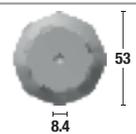
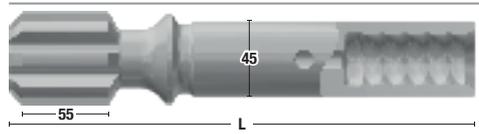
HC40/HC50 (D=38mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	381	5432-1564-00	3.0
T35	N/A	381	5485-1564-00	3.2
R38	N/A	381	5438-1564-00	3.3
T38	N/A	381	5488-1564-00	3.3
R32	N/A	438	5432-1764-00	3.5
T35	N/A	438	5485-1764-00	3.6
R38	N/A	438	5438-1764-00	3.7
T38	N/A	438	5488-1764-00	3.7

FIGURE 90 – MONTABERT

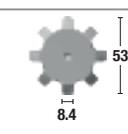
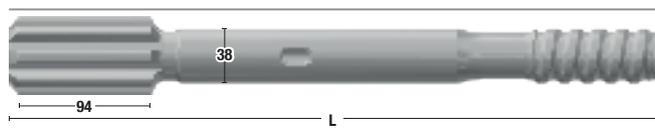
HC40 FEMALE (D=45mm)



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

FIGURE 91 – MONTABERT

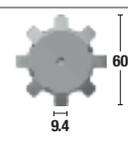
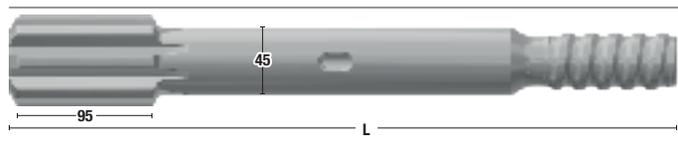
HC80, HC90, HC105 (D=38mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	440	5438-1756-00	4.0
T38	N/A	440	5488-1756-00	4.0
R38	N/A	508	5438-2056-00	4.3
T38	N/A	508	5488-2056-00	4.3

FIGURE 92 – MONTABERT

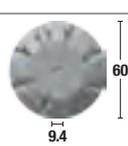
HC95LA



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	438	5438-17238-00	5.5
T38	N/A	438	5488-17238-00	5.5
T45	N/A	453	5495-18238-00	5.8

FIGURE 93 – MONTABERT

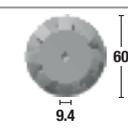
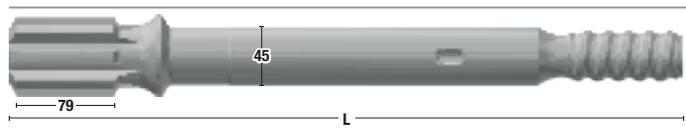
HC95 SXA



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	468	5438-18301-00	5.5
T38	N/A	468	5488-18301-00	5.5

FIGURE 94 – 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
T38	N/A	503	5488-20240-00	6.1
T45	N/A	518	5495-20240-00	6.2

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FIGURE 95 - MONTABERT

HC95LM MK2



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	503	5432-20277-00	5.9
R38	N/A	503	5438-20277-00	6.1
T38	N/A	503	5488-20277-00	6.1
T45	N/A	518	5495-20277-00	6.2

FIGURE 96 - MONTABERT

HC95LQ



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	518	5488-20241-00	6.5
T45	N/A	518	5495-20241-00	6.5
T51	N/A	530	5499-21241-00	6.9

FIGURE 97 - 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
T38	N/A	415	5488-1657-00	4.5
T45	N/A	425	5495-1757-00	5.5
R38	N/A	460	5438-1857-00	5.8
T38	N/A	460	5488-1857-00	5.8
R38	N/A	490	5438-1957-00	6.0
T38	N/A	490	5488-1957-00	6.0
T45	N/A	490	5495-1957-00	6.2
R38	N/A	530	5438-2157-00	6.5
T38	N/A	530	5488-2157-00	6.5
T45	N/A	530	5495-2157-00	6.7

FIGURE 98 - MONTABERT

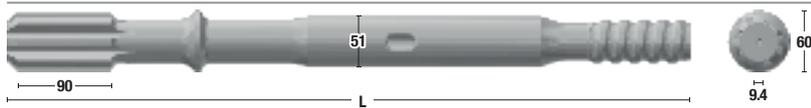
HC80R, HC105R, HC107R, HC108R, HC109R, HC110R, HC120R (D=45mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T35	N/A	670	5485-2795-00	7.3
T38	N/A	670	5488-2795-00	7.4
T45	N/A	670	5495-2795-00	8.2
T45	N/A	770	5495-3095-00	9.2

FIGURE 99 - MONTABERT

HC120R, HC150R, HC155R, HC158R (D=51mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	670	5495-27131-00	9.7
T51	N/A	670	5499-27131-00	9.9
T45	N/A	770	5495-30131-00	11.0
T51	N/A	770	5499-30131-00	11.1

FIGURE 100 - MONTABERT

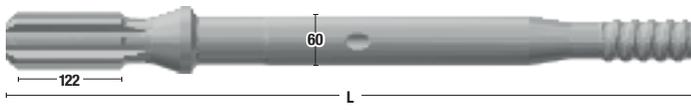
HC112R (D=60mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	726	5499-29299-00	14.1
CT60	N/A	726	5490-29299-00	14.3

FIGURE 101 – MONTABERT

HC160, 170



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	807	5495-32152-00	15.0
T51	N/A	807	5499-32152-00	15.1
CT60	N/A	807	5490-32152-00	15.3

FIGURE 102 – MONTABERT

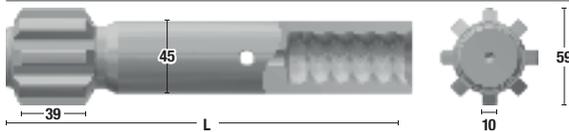
HC200A



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	840	5499-33133-00	16.4
ST58	N/A	840	5460-33133-00	16.6
CT60	N/A	840	5490-33133-00	16.6

FIGURE 103 – 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 104 – 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 105 – TAMROCK / SANDVIK

L400, L410, L500, L510



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	10	381	5432-1519-10	2.0

FIGURE 106 – TAMROCK / SANDVIK

HLR438, L550



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	12	381	5438-1535-12	4.0
T38	12	381	5488-1535-12	4.0

FIGURE 107 – TAMROCK / SANDVIK

HL438TS, HL538



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R38	N/A	450	5438-1835-00	4.4
T38	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
T38	N/A	495	5488-2035-00	4.8

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FIGURE 108 – 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
T38	N/A	450	5488-1881-00	3.9
T38	N/A	500	5488-2081-00	4.2
T38	N/A	550	5488-2281-00	4.5

FIGURE 109 – TAMROCK / SANDVIK

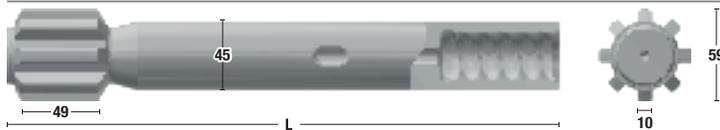
HL500, HL510 (D=45mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	550	5432-22128-00	5.1
T35	N/A	550	5485-22128-00	5.3
T38	N/A	550	5488-22128-00	5.3
T45	N/A	550	5495-22128-00	5.5

FIGURE 110 – TAMROCK / SANDVIK

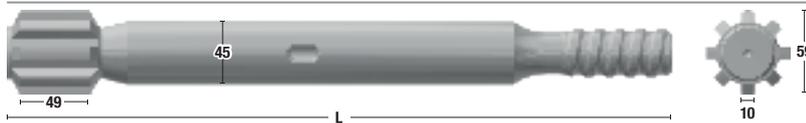
HL500 (FEM.)



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

FIGURE 111 – TAMROCK / SANDVIK

HL500, HL510, HL510S, HL550S, HL560S



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T35	N/A	460	5485-1882-00	4.9
R38	N/A	460	5438-1882-00	5.0
T38	N/A	460	5488-1882-00	5.0
T35	N/A	500	5485-2082-00	5.2
R38	N/A	500	5438-2082-00	5.3
T38	N/A	500	5488-2082-00	5.3
T45	N/A	500	5495-2082-00	5.5

FIGURE 112 – TAMROCK / SANDVIK

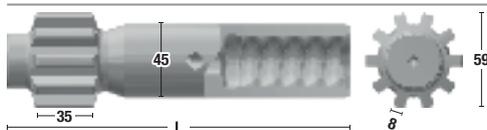
HLX1, RD106



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 113 – TAMROCK / SANDVIK

RD308, RD314, RD414 (FEM.)



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

FIGURE 114 – SANDVIK

RD308, RD314, RD414

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	410	5432-16248-00	3.4
T35	N/A	410	5485-16248-00	3.5
T38	N/A	410	5488-16248-00	3.6

FIGURE 115 – TAMROCK / SANDVIK

RD520, RD525

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	525	5488-21228-00	5.6
T35	N/A	600	5485-24228-00	6.6
T38	N/A	600	5488-24228-00	6.7
T35	N/A	745	5485-29228-00	7.4
T38	N/A	745	5488-29228-00	7.5

FIGURE 116 – TAMROCK / SANDVIK

RD525 PE, RD525 PE, RD535 PE

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	745	5432-29232-00	7.0
T35	N/A	745	5485-29232-00	7.5
T38	N/A	745	5488-29232-00	7.7

FIGURE 117 – TAMROCK / SANDVIK

HLX5, HLX5T, HFX5T, RDX5

THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	500	5432-20150-00	5.0
T35	N/A	500	5485-20150-00	5.1
R38	N/A	500	5438-20150-00	5.2
T38	N/A	500	5488-20150-00	5.2
T45	N/A	500	5495-20150-00	5.5
R32	N/A	575	5432-23150-00	5.5
T35	N/A	575	5485-23150-00	5.6
T38	N/A	575	5488-23150-00	5.7
T45	N/A	575	5495-23150-00	5.9
T35	N/A	720	5485-28150-00	6.6
T38	N/A	720	5488-28150-00	6.7

FIGURE 118 – TAMROCK / SANDVIK

HLX5 PE-45, RDX5 PE

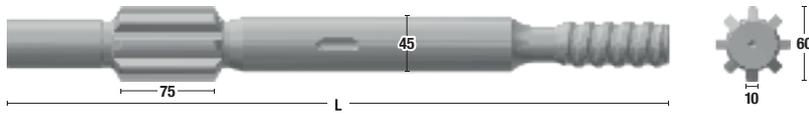
THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
R32	N/A	575	5432-23213-00	6.2
T38	N/A	575	5488-23213-00	6.4
R32	N/A	720	5432-28213-00	7.2
T38	N/A	720	5488-28213-00	7.4

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FIGURE 119 – TAMROCK / SANDVIK

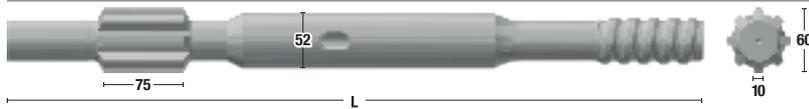
HL600, HL600S (D=45mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	525	5488-2167-00	6.0
T45	N/A	525	5495-2167-00	6.4
T38	N/A	600	5488-2467-00	6.5
T45	N/A	600	5495-2467-00	6.9

FIGURE 120 – TAMROCK / SANDVIK

HL600 (D=52mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	650	5495-2697-00	8.3
T51	N/A	650	5499-2697-00	8.6

FIGURE 121 – TAMROCK / SANDVIK

HL650, HL700, HL710, HL800T, HF810T, HL820T, HF820T (D=45mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	600	5488-24120-00	7.0
T45	N/A	600	5495-24120-00	7.2

FIGURE 122 – TAMROCK / SANDVIK

HL650, HL700, HL710, HL710 PE, HL710S PE, HL800, HF810, HL820T, HF820T PE, HL810ST, HL820ST (D=52mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	600	5488-24125-00	8.0
T45	N/A	600	5495-24125-00	8.2
ST45	N/A	600	5444-24125-00	8.2
T51	N/A	600	5499-24125-00	8.5

FIGURE 123 – TAMROCK / SANDVIK

RD900, RD900 PE/RP-52



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T38	N/A	600	5488-24300-00	8.7
T45	N/A	600	5495-24300-00	9.2
ST45	N/A	600	5444-24300-00	9.2
T51	N/A	600	5499-24300-00	9.7
T45	N/A	820	5495-32300-00	10.6
T51	N/A	820	5499-32300-00	11.1

FIGURE 124 – TAMROCK / SANDVIK

HL1000, HL1010, HL1010S (D=52mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T45	N/A	590	5495-2360-00	9.3
T51	N/A	590	5499-2360-00	9.5
T45	N/A	670	5495-2660-00	10.0
T51	N/A	670	5499-2660-00	10.2

FIGURE 125 - TAMROCK / SANDVIK

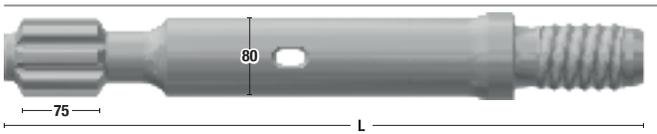
HL1000, HL1010 (D=60mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	670	5499-26162-00	12.7
ST58	N/A	670	5460-26162-00	12.7
CT60	N/A	670	5490-26162-00	13.0

FIGURE 126 - TAMROCK / SANDVIK

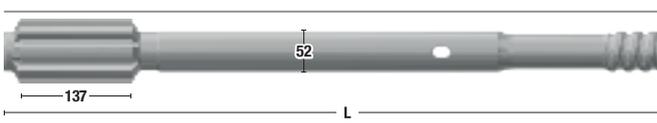
HL1000 (80mm), HL1010 (SHOULDER DRIVE)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	635	5458-25110-00	18.4
ST68	N/A	635	5468-25110-00	18.4

FIGURE 127 - TAMROCK / SANDVIK

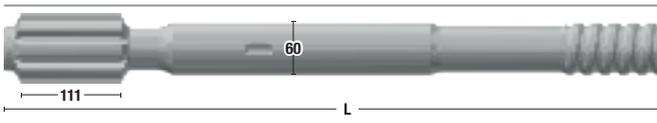
HL1000 EXTRACTOR (D=52mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	840	5499-33101-00	16.0

FIGURE 128 - TAMROCK / SANDVIK

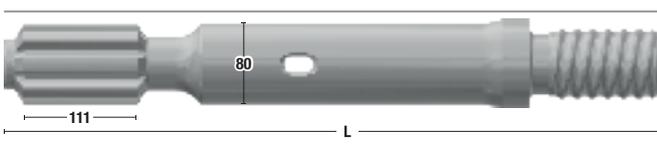
HL1500 (D=60mm)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	760	5499-30140-00	16.0
ST58	N/A	760	5460-30140-00	16.4
CT60	N/A	760	5490-30140-00	16.4

FIGURE 129 - TAMROCK / SANDVIK

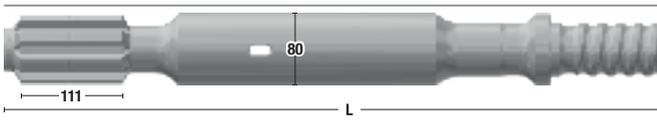
HL1500 (D=80mm) (SHOULDER DRIVE)



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	635	5458-25158-00	17.6
ST68	N/A	635	5468-25158-00	18.2

FIGURE 130 - TAMROCK / SANDVIK

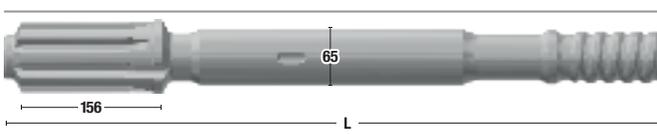
HL1500 (D=80mm) (SHOULDER DRIVE W/COLLAR)



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

FIGURE 131 - TAMROCK / SANDVIK

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

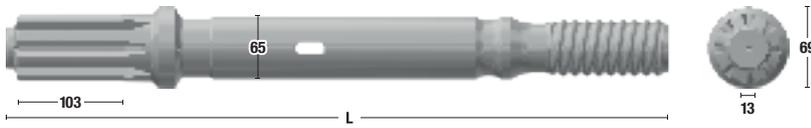


THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	760	5499-30166-00	16.3
ST58	N/A	760	5460-30166-00	17.0
CT60	N/A	760	5490-30166-00	17.0

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FIGURE 132 - TAMROCK / SANDVIK

RD900 PE65



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
T51	N/A	670	5499-26256-00	13.5
ST58	N/A	670	5460-26256-00	15.0
CT60	N/A	670	5490-26256-00	15.0

FIGURE 133 - TAMROCK / SANDVIK

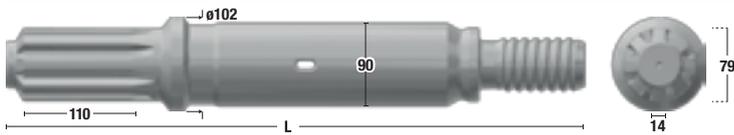
RD900 PE70



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	670	5458-26291-00	16.0

FIGURE 134 - TAMROCK / SANDVIK

HL1500 SPE-90



THREAD FORM	TUBE SIZE (mm)	LENGTH (mm)	CAT. NUMBER	WEIGHT (Kg)
ST58	N/A	635	5458-25188-00	22.0
ST68	N/A	635	5468-25188-00	22.0
CT60	N/A	763	5490-30188-00	25.0



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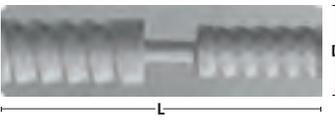
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ANCILLARY EQUIPMENT

CONVERSION COUPLINGS



	DIA Ø (D) mm	LENGTH (L) mm	THREAD	CAT. NUMBER	WEIGHT (Kg)
	43mm (1 5/8")	159mm (6 1/4")	R25/R28	5525-2800	1.2
	45mm (1 3/4")	159mm (6 1/4")	R25/R32	5525-3200	1.2
	55mm (2 1/8")	159mm (6 1/4")	R32/R38	5532-3800	2.0
	55mm (2 1/8")	193mm (7 5/8")	R32/T38	5532-8800	2.3
	55mm (2 1/8")	194mm (7 5/8")	T35/T38	5585-8800	2.2
	55mm (2 1/8")	194mm (7 5/8")	T38/R38	5588-3800	2.0
	63.5mm (2 1/2")	199mm (7 7/8")	T38/T45	5588-9500	2.6
	72mm (2 7/8")	234mm (9 1/4")	T45/T51	5595-9900	4.7

BIT ADAPTORS



	DIA Ø (D) mm	LENGTH (L) mm	THREAD	CAT. NUMBER	WEIGHT (Kg)
	45mm (1 3/4")	187mm (7 3/8")	R32 FEMALE / R25 MALE	5500-3225	1.8
	55mm (2 1/8")	216mm (8 1/2")	R38 FEMALE / T38 MALE	5500-3888	2.3
	54mm (2 1/8")	203mm (8")	T38 FEMALE / R32 MALE	5500-8832	2.3
	55mm (2 1/8")	216mm (8 1/2")	R38 FEMALE / R32 MALE	5500-3832	2.3
	63.5mm (2 1/2")	238mm (9 3/8")	T45 FEMALE / T38 MALE	5500-9588	2.8
	71mm (2 3/4")	300mm (12")	T51 FEMALE / T45 MALE	5500-9995	4.2
	39mm (1 1/2")	187mm (7 3/8")	R25 FEMALE / R32 MALE	5500-2532	1.2
	45mm (1 3/4")	187mm (7 3/8")	R28 FEMALE / R32 MALE	5500-2832	1.4
	45mm (1 3/4")	216mm (8 1/2")	R32 FEMALE / R38 MALE	5500-3238	1.5
	45mm (1 3/4")	216mm (8 1/2")	R32 FEMALE / T38 MALE	5500-3288	1.5
	55mm (2 1/8")	216mm (8 1/2")	T38 FEMALE / R38 MALE	5500-8838	2.3
	55mm (2 1/8")	280mm (11")	T38 FEMALE / T45 MALE	5500-8895	3.1
	64mm (2")	280mm (11")	T45 FEMALE / T51 MALE	5500-9599	3.6
	76mm (3")	280mm (11")	T51 FEMALE / CT60 MALE	5500-9990	5.2
	82mm (3 1/4")	330mm (13")	CT60 FEMALE / ST58 BD MALE	5500-9060	5.4
	82mm (3 1/4")	280mm (11")	CT60 FEMALE / T51 MALE	5500-9099	5.7
	87mm (3 3/8")	330mm (13")	ST68 FEMALE / ST58 MALE	5500-6858	5.4

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FISHING TOOLS - COUPLING/ROD RECOVERY SLEEVE



THREAD	CAT. NUMBER	WEIGHT (Kg)
R32	5910-3203	1.3
T35	5910-8503	2.8
T38	5910-8803	4.0
T45	5910-9503	2.9
T51	5910-9903	6.2
CT60	5910-9003	12.5
ST45	5910-4403	2.9
ST58	5910-5803	4.9
ST68	5910-6803	9.2

FISHING PIKES



THREAD	CAT. NUMBER	WEIGHT (Kg)
T35	5910-8504	1.3
T38	5910-8804	1.7
T45	5910-9504	2.1
T51	5910-9904	3.5
CT60	5910-9004	7.1
ST45	5910-4404	1.9
ST58	5910-5804	3.8
ST68	5910-6804	8.2

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ANCILLARY EQUIPMENT

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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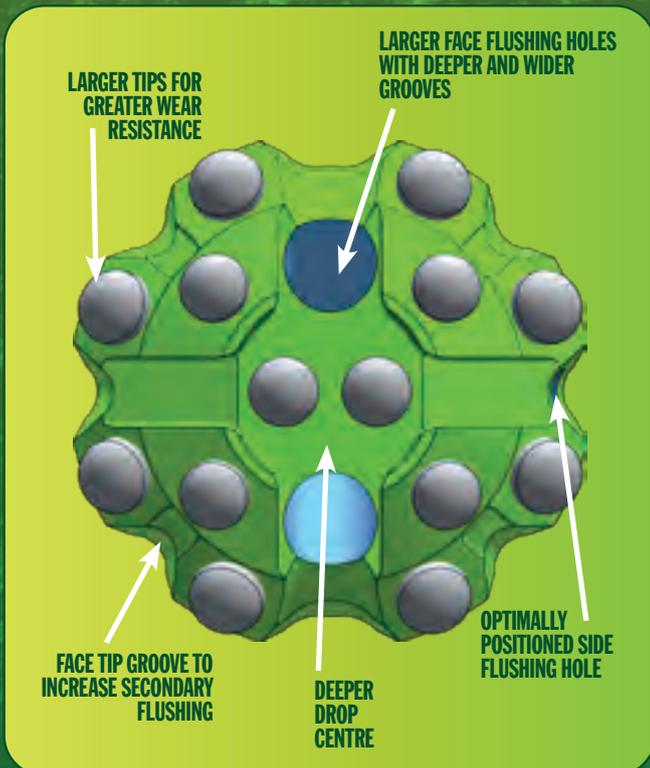
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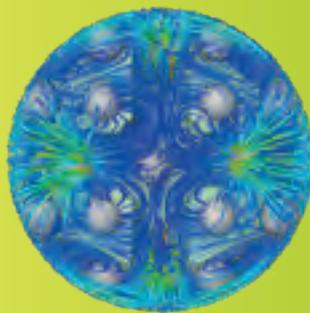
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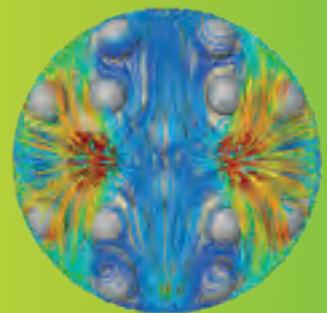
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