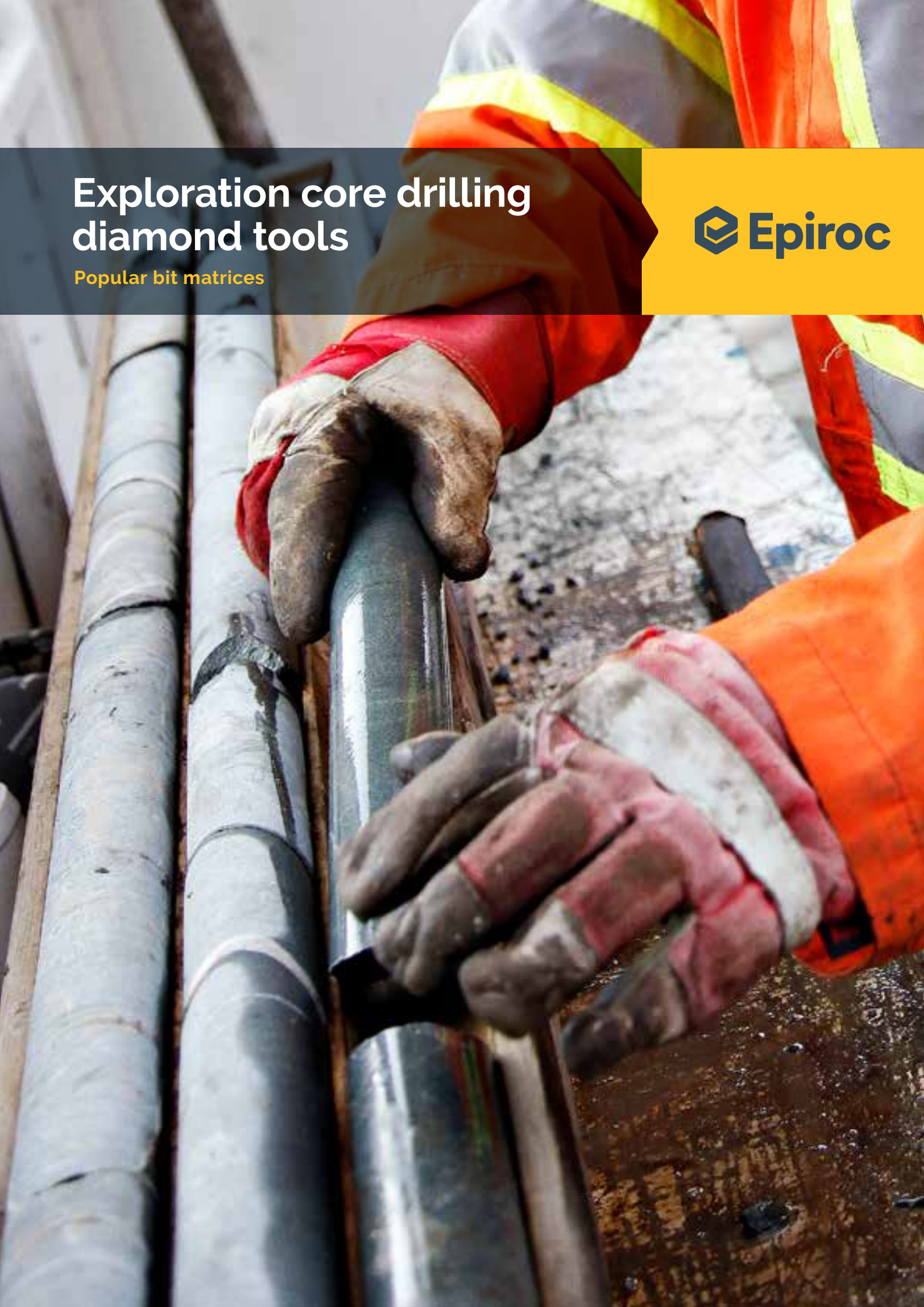


Exploration core drilling diamond tools

Popular bit matrices



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As each of our core drilling bit covers a wider range of applications, fewer bit types than before are needed which translates to a reduction in inventory.

This makes bit selection much simpler for the driller and reduces the number of bits needed on the job site. It is easier for less experienced drillers to select the optimal bit for the job.

This not only improves productivity, but also reduces the risk for failing to meet deadlines for the drilling contractor. The Epiroc series of matrices combined with optimized crown profiles have been categorized into three types of drilling applications to simplify the bit selection for the driller.

As our bits provide superior performance in a wider range of formations, it becomes easier for the driller to find the best bit for the job, meaning the new range is more forgiving.

Each matrix type is available in various crown designs like the Extended Channel Flush (ECF) for broken to competent formations, the patented Jet profile for fast cutting in competent formations and Face Discharge (exFD) design for extremely broken and Triple tube applications.

Combining these features with different available crown heights, from 10-26 mm, means there is a bit for every core drilling application.

All core drilling bits are divided into three applications:

Application 1

For soft to medium hard, very abrasive to slightly abrasive and very fractured to slightly broken formations.

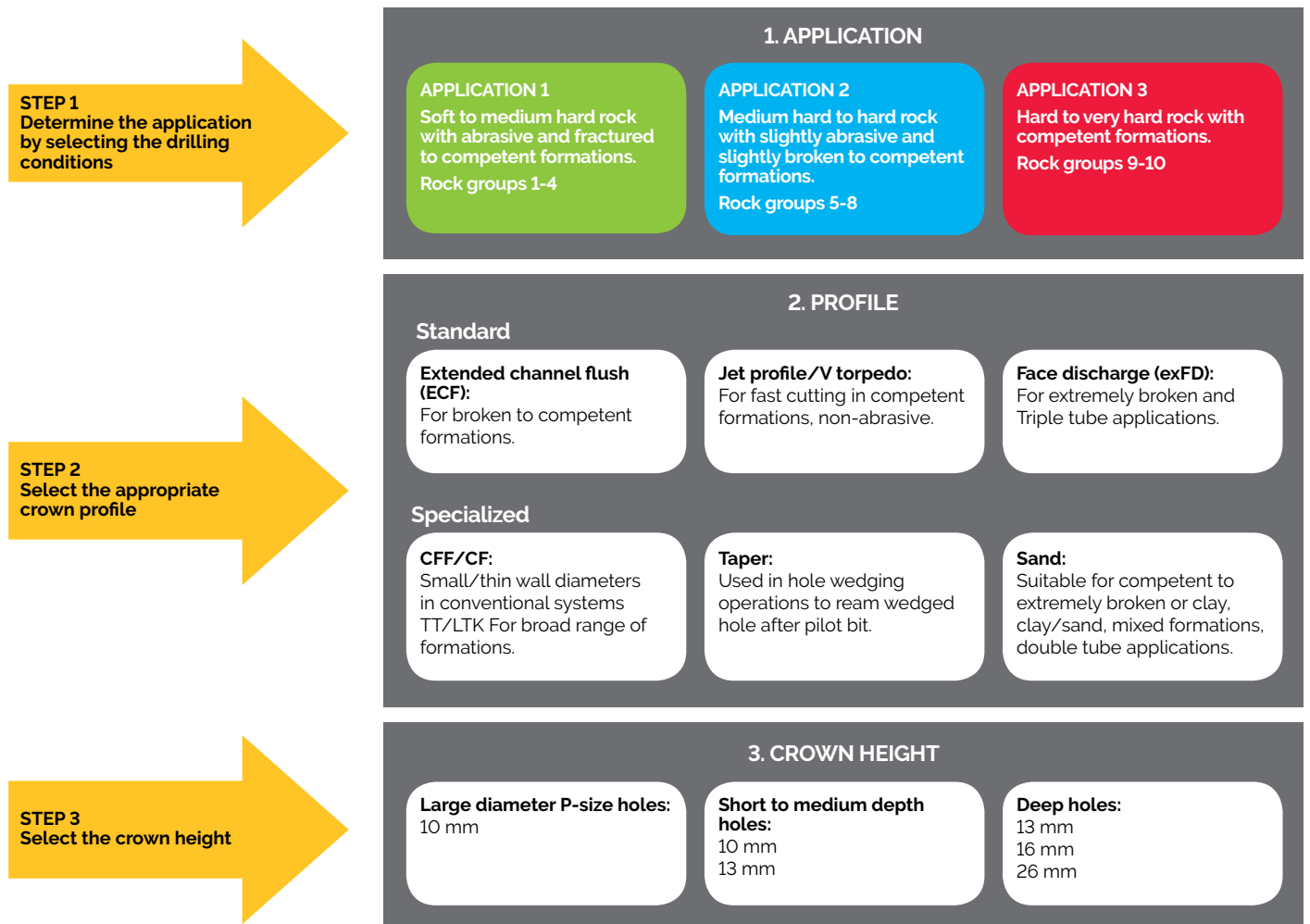
Application 2

For medium hard to hard, abrasive to slightly abrasive, moderately fractured to competent formations.

Application 3

For hard to very hard, slightly abrasive to nonabrasive, very competent formations.

How to select in three easy steps:



Bit selection chart

To simplify bit selection for the driller, rock formations have been categorized into three applications. Each application has a series of matrices designed specifically for that type of drilling condition which will provide optimum performance.

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.



Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.



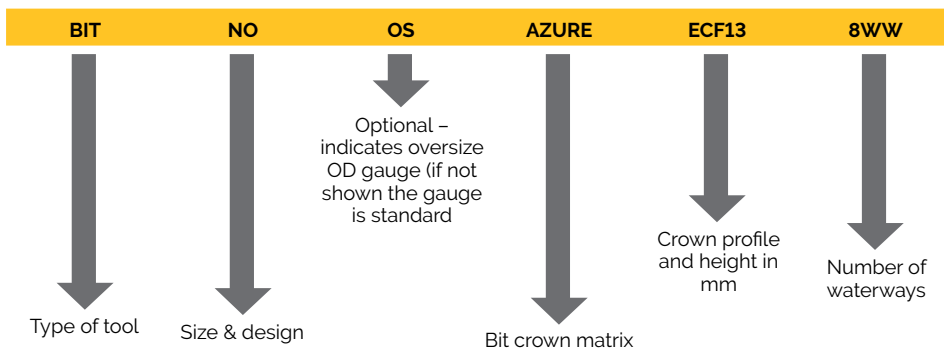
Application 3 (red)
Hard to extremely hard, competent formations.



Rock group		Formation description	Matrix	
1/10 scale	1/15 scale		Abrasion friendly	Less abrasion friendly
1-4	1-6	Soft - medium - hard Extremely abrasive & broken		
5	7	Medium - hard Medium slightly abrasive/broken	4-6	
6	8	Medium - hard Medium slightly abrasive/broken		6-8
7	9	Medium - hard - hard Medium broken competent	7AC	7ACF
8	11	Hard - competent		11AC
9	13	Very hard Very competent		KS (S++)
10	15	Extremely hard Very competent		8-9
				9
				10

NOTE: There are 2 existing rock group scales on the market 1-10 and 1-15. In the chart above we indicate application range for each of our bit matrices with both scales.

BIT DESCRIPTION



Recommendation

The following information will assist you with proper bit selection or testing according to ground conditions.

RPI/RPC

Many factors influence the performance of impregnated bits. In addition to the type of formation being drilled, factors such as hole diameter, depth, ground conditions, type of drill, weight on bit, water flow and RPM all have an impact on performance. The top priority of today's drillers is performance. To achieve optimum drilling production while balancing bit life, a correlation between RPM and penetration rate has been developed for impregnated diamond bits. This parameter is referred to as Rotation Per Inch of advance (RPI) or Rotation Per Centimeter (RPC). This parameter can be utilized as a guideline to increase penetration rates while maintaining reasonable bit life.

Sample calculation N-size bits	
RPM / Penetration rate - RPI (RPC)	
1200 / 8" per min	= 150 RPI
1200 / 20,3 cm per min	= 59 RPC

Bit size	RPM	Optimum RPM	RPI (RPC)
A	1500 - 1700	1650	250 (100)
B	1200 - 1450	1350	200 (79)
N	900 - 1200	1100	170 (67)
H	750 - 950	850	130 (51)
P	600 - 750	650	100 (40)

RPI or RPC = RPM / Penetration rate. This chart has been developed as a guideline for Epiroc impregnated diamond bits.

"Polished" bit

Often an indication that an impregnated bit has become polished will be a reduction in torque and penetration rate, with an

increase in the Weight On Bit (WOB). Controlling the flow of water can be used as a method to sharpen the bit. To sharpen a bit in the hole, gradually reduce the flow of water while increasing the weight on the bit to strip the bit and expose fresh diamonds. Once the bit has been sharpened increase the flow of water and reduce the WOB as required.

Water flow

Water flow is a critical parameter. Insufficient or excessive water flow can result in poor performance.

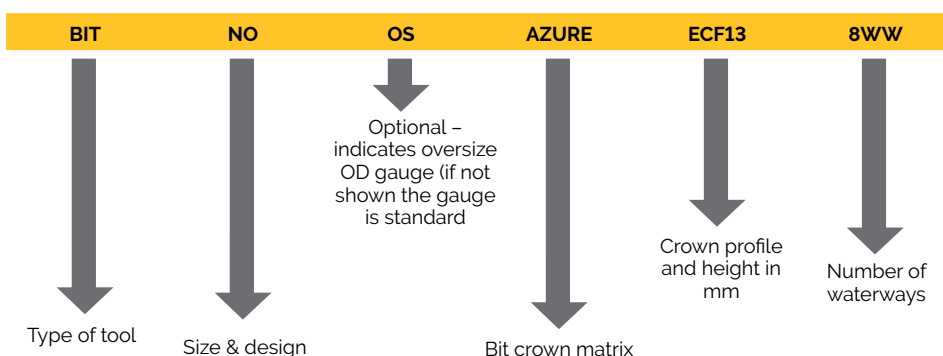
Size	LPM (GPM)	RPM
A	15-20 (4-5)	1650
B	30-36 (8-10)	1350
N	38-45 (10-12)	1100
H	50-60 (13-16)	850
P	75-84 (20-22)	650

Water flow may vary depending on the specific application and therefore this chart is only to be used as a guideline.



Each diamond impregnated bit is delivered with recommended application and drilling parameters engraved on its body specific for the bit. For more information, the QR-code to the right leads to Epiroc Exploration drilling tools web page

BIT DESCRIPTION



Standard crown profiles



Extended channel flushing (ECF)

- Standard profile - general purpose design.
- Suitable for mixed formations containing broken and competent zones.
- Suitable for a broad range of formations.



Face discharge (exFD)

- Designed to minimize washing of core sample.
- Suitable for broken/granular formations.
- exFD stand for "excellent" FD where all flushing medium is directed to the flushing holes.



V

JET

JET26®

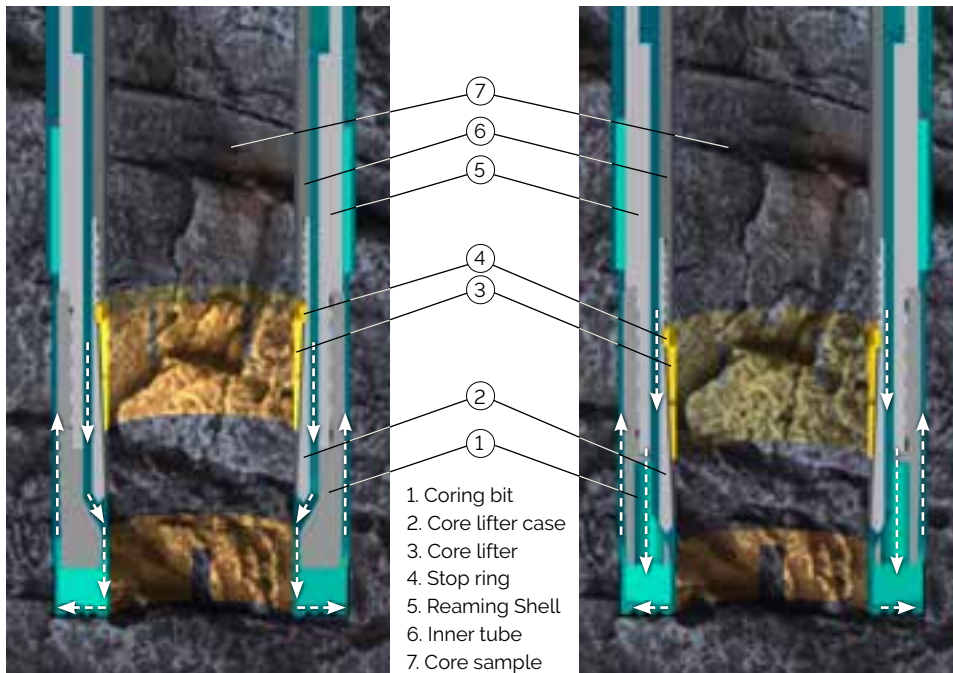
- High performance "free cutting" bit.
- High productivity.
- Suitable for hard/competent formations.
- Suitable for non-abrasive formations.

ECF/JET/JET26®/V/CF/CFF

Profiles water flow

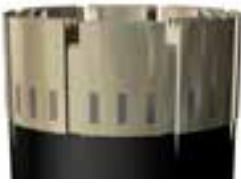
Face Discharge (exFD)

Profiles water flow



There is a broad range of different coring bit crown profiles available and designed for specific rock conditions and drillers expectations. **In medium hard to extremely hard** formations when rock is competent or moderately fractured ECF/JET/JET26/V/CF/CFF profiles are recommended (JET/JET26/V to increase penetration rate compare to ECF). Drilling fluid in that type of bits is directed towards core sample (7) when passing through gap between core lifter case (2) and coring bit (1). This creates jet like stream which cleans hard rock sample from any cuttings before the sample smoothly slips inside core lifter case (2) and inner tube (6). Although when drilling in soft and/or extremely broken or even unconsolidated formations that jet stream can deteriorate core sample by washing out loose or very soft parts of it. To minimize it Face Discharge (exFD) profile was designed. Contact between drilling fluid and core sample is reduced and the fluid is directed into flushing channels inside bit body. Remember to reduce gap between core lifter case (2) and the bit (1) to minimum, just to prevent inner tube from rotating during drilling, to force fluid to flow through those channels.

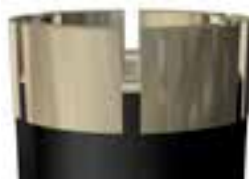
Specialized crown profiles



CFF



CF



- Standard profile for small/thin wall diameters in conventional systems TT/LTK.
- Water way depth needs to be adjusted during drilling using metal file for better flushing control (CFF).
- Suitable for broad range of formations.



Taper

- Profile used in hole wedging (directional drilling) operations to ream wedged hole after pilot bit.



Sand

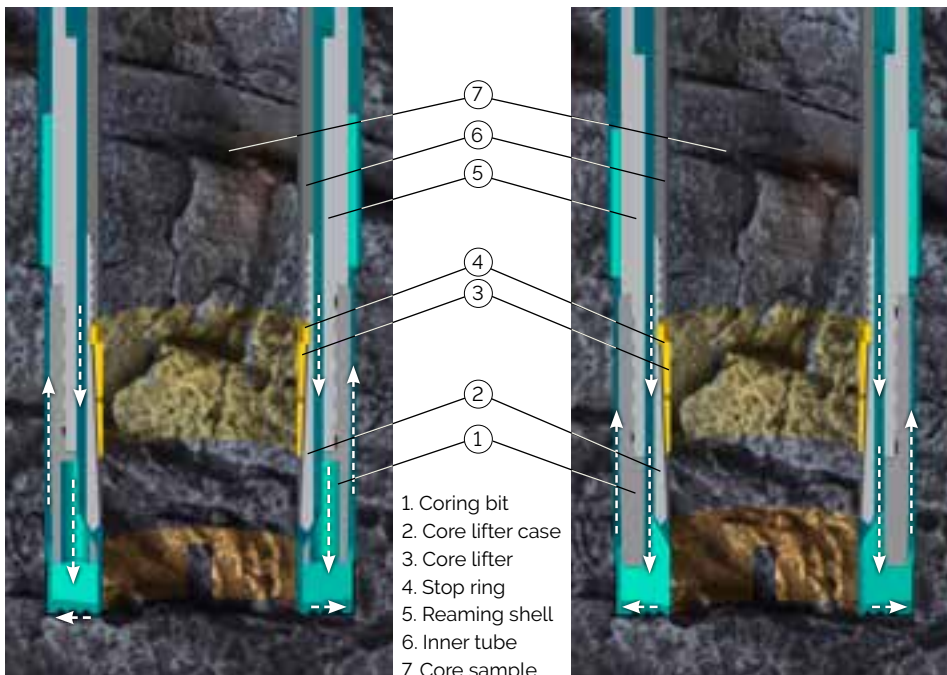
- Suitable for competent to extremely broken or clay, clay/sand mixed formations.
- To improve core recovery in soft/ broken or loose zones.
- Alternative for the exFD profile when the exFD flushing holes tend to clogg.

Face Discharge (exFD)

Profiles water flow

SAND

Profiles water flow



In certain ground conditions like sandy, clay or fine grain unconsolidated formations even Face Discharge (exFD) profiles face challenges to work properly. In such ground sometimes is hard to keep flushing channels open as they tend to clog which results in reduced bit cooling and borehole cleaning from cuttings which obviously leads to reduced bit life. Same situation may happen when very thick mud is used as drilling fluid. SAND profile has been designed to overcome such situations. Large and deep internal flushing channels are machined in bit (1) body to provide more space for pumping thick mud and keep them clean. Although contact between core sample (7) and flushing fluid is increased compare to Face Discharge (exFD) profile, drilling fluid flows along core sample not towards it as in ECF/JET/JET26/V/CF/CFF profiles. That minimizes wash out effect for core sample (7). Remember to reduce gap between core lifter case (2) and the bit (1) to minimum, just to prevent inner tube from rotating during drilling, to direct drilling fluid along core sample (7).

BITS & REAMING SHELLS DIMENSIONS/SERIAL NUMBER LOCATION

Size	Core barrel design	Core bit OD		Reaming shell OD		Core diameter	
		mm	in	mm	in	mm	in
A	AW34	47,6	1.87	48,0	1.89	33,5	1.32
	46,8 HAGBY**	46,8	1.84	47,0	1.85	28,8	1.13
	46TT	46,0	1.81	46,3	1.82	35,1	1.38
	AO**	47,6	1.87	48,0	1.89	26,9	1.06
	AGM/ATW/ADBGM**	47,6	1.87	48,0	1.89	30,3	1.19
	AOTK**	47,6	1.87	48,0	1.89	30,5	1.20
	48TT/LTK48	47,6	1.87	48,0	1.89	35,3	1.39
B	56TT	56,0	2.20	56,3	2.21	45,2	1.77
	56,6 HAGBY**	56,6	2.22	56,8	2.23	38,9	1.53
	BO**	59,5	2.34	60,0	2.36	36,4	1.43
	BOTK**	59,5	2.34	60,0	2.36	40,7	1.60
	BGM/BTW/BDBGM**	59,5	2.34	60,0	2.36	42,0	1.66
	60TT/LTK60	59,5	2.34	60,0	2.36	44,0	1.73
N	DEVICO 76**	75,3	2.96	75,6	2.98	31,6	1.24
	NO3**	75,3	2.96	75,6	2.98	45,1	1.77
	NO**	75,3	2.96	75,6	2.98	47,6	1.88
	NO2/NOTK**	75,3	2.96	75,6	2.98	50,7	2.00
	NGM/NDBGM, NTW**	75,3	2.96	75,6	2.98	56,1	2.21
H	HO3**	95,6	3.76	96,1	3.78	61,1	2.41
	HO**	95,6	3.76	96,1	3.78	63,5	2.50
	HOTT**	95,6	3.76	96,1	3.78	61,1	2.41
	HTW**	95,6	3.76	96,1	3.78	70,9	2.79
P	PO3, POTT**	122,0	4.80	122,7	4.81	83,0	3.26
	PO**	122,0	4.80	122,7	4.81	85,0	3.34

** Wireline drilling system



Each individual diamond tool is identified with unique serial number to track back manufacturing process. All bits, casing/rod shoes and casing bits have the numbers engraved on box thread end. Reaming shells have serial numbers engraved on pin end (in the past also engraved on box end).

Wireline diamond impregnated core bits

A SIZE

AO (Double tube)

Part No.	Description/Application	Waterway width at ID
3760918113	BIT AO 4-6 ECF13 6W/W	3,83 mm/0.151"
3760903465	BIT AO 7AC V13 7W/W	2,51 mm/0.099"
3760918115	BIT AO 6-8 ECF13 6W/W	3,83 mm/0.151"
3760903865	BIT AO 7ACF V13 7W/W	2,51 mm/0.099"
3760904885	BIT AO 11AC ECF13 6W/W	3,83 mm/0.151"

Part No.	Description/Application	Waterway width at ID
3760904944	BIT AO 11AC V13 7W/W	2,51 mm/0.099"
3760918117	BIT AO 8-9 ECF13 6W/W	3,83 mm/0.151"
3760918118	BIT AO 9 ECF13 6W/W	3,83 mm/0.151"
3760918119	BIT AO 10 ECF13 6W/W	3,83 mm/0.151"

AGM/ATW/ADBGM (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918743	BIT AGM/ATW 4-6 ECF13 8W/W	3,99 mm/0.157"
3760918865	BIT AGM/ATW 4-6 JET13 4W/W	3,99 mm/0.157"
3760918753	BIT AGM/ATW 4-6 JET16 4W/W	3,99 mm/0.157"
3760904287	BIT AGM/ATW 7AC ECF10 8W/W	3,99 mm/0.157"
3760904291	BIT AGM/ATW 7AC ECF13 8W/W	3,99 mm/0.157"
3760903798	BIT AGM/ATW 7AC V10 7W/W	2,51 mm/0.099"
3760904298	BIT AGM/ATW 7AC V13 7W/W	2,51 mm/0.099"
3760918745	BIT AGM/ATW 6-8 ECF13 8W/W	3,99 mm/0.157"
3760918862	BIT AGM/ATW 6-8 JET13 4W/W	3,99 mm/0.157"
3760918755	BIT AGM/ATW 6-8 JET16 4W/W	3,99 mm/0.157"
3760904549	BIT AGM/ATW 7ACF ECF13 8W/W	3,99 mm/0.157"
3760903797	BIT AGM/ATW 7ACF V10 7W/W	2,51 mm/0.099"
3760903942	BIT AGM/ATW 7ACF V13 7W/W	2,51 mm/0.099"
3760904290	BIT AGM/ATW 11AC ECF10 8W/W	3,99 mm/0.157"

Part No.	Description/Application	Waterway width at ID
3760904294	BIT AGM/ATW 11AC ECF13 8W/W	3,99 mm/0.157"
3760904297	BIT AGM/ATW 11AC V10 7W/W	2,51 mm/0.099"
3760904301	BIT AGM/ATW 11AC V13 7W/W	2,51 mm/0.099"
3701681708	BIT AGM/ATW KSS++ ECF13 8W/W	3,99 mm/0.157"
3760918747	BIT AGM/ATW 8-9 ECF13 8W/W	3,99 mm/0.157"
3760918867	BIT AGM/ATW 8-9 JET13 4W/W	3,99 mm/0.157"
3760918757	BIT AGM/ATW 8-9 JET16 4W/W	3,99 mm/0.157"
3760918128	BIT AGM/ATW 9 ECF13 8W/W	3,99 mm/0.157"
3760918868	BIT AGM/ATW 9 JET13 4W/W	3,99 mm/0.157"
3760918758	BIT AGM/ATW 9 JET16 4W/W	3,99 mm/0.157"
3760918749	BIT AGM/ATW 10 ECF13 8W/W	3,99 mm/0.157"
3760918869	BIT AGM/ATW 10 JET13 4W/W	3,99 mm/0.157"
3760918759	BIT AGM/ATW 10 JET16 4W/W	3,99 mm/0.157"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Wireline diamond impregnated core bits

AOTK (Double tube thin kerf)

Part No.	Description/Application	Waterway width at ID
3760918143	BIT AOTK 4-6 ECF13 6W/W	3,3 mm/0.130"
3760918872	BIT AOTK 4-6 JET13 4W/W	3,7 mm/0.146"
3760918153	BIT AOTK 4-6 JET16 4W/W	3,7 mm/0.146"
3760903530	BIT AOTK 7AC ECF10 6W/W	3,3 mm/0.130"
3760904278	BIT AOTK 7AC ECF13 6W/W	3,3 mm/0.130"
3760903985	BIT AOTK 7AC V10 7W/W	2,49 mm/0.098"
3760904285	BIT AOTK 7AC V13 7W/W	2,49 mm/0.098"
3760918145	BIT AOTK 6-8 ECF13 6W/W	3,3 mm/0.130"
3760918874	BIT AOTK 6-8 JET13 4W/W	3,7 mm/0.146"
3760918155	BIT AOTK 6-8 JET16 4W/W	3,7 mm/0.146"
3760903935	BIT AOTK 7ACF ECF13 6W/W	3,3 mm/0.130"
3760903862	BIT AOTK 7ACF V13 7W/W	2,49 mm/0.098"
3760904277	BIT AOTK 11AC ECF10 6W/W	3,3 mm/0.130"

Part No.	Description/Application	Waterway width at ID
3760904281	BIT AOTK 11AC ECF13 6W/W	3,3 mm/0.130"
3760904284	BIT AOTK 11AC V10 7W/W	2,49 mm/0.098"
3760903906	BIT AOTK 11AC V13 7W/W	2,49 mm/0.098"
3702584000	BIT AOTK KSS++ ECF13 6W/W	3,3 mm/0.130"
3760918147	BIT AOTK 8-9 ECF13 6W/W	3,3 mm/0.130"
3760918875	BIT AOTK 8-9 JET13 4W/W	3,7 mm/0.146"
3760918157	BIT AOTK 8-9 JET16 4W/W	3,7 mm/0.146"
3760918148	BIT AOTK 9 ECF13 6W/W	3,3 mm/0.130"
3760918876	BIT AOTK 9 JET13 4W/W	3,7 mm/0.146"
3760918158	BIT AOTK 9 JET16 4W/W	3,7 mm/0.146"
3760918149	BIT AOTK 10 ECF13 6W/W	3,3 mm/0.130"
3760918877	BIT AOTK 10 JET13 4W/W	3,7 mm/0.146"
3760918159	BIT AOTK 10 JET16 4W/W	3,7 mm/0.146"

46,8 HAGBY (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918053	BIT 46,8HBY 4-6 ECF13 8W/W	3,02 mm/0.119"
3760919175	BIT 46,8HBY 7AC JET26 3W/W	3,0 mm/0.118"
3760918055	BIT 46,8HBY 6-8 ECF13 8W/W	3,02 mm/0.119"
3760918065	BIT 46,8HBY 6-8 JET16 4W/W	3,0 mm/0.118"
3760919171	BIT 46,8HBY 6-8 JET26 3W/W	3,0 mm/0.118"
3760919176	BIT 46,8HBY 7ACFJET26 3W/W	3,0 mm/0.118"
3760919177	BIT 46,8HBY 11AC JET26 3W/W	3,0 mm/0.118"
3702629700	BIT 46,8HBY KSS++ ECF13 8W/W	3,02 mm/0.119"
3760919179	BIT 46,8HBY KSS++ JET26 3W/W	3,0 mm/0.118"

Part No.	Description/Application	Waterway width at ID
3760918057	BIT 46,8HBY 8-9 ECF13 8W/W	3,02 mm/0.119"
3760918067	BIT 46,8HBY 8-9 JET16 4W/W	3,0 mm/0.118"
3760919172	BIT 46,8HBY 8-9 JET26 3W/W	3,0 mm/0.118"
3760918058	BIT 46,8HBY 9 ECF13 8W/W	3,02 mm/0.119"
3760918068	BIT 46,8HBY 9 JET16 4W/W	3,0 mm/0.118"
3760919173	BIT 46,8HBY 9 JET26 3W/W	3,0 mm/0.118"
3760918059	BIT 46,8HBY 10 ECF13 8W/W	3,02 mm/0.119"
3760918069	BIT 46,8HBY 10 JET16 4W/W	3,0 mm/0.118"
3760919174	BIT 46,8HBY 10 JET26 3W/W	3,0 mm/0.118"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Wireline diamond impregnated core bits

B SIZE

BO (Double tube)

Part No.	Description/Application	Waterway width at ID
3760919038	BIT BO 4-6 ECF10 8W/W	3,99 mm/0.157"
3760918163	BIT BO 4-6 ECF13 8W/W	3,99 mm/0.157"
3760918583	BIT BO 4-6 ECF16 8W/W	3,99 mm/0.157"
3760918173	BIT BO 4-6 JET13 6W/W	3,99 mm/0.157"
3760918183	BIT BO 4-6 JET16 6W/W	3,99 mm/0.157"
3760904328	BIT BO 7AC ECF10 6W/W	3,99 mm/0.157"
3760903513	BIT BO 7AC ECF10 8W/W	3,99 mm/0.157"
3760904335	BIT BO 7AC ECF13 6W/W	3,99 mm/0.157"
3760903487	BIT BO 7AC ECF13 8W/W	3,99 mm/0.157"
3760903982	BIT BO 7AC ECF13 9W/W	3,99 mm/0.157"
3760904979	BIT BO 7AC ECF16 6W/W	3,99 mm/0.157"
3760904977	BIT BO 7AC ECF16 8W/W	3,99 mm/0.157"
3702736700	BIT BO 7AC JET16 6W/W	3,99 mm/0.157"
3760919145	BIT BO 7AC JET26 3W/W	3,99 mm/0.157"
3760905750	BIT BO 7AC TAPER10 8W/W	3,18 mm/0.125"
3760904313	BIT BO 7AC V10 7W/W	2,54 mm/0.100"
3760903384	BIT BO 7AC V13 7W/W	2,54 mm/0.100"
3760904975	BIT BO 7AC V16 7W/W	2,54 mm/0.100"
3760919040	BIT BO 6-8 ECF10 8W/W	3,99 mm/0.157"
3760918165	BIT BO 6-8 ECF13 8W/W	3,99 mm/0.157"
3760918585	BIT BO 6-8 ECF16 8W/W	3,99 mm/0.157"
3760918175	BIT BO 6-8 JET13 6W/W	3,99 mm/0.157"
3760918185	BIT BO 6-8 JET16 6W/W	3,99 mm/0.157"
3760919141	BIT BO 6-8 JET26 3W/W	3,99 mm/0.157"
3760919028	BIT BO 6-8 V13 7W/W	2,54 mm/0.100"
3760919032	BIT BO 6-8 V16 7W/W	2,54 mm/0.100"
3760904329	BIT BO 7ACF ECF10 6W/W	3,99 mm/0.157"
3760904322	BIT BO 7ACF ECF10 8W/W	3,99 mm/0.157"
3760904336	BIT BO 7ACF ECF13 6W/W	3,99 mm/0.157"
3760903827	BIT BO 7ACF ECF13 9W/W	3,99 mm/0.157"
3760904978	BIT BO 7ACF ECF16 6W/W	3,99 mm/0.157"
3760904976	BIT BO 7ACF ECF16 8W/W	3,99 mm/0.157"
3760919146	BIT BO 7ACF JET26 3W/W	3,99 mm/0.157"
3760904314	BIT BO 7ACF V10 7W/W	2,54 mm/0.100"
3760903884	BIT BO 7ACF V13 7W/W	2,54 mm/0.100"

Part No.	Description/Application	Waterway width at ID
3760904974	BIT BO 7ACF V16 7W/W	2,54 mm/0.100"
3760904332	BIT BO 11AC ECF10 6W/W	3,99 mm/0.157"
3760904323	BIT BO 11AC ECF10 8W/W	3,99 mm/0.157"
3760904339	BIT BO 11AC ECF13 6W/W	3,99 mm/0.157"
3760903485	BIT BO 11AC ECF13 8W/W	3,99 mm/0.157"
3760903973	BIT BO 11AC ECF13 9W/W	3,99 mm/0.157"
3760919147	BIT BO 11AC JET26 3W/W	3,99 mm/0.157"
3760905129	BIT BO 11AC TAPER10 8W/W	3,18 mm/0.125"
3760903368	BIT BO 11AC V10 7W/W	2,54 mm/0.100"
3760903537	BIT BO 11AC V13 7W/W	2,54 mm/0.100"
3760905084	BIT BO 11AC V16 7W/W	2,54 mm/0.100"
8370230030	BIT BO KSS++ ECF10 8W/W	3,99 mm/0.157"
3701681707	BIT BO KSS++ ECF13 8W/W	3,99 mm/0.157"
3702710500	BIT BO KSS++ JET16 6W/W	3,99 mm/0.157"
3760919149	BIT BO KSS++ JET26 3W/W	3,99 mm/0.157"
3702629500	BIT BO KSS++ TAPER10 8W/W	3,18 mm/0.125"
3760919041	BIT BO 8-9 ECF10 8W/W	3,99 mm/0.157"
3760918167	BIT BO 8-9 ECF13 8W/W	3,99 mm/0.157"
3760918587	BIT BO 8-9 ECF16 8W/W	3,99 mm/0.157"
3760918177	BIT BO 8-9 JET13 6W/W	3,99 mm/0.157"
3760918187	BIT BO 8-9 JET16 6W/W	3,99 mm/0.157"
3760919142	BIT BO 8-9 JET26 3W/W	3,99 mm/0.157"
3760905435	BIT BO 8-9 V13 7W/W	2,54 mm/0.100"
3760919042	BIT BO 9 ECF10 8W/W	3,99 mm/0.157"
3760918168	BIT BO 9 ECF13 8W/W	3,99 mm/0.157"
3760918588	BIT BO 9 ECF16 8W/W	3,99 mm/0.157"
3760918178	BIT BO 9 JET13 6W/W	3,99 mm/0.157"
3760918188	BIT BO 9 JET16 6W/W	3,99 mm/0.157"
3760919143	BIT BO 9 JET26 3W/W	3,99 mm/0.157"
3760919043	BIT BO 10 ECF10 8W/W	3,99 mm/0.157"
3760918169	BIT BO 10 ECF13 8W/W	3,99 mm/0.157"
3760918589	BIT BO 10 ECF16 8W/W	3,99 mm/0.157"
3760918179	BIT BO 10 JET13 6W/W	3,99 mm/0.157"
3760918189	BIT BO 10 JET16 6W/W	3,99 mm/0.157"
3760919144	BIT BO 10 JET26 3W/W	3,99 mm/0.157"

BGM/BTW/BDBGM (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918193	BIT BGM/BTW 4-6 ECF13 8W/W	3,38 mm/0.133"
3760918593	BIT BGM/BTW 4-6 ECF16 8W/W	3,38 mm/0.133"
3760918203	BIT BGM/BTW 4-6 JET13 6W/W	3,0 mm/0.118"
3760918213	BIT BGM/BTW 4-6 JET16 6W/W	3,0 mm/0.118"
3760905507	BIT BGM/BTW 7AC ECF13 8W/W	3,38 mm/0.133"
3760919155	BIT BGM/BTW 7AC JET26 3W/W	3,0 mm/0.118"

Part No.	Description/Application	Waterway width at ID
3760918195	BIT BGM/BTW 6-8 ECF13 8W/W	3,38 mm/0.133"
3760918595	BIT BGM/BTW 6-8 ECF16 8W/W	3,38 mm/0.133"
3760918205	BIT BGM/BTW 6-8 JET13 6W/W	3,0 mm/0.118"
3760918215	BIT BGM/BTW 6-8 JET16 6W/W	3,0 mm/0.118"
3760919151	BIT BGM/BTW 6-8 JET26 3W/W	3,0 mm/0.118"
3760905158	BIT BGM/BTW 7ACF ECF13 8W/W	3,38 mm/0.133"

Wireline diamond impregnated core bits

BGM/BTW/BDBGM (Double tube thin wall) – continued

Part No.	Description/Application	Waterway width at ID
3760919156	BIT BGM/BTW 7ACF JET26 3W/W	3,0 mm/0.118"
3760904703	BIT BGM/BTW 11AC ECF13 8W/W	3,38 mm/0.133"
3760905741	BIT BGM/BTW 11AC V13 7W/W	3,38 mm/0.133"
3760919157	BIT BGM/BTW 11AC JET26 3W/W	3,0 mm/0.118"
8370230028	BIT BGM/BTW KSS++ ECF13 8W/W	3,38 mm/0.133"
3760919159	BIT BGM/BTW KSS++ JET26 3W/W	3,0 mm/0.118"
3760918197	BIT BGM/BTW 8-9 ECF13 8W/W	3,38 mm/0.133"
3760918597	BIT BGM/BTW 8-9 ECF16 8W/W	3,38 mm/0.133"
3760918207	BIT BGM/BTW 8-9 JET13 6W/W	3,0 mm/0.118"
3760918217	BIT BGM/BTW 8-9 JET16 6W/W	3,0 mm/0.118"
3760919152	BIT BGM/BTW 8-9 JET26 3W/W	3,0 mm/0.118"

Part No.	Description/Application	Waterway width at ID
3760918198	BIT BGM/BTW 9 ECF13 8W/W	3,38 mm/0.133"
3760918598	BIT BGM/BTW 9 ECF16 8W/W	3,38 mm/0.133"
3760918208	BIT BGM/BTW 9 JET13 6W/W	3,0 mm/0.118"
3760918218	BIT BGM/BTW 9 JET16 6W/W	3,0 mm/0.118"
3760919153	BIT BGM/BTW 9 JET26 3W/W	3,0 mm/0.118"
3760918199	BIT BGM/BTW 10 ECF13 8W/W	3,38 mm/0.133"
3760918599	BIT BGM/BTW 10 ECF16 8W/W	3,38 mm/0.133"
3760918209	BIT BGM/BTW 10 JET13 6W/W	3,0 mm/0.118"
3760918219	BIT BGM/BTW 10 JET16 6W/W	3,0 mm/0.118"
3760919154	BIT BGM/BTW 10 JET26 3W/W	3,0 mm/0.118"

BOTK (Double tube thin kerf)

Part No.	Description/Application	Waterway width at ID
3760918223	BIT BOTK 4-6 ECF13 8W/W	3,05 mm/0.120"
3760918233	BIT BOTK 4-6 JET13 6W/W	3,0 mm/0.118"
3760918243	BIT BOTK 4-6 JET16 6W/W	3,0 mm/0.118"
3760903613	BIT BOTK 7AC ECF10 8W/W	3,05 mm/0.120"
3760904375	BIT BOTK 7AC ECF13 8W/W	3,05 mm/0.120"
3760904359	BIT BOTK 7AC V10 7W/W	2,54 mm/0.100"
3760903600	BIT BOTK 7AC V13 7W/W	2,54 mm/0.100"
3760918225	BIT BOTK 6-8 ECF13 8W/W	3,05 mm/0.120"
3760918235	BIT BOTK 6-8 JET13 6W/W	3,0 mm/0.118"
3760918245	BIT BOTK 6-8 JET16 6W/W	3,0 mm/0.118"
3760904369	BIT BOTK 7ACF ECF10 8W/W	3,05 mm/0.120"
3760904376	BIT BOTK 7ACF ECF13 8W/W	3,05 mm/0.120"
3760904360	BIT BOTK 7ACF V10 7W/W	2,54 mm/0.100"
3760904367	BIT BOTK 7ACF V13 7W/W	2,54 mm/0.100"

Part No.	Description/Application	Waterway width at ID
3760904371	BIT BOTK 11AC ECF10 8W/W	3,05 mm/0.120"
3760903874	BIT BOTK 11AC ECF13 8W/W	3,05 mm/0.120"
3760904363	BIT BOTK 11AC V10 7W/W	2,54 mm/0.100"
3760903771	BIT BOTK 11AC V13 7W/W	2,54 mm/0.100"
3702629000	BIT BOTK KSS++ ECF13 8W/W	3,05 mm/0.120"
3760918227	BIT BOTK 8-9 ECF13 8W/W	3,05 mm/0.120"
3760918237	BIT BOTK 8-9 JET13 6W/W	3,0 mm/0.118"
3760918247	BIT BOTK 8-9 JET16 6W/W	3,0 mm/0.118"
3760918228	BIT BOTK 9 ECF13 8W/W	3,05 mm/0.120"
3760918238	BIT BOTK 9 JET13 6W/W	3,0 mm/0.118"
3760918248	BIT BOTK 9 JET16 6W/W	3,0 mm/0.118"
3760918229	BIT BOTK 10 ECF13 8W/W	3,05 mm/0.120"
3760918239	BIT BOTK 10 JET13 6W/W	3,0 mm/0.118"
3760918249	BIT BOTK 10 JET16 6W/W	3,0 mm/0.118"

56,6 HAGBY (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918073	BIT 56,6HBY 4-6 ECF13 10W/W	3,05 mm/0.120"
3760918083	BIT 56,6HBY 4-6 JET16 4W/W	3,71 mm/0.146"
3760919165	BIT 56,6HBY 7AC JET26 3W/W	3,71 mm/0.146"
3760918075	BIT 56,6HBY 6-8 ECF13 10W/W	3,05 mm/0.120"
3760918085	BIT 56,6HBY 6-8 JET16 4W/W	3,71 mm/0.146"
3760919161	BIT 56,6HBY 6-8 JET26 3W/W	3,71 mm/0.146"
3760919166	BIT 56,6HBY 7ACF JET26 3W/W	3,71 mm/0.146"
3760919167	BIT 56,6HBY 11AC JET26 3W/W	3,71 mm/0.146"
3702629800	BIT 56,6HBY KSS++ ECF13 10W/W	3,05 mm/0.120"
3760919169	BIT 56,6HBY KSS++ JET26 3W/W	3,71 mm/0.146"

Part No.	Description/Application	Waterway width at ID
3760918077	BIT 56,6HBY 8-9 ECF13 10W/W	3,05 mm/0.120"
3760918087	BIT 56,6HBY 8-9 JET16 4W/W	3,71 mm/0.146"
3760919162	BIT 56,6HBY 8-9 JET26 3W/W	3,71 mm/0.146"
3760918078	BIT 56,6HBY 9 ECF13 10W/W	3,05 mm/0.120"
3760918088	BIT 56,6HBY 9 JET16 4W/W	3,71 mm/0.146"
3760919163	BIT 56,6HBY 9 JET26 3W/W	3,71 mm/0.146"
3760918079	BIT 56,6HBY 10 ECF13 10W/W	3,05 mm/0.120"
3760918089	BIT 56,6HBY 10 JET16 4W/W	3,71 mm/0.146"
3760919164	BIT 56,6HBY 10 JET26 3W/W	3,71 mm/0.146"

Wireline diamond impregnated core bits

N SIZE

NO (Double tube)

Part No.	Description/Application	Waterway width at ID	Part No.	Description/Application	Waterway width at ID
3760919045	BIT NO 4-6 ECF10 10W/W	3,78 mm/0.149"	3760919126	BIT NO 7ACF JET26 4W/W	4,62 mm/0.182"
3760901975	BIT NO 4-6 ECF10 8W/W	4,62 mm/0.182"	3760904406	BIT NO 7ACF V10 9W/W	2,49 mm/0.098"
3760918263	BIT NO 4-6 ECF13 10W/W	3,78 mm/0.149"	3760903823	BIT NO 7ACF V13 9W/W	2,49 mm/0.098"
3760918841	BIT NO 4-6 ECF13 8W/W	4,62 mm/0.182"	3760904964	BIT NO 7ACF V16 9W/W	2,49 mm/0.098"
3760918613	BIT NO 4-6 ECF16 10W/W	3,78 mm/0.149"	3760903812	BIT NO 11AC ECF10 10W/W	3,78 mm/0.149"
3760918603	BIT NO 4-6 ECF16 8W/W	4,62 mm/0.182"	3760904400	BIT NO 11AC ECF10 8W/W	4,62 mm/0.182"
3760918923	BIT NO 4-6 EXFD13 6W/W	8,0 mm/0.315"	3760903772	BIT NO 11AC ECF13 10W/W	3,78 mm/0.149"
3760918273	BIT NO 4-6 JET13 8W/W	4,62 mm/0.182"	3760904107	BIT NO 11AC ECF13 8W/W	4,62 mm/0.182"
3760918266	BIT NO 4-6 SAND10 8W/W	5,08 mm/0.200"	3760904942	BIT NO 11AC ECF16 8W/W	4,62 mm/0.182"
3760918849	BIT NO 4-6 SAND13 8W/W	5,08 mm/0.200"	3760919007	BIT NO 11AC EXFD13 6W/W	8,0 mm/0.315"
3760904388	BIT NO 7AC ECF10 10W/W	3,78 mm/0.149"	3760905461	BIT NO 11AC JET16 8W/W	4,62 mm/0.182"
3760904396	BIT NO 7AC ECF10 8W/W	4,62 mm/0.182"	3760919127	BIT NO 11AC JET26 4W/W	4,62 mm/0.182"
3760903983	BIT NO 7AC ECF13 10W/W	3,78 mm/0.149"	3760904253	BIT NO 11AC TAPER8 8W/W	3,18 mm/0.125"
3760904264	BIT NO 7AC ECF13 8W/W	4,62 mm/0.182"	3760903620	BIT NO 11AC V10 9W/W	2,49 mm/0.098"
3760905041	BIT NO 7AC ECF16 8W/W	4,62 mm/0.182"	3760903399	BIT NO 11AC V13 9W/W	2,49 mm/0.098"
3760905465	BIT NO 7AC JET16 8W/W	4,62 mm/0.182"	3760904962	BIT NO 11AC V16 9W/W	2,49 mm/0.098"
3760919125	BIT NO 7AC JET26 4W/W	4,62 mm/0.182"	3760919129	BIT NO KSS++ JET26 4W/W	4,62 mm/0.182"
3760919182	BIT NO 7AC SAND13 8W/W	5,08 mm/0.200"	8370230031	BIT NO KSS++ ECF10 10W/W	3,78 mm/0.149"
3760919183	BIT NO 7AC SAND16 8W/W	5,08 mm/0.200"	8370230025	BIT NO KSS++ ECF13 10W/W	3,78 mm/0.149"
3760905753	BIT NO 7AC TAPER8 8W/W	3,18 mm/0.125"	3702678900	BIT NO KSS++ ECF16 10W/W	3,78 mm/0.149"
3760903654	BIT NO 7AC V10 9W/W	2,49 mm/0.098"	3701681712	BIT NO KSS++ V10 9W/W	2,49 mm/0.098"
3760903350	BIT NO 7AC V13 9W/W	2,49 mm/0.098"	3760919048	BIT NO 8-9 ECF10 10W/W	3,78 mm/0.149"
3760904947	BIT NO 7AC V16 9W/W	2,49 mm/0.098"	3760918267	BIT NO 8-9 ECF13 10W/W	3,78 mm/0.149"
3760919047	BIT NO 6-8 ECF10 10W/W	3,78 mm/0.149"	3760918257	BIT NO 8-9 ECF13 8W/W	4,62 mm/0.182"
3760918265	BIT NO 6-8 ECF13 10W/W	3,78 mm/0.149"	3760918617	BIT NO 8-9 ECF16 10W/W	3,78 mm/0.149"
3760918255	BIT NO 6-8 ECF13 8W/W	4,62 mm/0.182"	3760918607	BIT NO 8-9 ECF16 8W/W	4,62 mm/0.182"
3760918615	BIT NO 6-8 ECF16 10W/W	3,78 mm/0.149"	3760918926	BIT NO 8-9 EXFD13 6W/W	8,0 mm/0.315"
3760918605	BIT NO 6-8 ECF16 8W/W	4,62 mm/0.182"	3760918277	BIT NO 8-9 JET13 8W/W	4,62 mm/0.182"
3760918925	BIT NO 6-8 EXFD13 6W/W	8,0 mm/0.315"	3760918287	BIT NO 8-9 JET16 8W/W	4,62 mm/0.182"
3760918275	BIT NO 6-8 JET13 8W/W	4,62 mm/0.182"	3760919122	BIT NO 8-9 JET26 4W/W	4,62 mm/0.182"
3760918285	BIT NO 6-8 JET16 8W/W	4,62 mm/0.182"	3760905514	BIT NO 8-9 V13 9W/W	2,49 mm/0.098"
3760919121	BIT NO 6-8 JET26 4W/W	4,62 mm/0.182"	3760919049	BIT NO 9 ECF10 10W/W	3,78 mm/0.149"
3760919180	BIT NO 6-8 SAND13 8W/W	5,08 mm/0.200"	3760918268	BIT NO 9 ECF13 10W/W	3,78 mm/0.149"
3760919181	BIT NO 6-8 SAND16 8W/W	5,08 mm/0.200"	3760918258	BIT NO 9 ECF13 8W/W	4,62 mm/0.182"
3760905540	BIT NO 6-8 V13 9W/W	2,49 mm/0.098"	3760918618	BIT NO 9 ECF16 10W/W	3,78 mm/0.149"
3760919055	BIT NO 6-8 V16 9W/W	2,49 mm/0.098"	3760918608	BIT NO 9 ECF16 8W/W	4,62 mm/0.182"
3760904389	BIT NO 7ACF ECF10 10W/W	3,78 mm/0.149"	3760918927	BIT NO 9 EXFD13 6W/W	8,0 mm/0.315"
3760904397	BIT NO 7ACF ECF10 8W/W	4,62 mm/0.182"	3760918278	BIT NO 9 JET13 8W/W	4,62 mm/0.182"
3760903807	BIT NO 7ACF ECF13 10W/W	3,78 mm/0.149"	3760918288	BIT NO 9 JET16 8W/W	4,62 mm/0.182"
3760904404	BIT NO 7ACF ECF13 8W/W	4,62 mm/0.182"	3760919123	BIT NO 9 JET26 4W/W	4,62 mm/0.182"
3760918282	BIT NO 7ACF ECF16 8W/W	4,62 mm/0.182"	3760920274	BIT NO 9 SAND13 8W/W	5,08 mm/0.200"
3760919009	BIT NO 7ACF EXFD13 6W/W	8,0 mm/0.315"	3760920275	BIT NO 9 SAND16 8W/W	5,08 mm/0.200"

Wireline diamond impregnated core bits

NO (Double tube) – continued

Part No.	Description/Application	Waterway width at ID
3760919050	BIT NO 10 ECF10 10W/W	3,78 mm/0.149"
3760918269	BIT NO 10 ECF13 10W/W	3,78 mm/0.149"
3760918259	BIT NO 10 ECF13 8W/W	4,62 mm/0.182"
3760918619	BIT NO 10 ECF16 10W/W	3,78 mm/0.149"
3760918609	BIT NO 10 ECF16 8W/W	4,62 mm/0.182"

Part No.	Description/Application	Waterway width at ID
3760918921	BIT NO 10 EXFD13 6W/W	8,0 mm/0.315"
3760918279	BIT NO 10 JET13 8W/W	4,62 mm/0.182"
3760918289	BIT NO 10 JET16 8W/W	4,62 mm/0.182"
3760919124	BIT NO 10 JET26 4W/W	4,62 mm/0.182"
3760905521	BIT NO 10 V13 9W/W	2,49 mm/0.098"

NO OS (Double tube oversize 3.032")

Part No.	Description/Application	Waterway width at ID
3760918703	BIT NO OS 4-6 ECF13 8W/W	4,57 mm/0.180"
3760918713	BIT NO OS 4-6 ECF16 8W/W	4,57 mm/0.180"
3760905002	BIT NO OS 7AC ECF10 8W/W	4,57 mm/0.180"
3760918705	BIT NO OS 6-8 ECF13 8W/W	4,57 mm/0.180"
3760918715	BIT NO OS 6-8 ECF16 8W/W	4,57 mm/0.180"
3760905003	BIT NO OS 11AC ECF10 8W/W	4,57 mm/0.180"

Part No.	Description/Application	Waterway width at ID
3760918707	BIT NO OS 8-9 ECF13 8W/W	4,57 mm/0.180"
3760918717	BIT NO OS 8-9 ECF16 8W/W	4,57 mm/0.180"
3760918708	BIT NO OS 9 ECF13 8W/W	4,57 mm/0.180"
3760918718	BIT NO OS 9 ECF16 8W/W	4,57 mm/0.180"
3760918709	BIT NO OS 10 ECF13 8W/W	4,57 mm/0.180"
3760918719	BIT NO OS 10 ECF16 8W/W	4,57 mm/0.180"

NO2/NOTK (Double tube thin kerf)

Part No.	Description/Application	Waterway width at ID
3760904450	BIT NO2 7AC ECF10 10W/W	4,22 mm/0.166"
3760904128	BIT NO2 7AC ECF13 10W/W	4,22 mm/0.166"
3760903505	BIT NO2 7AC ECF13 8W/W	5,13 mm/0.202"
3760919115	BIT NO2 7AC JET26 4W/W	3,0 mm/0.118"
3760917395	BIT NO2 7AC TAPER8 8W/W	3,18 mm/0.125"
3760904465	BIT NO2 7AC V10 9W/W	2,49 mm/0.098"
3760903415	BIT NO2 7AC V13 9W/W	2,49 mm/0.098"
3760918315	BIT NO2 6-8 ECF13 10W/W	4,22 mm/0.166"
3760918305	BIT NO2 6-8 ECF13 8W/W	5,13 mm/0.202"
3760918635	BIT NO2 6-8 ECF16 10W/W	4,22 mm/0.166"
3760918625	BIT NO2 6-8 ECF16 8W/W	5,13 mm/0.202"
3760918325	BIT NO2 6-8 JET13 8W/W	3,0 mm/0.118"
3760918335	BIT NO2 6-8 JET16 8W/W	3,0 mm/0.118"
3760919111	BIT NO2 6-8 JET26 4W/W	3,0 mm/0.118"
3760904451	BIT NO2 7ACF ECF10 10W/W	4,22 mm/0.166"
3760904459	BIT NO2 7ACF ECF10 8W/W	5,13 mm/0.202"
3760904129	BIT NO2 7ACF ECF13 10W/W	4,22 mm/0.166"
3760904018	BIT NO2 7ACF ECF13 8W/W	5,13 mm/0.202"
3760919116	BIT NO2 7ACF JET26 4W/W	3,0 mm/0.118"
3760904466	BIT NO2 7ACF V10 9W/W	2,49 mm/0.098"

Part No.	Description/Application	Waterway width at ID
3760904021	BIT NO2 7ACF V13 9W/W	2,49 mm/0.098"
3760904454	BIT NO2 11AC ECF10 10W/W	4,22 mm/0.166"
3760904462	BIT NO2 11AC ECF10 8W/W	5,13 mm/0.202"
3760904131	BIT NO2 11AC ECF13 10W/W	4,22 mm/0.166"
3760904010	BIT NO2 11AC ECF13 8W/W	5,13 mm/0.202"
3760918969	BIT NO2 11AC ECF16 8W/W	5,13 mm/0.202"
3760919117	BIT NO2 11AC JET26 4W/W	3,0 mm/0.118"
3760917396	BIT NO2 11AC TAPER8 8W/W	3,18 mm/0.125"
3760904469	BIT NO2 11AC V10 9W/W	2,49 mm/0.098"
3760903524	BIT NO2 11AC V13 9W/W	2,49 mm/0.098"
3702646700	BIT NO2 KSS++ ECF10 8W/W	5,13 mm/0.202"
3701681711	BIT NO2 KSS++ ECF13 10W/W	4,22 mm/0.166"
3702641400	BIT NO2 KSS++ ECF13 8W/W	5,13 mm/0.202"
3701680005	BIT NO2 KSS++ JET16 8W/W	3,0 mm/0.118"
3760919119	BIT NO2 KSS++ JET26 4W/W	3,0 mm/0.118"
3760918317	BIT NO2 8-9 ECF13 10W/W	4,22 mm/0.166"
3760918307	BIT NO2 8-9 ECF13 8W/W	5,13 mm/0.202"
3760918637	BIT NO2 8-9 ECF16 10W/W	4,22 mm/0.166"
3760918627	BIT NO2 8-9 ECF16 8W/W	5,13 mm/0.202"
3760918327	BIT NO2 8-9 JET13 8W/W	3,0 mm/0.118"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Wireline diamond impregnated core bits

N SIZE

NO2/NOTK (Double tube thin kerf) – continued

Part No.	Description/Application	Waterway width at ID
3760918337	BIT NO2 8-9 JET16 8W/W	3,0 mm/0.118"
14B09D1901	BIT NO2 8-9 JET20 ECF1 4W/W	3,0 mm/0.118"
3760919112	BIT NO2 8-9 JET26 4W/W	3,0 mm/0.118"
3760918318	BIT NO2 9 ECF13 10W/W	4,22 mm/0.166"
3760918308	BIT NO2 9 ECF13 8W/W	5,13 mm/0.202"
3760918638	BIT NO2 9 ECF16 10W/W	4,22 mm/0.166"
3760918628	BIT NO2 9 ECF16 8W/W	5,13 mm/0.202"
3760918328	BIT NO2 9 JET13 8W/W	3,0 mm/0.118"
3760918338	BIT NO2 9 JET16 8W/W	3,0 mm/0.118"

Part No.	Description/Application	Waterway width at ID
3760919113	BIT NO2 9 JET26 4W/W	3,0 mm/0.118"
3760918319	BIT NO2 10 ECF13 10W/W	4,22 mm/0.166"
3760918309	BIT NO2 10 ECF13 8W/W	5,13 mm/0.202"
3760918639	BIT NO2 10 ECF16 10W/W	4,22 mm/0.166"
3760918629	BIT NO2 10 ECF16 8W/W	5,13 mm/0.202"
3760918329	BIT NO2 10 JET13 8W/W	3,0 mm/0.118"
3760918339	BIT NO2 10 JET16 8W/W	3,0 mm/0.118"
3760919114	BIT NO2 10 JET26 4W/W	3,0 mm/0.118"

NO2/NOTK OS (Double tube thin kerf oversize 3.032")

Part No.	Description/Application	Waterway width at ID
3760918783	BIT NO2 OS 4-6 ECF13 8W/W	4,93 mm/0.194"
3760918793	BIT NO2 OS 4-6 ECF16 8W/W	4,93 mm/0.194"
3760918803	BIT NO2 OS 4-6 JET16 8W/W	4,93 mm/0.194"
3760917437	BIT NO2 OS 7AC ECF16 8W/W	4,93 mm/0.194"
3760903974	BIT NO2 OS 7AC V10 9W/W	2,49 mm/0.098"
3760903441	BIT NO2 OS 7AC V13 9W/W	2,49 mm/0.098"
3760918785	BIT NO2 OS 6-8 ECF13 8W/W	4,93 mm/0.194"
3760918795	BIT NO2 OS 6-8 ECF16 8W/W	4,93 mm/0.194"
3760918805	BIT NO2 OS 6-8 JET16 8W/W	4,93 mm/0.194"
3760904410	BIT NO2 OS 11AC ECF10 8W/W	4,93 mm/0.194"

Part No.	Description/Application	Waterway width at ID
3760918787	BIT NO2 OS 8-9 ECF13 8W/W	4,93 mm/0.194"
3760918797	BIT NO2 OS 8-9 ECF16 8W/W	4,93 mm/0.194"
3760918807	BIT NO2 OS 8-9 JET16 8W/W	4,93 mm/0.194"
3760918788	BIT NO2 OS 9 ECF13 8W/W	4,93 mm/0.194"
3760918798	BIT NO2 OS 9 ECF16 8W/W	4,93 mm/0.194"
3760918808	BIT NO2 OS 9 JET16 8W/W	4,93 mm/0.194"
3760918809	BIT NO2 OS 10 JET16 8W/W	4,93 mm/0.194"
3760918789	BIT NO2 OS 10 ECF13 8W/W	4,93 mm/0.194"
3760918799	BIT NO2 OS 10 ECF16 8W/W	4,93 mm/0.194"

NO3 (Triple tube)

Part No.	Description/Application	Waterway width at ID
3760918353	BIT NO3 4-6 ECF13 10W/W	3,66 mm/0.144"
3760918343	BIT NO3 4-6 ECF13 8W/W	4,5 mm/0.177"
3760918930	BIT NO3 4-6 EXFD13 6W/W	8,0 mm/0.315"
3760918363	BIT NO3 4-6 JET13 8W/W	4,5 mm/0.177"
3760918373	BIT NO3 4-6 JET16 8W/W	4,5 mm/0.177"
3760904479	BIT NO3 7AC ECF10 8W/W	4,5 mm/0.177"
3760904422	BIT NO3 7AC ECF13 8W/W	4,5 mm/0.177"
3760919013	BIT NO3 7AC EXFD13 6W/W	8,0 mm/0.315"
3760918355	BIT NO3 6-8 ECF13 10W/W	3,66 mm/0.144"
3760918345	BIT NO3 6-8 ECF13 8W/W	4,5 mm/0.177"
3760918931	BIT NO3 6-8 EXFD13 6W/W	8,0 mm/0.315"
3760918365	BIT NO3 6-8 JET13 8W/W	4,5 mm/0.177"
3760918375	BIT NO3 6-8 JET16 8W/W	4,5 mm/0.177"
3760904480	BIT NO3 7ACF ECF10 8W/W	4,5 mm/0.177"
3760904186	BIT NO3 7ACF ECF13 8W/W	4,5 mm/0.177"
3760919014	BIT NO3 7ACF EXFD13 6W/W	8,0 mm/0.315"
3760904483	BIT NO3 11AC ECF10 8W/W	4,5 mm/0.177"
3760904184	BIT NO3 11AC ECF13 8W/W	4,5 mm/0.177"

Part No.	Description/Application	Waterway width at ID
3760919011	BIT NO3 11AC EXFD13 6W/W	8,0 mm/0.315"
3702662900	BIT NO3 KSS++ ECF10 10W/W	3,66 mm/0.144"
3760918357	BIT NO3 8-9 ECF13 10W/W	3,66 mm/0.144"
3760918347	BIT NO3 8-9 ECF13 8W/W	4,5 mm/0.177"
3760918932	BIT NO3 8-9 EXFD13 6W/W	8,0 mm/0.315"
3760918367	BIT NO3 8-9 JET13 8W/W	4,5 mm/0.177"
3760918377	BIT NO3 8-9 JET16 8W/W	4,5 mm/0.177"
3760918358	BIT NO3 9 ECF13 10W/W	3,66 mm/0.144"
3760918348	BIT NO3 9 ECF13 8W/W	4,5 mm/0.177"
3760918933	BIT NO3 9 EXFD13 6W/W	8,0 mm/0.315"
3760918368	BIT NO3 9 JET13 8W/W	4,5 mm/0.177"
3760918378	BIT NO3 9 JET16 8W/W	4,5 mm/0.177"
3760918359	BIT NO3 10 ECF13 10W/W	3,66 mm/0.144"
3760918349	BIT NO3 10 ECF13 8W/W	4,5 mm/0.177"
3760918928	BIT NO3 10 EXFD13 6W/W	8,0 mm/0.315"
3760918369	BIT NO3 10 JET13 8W/W	4,5 mm/0.177"
3760918379	BIT NO3 10 JET16 8W/W	4,5 mm/0.177"

Wireline diamond impregnated core bits

NO3 OS (Double tube oversize 3.032")

Part No.	Description/Application	Waterway width at ID
3760918813	BIT NO3 OS 4-6 ECF13 8W/W	4,5 mm/0.177"
3760918815	BIT NO3 OS 6-8 ECF13 8W/W	4,5 mm/0.177"
3760918817	BIT NO3 OS 8-9 ECF13 8W/W	4,5 mm/0.177"

Part No.	Description/Application	Waterway width at ID
3760918818	BIT NO3 OS 9 ECF13 8W/W	4,5 mm/0.177"
3760918819	BIT NO3 OS 10 ECF13 8W/W	4,5 mm/0.177"

NTW (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918403	BIT NTW 4-6 CF13 10W/W	3,18 mm/0.125"
3760918653	BIT NTW 4-6 CF16 10W/W	3,18 mm/0.125"
3760918405	BIT NTW 6-8 CF13 10W/W	3,18 mm/0.125"
3760918655	BIT NTW 6-8 CF16 10W/W	3,18 mm/0.125"
3760919101	BIT NTW 6-8 JET26 4W/W	3,18 mm/0.125"
3760905520	BIT NTW 7AC CF16 10W/W	3,18 mm/0.125"
3760919105	BIT NTW 7AC JET26 4W/W	3,18 mm/0.125"
3760905513	BIT NTW 7AC TB13 10W/W	3,18 mm/0.125"
3760904608	BIT NTW 7ACF CF13 10W/W	3,18 mm/0.125"
3760905523	BIT NTW 7ACF CF16 10W/W	3,18 mm/0.125"
3760919106	BIT NTW 7ACF JET26 4W/W	3,18 mm/0.125"
3760904076	BIT NTW 7ACF TB13 10W/W	3,18 mm/0.125"
3760903915	BIT NTW 11AC CF13 10W/W	3,18 mm/0.125"
3760905729	BIT NTW 11AC CF13 10W/W	3,18 mm/0.125"

Part No.	Description/Application	Waterway width at ID
3760905516	BIT NTW 11AC CF16 10W/W	3,18 mm/0.125"
3760919107	BIT NTW 11AC JET26 4W/W	3,18 mm/0.125"
3760904077	BIT NTW 11AC TB13 10W/W	3,18 mm/0.125"
3760919109	BIT NTW KSS++ JET26 4W/W	3,18 mm/0.125"
3760918407	BIT NTW 8-9 CF13 10W/W	3,18 mm/0.125"
3760918657	BIT NTW 8-9 CF16 10W/W	3,18 mm/0.125"
3760919102	BIT NTW 8-9 JET26 4W/W	3,18 mm/0.125"
3760918408	BIT NTW 9 CF13 10W/W	3,18 mm/0.125"
3760918658	BIT NTW 9 CF16 10W/W	3,18 mm/0.125"
3760919103	BIT NTW 9 JET26 4W/W	3,18 mm/0.125"
3760918409	BIT NTW 10 CF13 10W/W	3,18 mm/0.125"
3760918659	BIT NTW 10 CF16 10W/W	3,18 mm/0.125"
3760919104	BIT NTW 10 JET26 4W/W	3,18 mm/0.125"

NGM/NDBGM (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918393	BIT NGM 4-6 CF13 10W/W	3,18 mm/0.125"
3760918643	BIT NGM 4-6 CF16 10W/W	3,18 mm/0.125"
3760918395	BIT NGM 6-8 CF13 10W/W	3,18 mm/0.125"
3760918645	BIT NGM 6-8 CF16 10W/W	3,18 mm/0.125"
3760904605	BIT NGM 7ACF CF13 10W/W	3,18 mm/0.125"
3760904954	BIT NGM 11AC CF13 10W/W	3,18 mm/0.125"
8370230035	BIT NGM KSS++ CF13 10W/W	3,18 mm/0.125"

Part No.	Description/Application	Waterway width at ID
3760918397	BIT NGM 8-9 CF13 10W/W	3,18 mm/0.125"
3760918647	BIT NGM 8-9 CF16 10W/W	3,18 mm/0.125"
3760918398	BIT NGM 9 CF13 10W/W	3,18 mm/0.125"
3760918648	BIT NGM 9 CF16 10W/W	3,18 mm/0.125"
3760918399	BIT NGM 10 CF13 10W/W	3,18 mm/0.125"
3760918649	BIT NGM 10 CF16 10W/W	3,18 mm/0.125"

DEVICO 76 (Double tube directional drilling)

Part No.	Description/Application	Waterway width at ID
3760918880	BIT DEVICO 6-8 TB10 6W/W	5,0 mm/0.197"
3702694000	BIT DEVICO KSS++ TB10 6W/W	5,0 mm/0.197"
3760918908	BIT DEVICO 8-9 TB10 6W/W	5,0 mm/0.197"
3702697000	BIT DEVICO 9 TB10 6W/W	5,0 mm/0.197"
3760918879	BIT DEVICO 10 TB10 6W/W	5,0 mm/0.197"



Devico bit



Devico RShell

Wireline diamond impregnated core bits

H SIZE

HO (Double tube)

Part No.	Description/Application	Waterway width at ID
3760918882	BIT HO 4-6 ECF10 10W/W	5,33 mm/0.210"
3760918413	BIT HO 4-6 ECF13 10W/W	5,33 mm/0.210"
3760918663	BIT HO 4-6 ECF16 10W/W	5,33 mm/0.210"
3760918965	BIT HO 4-6 EXFD13 8W/W	8,99 mm/0.354"
3760918423	BIT HO 4-6 JET13 10W/W	5,33 mm/0.210"
3760918433	BIT HO 4-6 JET16 10W/W	5,33 mm/0.210"
3760918446	BIT HO 4-6 SAND10 8W/W	8,99 mm/0.354"
3760918844	BIT HO 4-6 SAND13 8W/W	8,99 mm/0.354"
3760918846	BIT HO 4-6 SAND16 8W/W	8,99 mm/0.354"
3760904505	BIT HO 7AC ECF10 10W/W	5,33 mm/0.210"
3760904496	BIT HO 7AC ECF10 13W/W	3,3 mm/0.130"
3760904122	BIT HO 7AC ECF13 10W/W	5,33 mm/0.210"
3760904116	BIT HO 7AC ECF13 13W/W	3,3 mm/0.130"
3760905045	BIT HO 7AC ECF16 10W/W	5,33 mm/0.210"
3760905766	BIT HO 7AC JET16 10W/W	5,33 mm/0.210"
3760919135	BIT HO 7AC JET26 4W/W	5,33 mm/0.210"
3760905751	BIT HO 7AC SAND10 8W/W	8,99 mm/0.354"
3760905229	BIT HO 7AC TAPER10 10W/W	3,18 mm/0.125"
3760904509	BIT HO 7AC V10 11W/W	2,51 mm/0.099"
3760903363	BIT HO 7AC V13 11W/W	2,51 mm/0.099"
3760918884	BIT HO 6-8 ECF10 10W/W	5,33 mm/0.210"
3760918415	BIT HO 6-8 ECF13 10W/W	5,33 mm/0.210"
3760918665	BIT HO 6-8 ECF16 10W/W	5,33 mm/0.210"
3760918967	BIT HO 6-8 EXFD13 8W/W	8,99 mm/0.354"
3760918425	BIT HO 6-8 JET13 10W/W	5,33 mm/0.210"
3760918435	BIT HO 6-8 JET16 10W/W	5,33 mm/0.210"
3760919131	BIT HO 6-8 JET26 4W/W	5,33 mm/0.210"
3760919026	BIT HO 6-8 SAND13 8W/W	8,99 mm/0.354"
3760904506	BIT HO 7ACF ECF10 10W/W	5,33 mm/0.210"
3760904497	BIT HO 7ACF ECF10 13W/W	3,3 mm/0.130"
3760903978	BIT HO 7ACF ECF13 10W/W	5,33 mm/0.210"
3760904117	BIT HO 7ACF ECF13 13W/W	3,3 mm/0.130"
3760905769	BIT HO 7ACF ECF16 10W/W	5,33 mm/0.210"
3760918988	BIT HO 7ACF EXFD13 8W/W	8,99 mm/0.354"
3760905767	BIT HO 7ACF JET16 10W/W	5,33 mm/0.210"
3760919136	BIT HO 7ACF JET26 4W/W	5,33 mm/0.210"
3760904714	BIT HO 7ACF SAND10 8W/W	8,99 mm/0.354"
3760905760	BIT HO 7ACF TAPER10 10W/W	3,18 mm/0.125"
3760904510	BIT HO 7ACF V10 11W/W	2,51 mm/0.099"
3760903824	BIT HO 7ACF V13 11W/W	2,51 mm/0.099"

Part No.	Description/Application	Waterway width at ID
3760903499	BIT HO 11AC ECF10 10W/W	5,33 mm/0.210"
3760904500	BIT HO 11AC ECF10 13W/W	3,3 mm/0.130"
3760904123	BIT HO 11AC ECF13 10W/W	5,33 mm/0.210"
3760905726	BIT HO 11AC ECF13 10W/W	5,33 mm/0.210"
3760904119	BIT HO 11AC ECF13 13W/W	3,3 mm/0.130"
3760904838	BIT HO 11AC ECF16 10W/W	5,33 mm/0.210"
3760918987	BIT HO 11AC EXFD13 8W/W	8,99 mm/0.354"
3760919137	BIT HO 11AC JET26 4W/W	5,33 mm/0.210"
3760904996	BIT HO 11AC SAND10 8W/W	8,99 mm/0.354"
3760905612	BIT HO 11AC TAPER10 10W/W	3,18 mm/0.125"
3760904512	BIT HO 11AC V10 11W/W	2,51 mm/0.099"
3760903519	BIT HO 11AC V13 11W/W	2,51 mm/0.099"
3702611500	BIT HO KSS++ ECF10 13W/W	3,3 mm/0.130"
8370230026	BIT HO KSS++ ECF13 13W/W	3,3 mm/0.130"
3760918990	BIT HO KSS++ EXFD10 8W/W	8,99 mm/0.354"
3701681713	BIT HO KSS++ JET16 10W/W	5,33 mm/0.210"
3760919139	BIT HO KSS++ JET26 4W/W	5,33 mm/0.210"
3760918885	BIT HO 8-9 ECF10 10W/W	5,33 mm/0.210"
3760918417	BIT HO 8-9 ECF13 10W/W	5,33 mm/0.210"
3760918667	BIT HO 8-9 ECF16 10W/W	5,33 mm/0.210"
3760918968	BIT HO 8-9 EXFD13 8W/W	8,99 mm/0.354"
3760918427	BIT HO 8-9 JET13 10W/W	5,33 mm/0.210"
3760918437	BIT HO 8-9 JET16 10W/W	5,33 mm/0.210"
3760919132	BIT HO 8-9 JET26 4W/W	5,33 mm/0.210"
3760919027	BIT HO 8-9 SAND13 8W/W	8,99 mm/0.354"
3760918949	BIT HO 8-9 V13 11W/W	2,51 mm/0.099"
3760918886	BIT HO 9 ECF10 10W/W	5,33 mm/0.210"
3760918418	BIT HO 9 ECF13 10W/W	5,33 mm/0.210"
3760918668	BIT HO 9 ECF16 10W/W	5,33 mm/0.210"
3760918989	BIT HO 9 EXFD13 8W/W	8,99 mm/0.354"
3760918428	BIT HO 9 JET13 10W/W	5,33 mm/0.210"
3760918438	BIT HO 9 JET16 10W/W	5,33 mm/0.210"
3760919133	BIT HO 9 JET26 4W/W	5,33 mm/0.210"
3760918887	BIT HO 10 ECF10 10W/W	5,33 mm/0.210"
3760918419	BIT HO 10 ECF13 10W/W	5,33 mm/0.210"
3760918669	BIT HO 10 ECF16 10W/W	5,33 mm/0.210"
3760918956	BIT HO 10 EXFD13 8W/W	8,99 mm/0.354"
3760918429	BIT HO 10 JET13 10W/W	5,33 mm/0.210"
3760918439	BIT HO 10 JET16 10W/W	5,33 mm/0.210"
3760919134	BIT HO 10 JET26 4W/W	5,33 mm/0.210"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Wireline diamond impregnated core bits

HO OS (Double tube oversize 3.830")

Part No.	Description/Application	Waterway width at ID
3760918453	BIT HO OS 4-6 ECF13 10W/W	5,74 mm/0.226"
3760918673	BIT HO OS 4-6 ECF16 10W/W	5,74 mm/0.226"
3760918960	BIT HO OS 4-6 EXFD 13 8W/W	8,99 mm/0.354"
3760918463	BIT HO OS 4-6 JET13 10W/W	5,74 mm/0.226"
3760918473	BIT HO OS 4-6 JET16 10W/W	5,74 mm/0.226"
3760905000	BIT HO OS 7AC ECF13 10W/W	5,74 mm/0.226"
3760905757	BIT HO OS 7AC ECF16 10W/W	5,74 mm/0.226"
3760918455	BIT HO OS 6-8 ECF13 10W/W	5,74 mm/0.226"
3760918675	BIT HO OS 6-8 ECF16 10W/W	5,74 mm/0.226"
3760918962	BIT HO OS 6-8 EXFD13 8W/W	8,99 mm/0.354"
3760918465	BIT HO OS 6-8 JET13 10W/W	5,74 mm/0.226"
3760918475	BIT HO OS 6-8 JET16 10W/W	5,74 mm/0.226"
3760903907	BIT HO OS 7ACF ECF10 10W/W	5,74 mm/0.226"
3760918457	BIT HO OS 8-9 ECF13 10W/W	5,74 mm/0.226"

Part No.	Description/Application	Waterway width at ID
3760918677	BIT HO OS 8-9 ECF16 10W/W	5,74 mm/0.226"
3760918487	BIT HO OS 8-9 EXFD13 8W/W	8,99 mm/0.354"
3760918467	BIT HO OS 8-9 JET13 10W/W	5,74 mm/0.226"
3760918477	BIT HO OS 8-9 JET16 10W/W	5,74 mm/0.226"
3760918458	BIT HO OS 9 ECF13 10W/W	5,74 mm/0.226"
3760918678	BIT HO OS 9 ECF16 10W/W	5,74 mm/0.226"
3760918964	BIT HO OS 9 EXFD13 8W/W	8,99 mm/0.354"
3760918468	BIT HO OS 9 JET13 10W/W	5,74 mm/0.226"
3760918478	BIT HO OS 9 JET16 10W/W	5,74 mm/0.226"
3760918459	BIT HO OS 10 ECF13 10W/W	5,74 mm/0.226"
3760918679	BIT HO OS 10 ECF16 10W/W	5,74 mm/0.226"
3760918489	BIT HO OS 10 EXFD13 8W/W	8,99 mm/0.354"
3760918469	BIT HO OS 10 JET13 10W/W	5,74 mm/0.226"
3760918479	BIT HO OS 10 JET16 10W/W	5,74 mm/0.226"

HO3 (Triple tube)

Part No.	Description/Application	Waterway width at ID
3760918493	BIT HO3 4-6 ECF13 10W/W	5,56 mm/0.219"
3760918683	BIT HO3 4-6 ECF16 10W/W	5,56 mm/0.219"
3760918972	BIT HO3 4-6 EXFD13 8W/W	8,99 mm/0.354"
3760918503	BIT HO3 4-6 JET13 10W/W	4,88 mm/0.192"
3760918513	BIT HO3 4-6 JET16 10W/W	4,88 mm/0.192"
3760918733	BIT HO3 4-6 SAND10 8W/W	7,92 mm/0.312"
3760917411	BIT HO3 4-6 SAND13 8W/W	7,92 mm/0.312"
3760917419	BIT HO3 4-6 SAND16 8W/W	7,92 mm/0.312"
3760904525	BIT HO3 7AC ECF10 10W/W	5,56 mm/0.219"
3760904157	BIT HO3 7AC ECF13 10W/W	5,56 mm/0.219"
3760918994	BIT HO3 7AC EXFD13 8W/W	8,99 mm/0.354"
3760917416	BIT HO3 7AC SAND13 8W/W	7,92 mm/0.312"
3760917424	BIT HO3 7AC SAND16 8W/W	7,92 mm/0.312"
3760904535	BIT HO3 7AC V10 11W/W	2,51 mm/0.099"
3760903778	BIT HO3 7AC V13 11W/W	2,51 mm/0.099"
3760918495	BIT HO3 6-8 ECF13 10W/W	5,56 mm/0.219"
3760918685	BIT HO3 6-8 ECF16 10W/W	5,56 mm/0.219"
3760918974	BIT HO3 6-8 EXFD13 8W/W	8,99 mm/0.354"
3760918505	BIT HO3 6-8 JET13 10W/W	4,88 mm/0.192"
3760918515	BIT HO3 6-8 JET16 10W/W	4,88 mm/0.192"
3760918735	BIT HO3 6-8 SAND10 8W/W	7,92 mm/0.312"
3760917412	BIT HO3 6-8 SAND13 8W/W	7,92 mm/0.312"
3760917420	BIT HO3 6-8 SAND16 8W/W	7,92 mm/0.312"
3760904526	BIT HO3 7ACF ECF10 10W/W	5,56 mm/0.219"
3760904156	BIT HO3 7ACF ECF13 13W/W	4,88 mm/0.192"
3760918996	BIT HO3 7ACF EXFD13 8W/W	8,99 mm/0.354"
3760904536	BIT HO3 7ACF V10 11W/W	2,51 mm/0.099"
3760904543	BIT HO3 7ACF V13 11W/W	2,51 mm/0.099"
3760904529	BIT HO3 11AC ECF10 10W/W	5,56 mm/0.219"
3760904678	BIT HO3 11AC ECF13 10W/W	5,56 mm/0.219"
3760904154	BIT HO3 11AC ECF13 13W/W	4,88 mm/0.192"

Part No.	Description/Application	Waterway width at ID
3760918992	BIT HO3 11AC EXFD13 8W/W	8,99 mm/0.354"
3760904238	BIT HO3 11AC SAND10 8W/W	7,92 mm/0.312"
3760917417	BIT HO3 11AC SAND13 8W/W	7,92 mm/0.312"
3760917425	BIT HO3 11AC SAND16 8W/W	7,92 mm/0.312"
3760904539	BIT HO3 11AC V10 11W/W	2,51 mm/0.099"
3760904546	BIT HO3 11AC V13 11W/W	2,51 mm/0.099"
3702677000	BIT HO3 KSS++ ECF10W 10W/W	5,56 mm/0.219"
3760918497	BIT HO3 8-9 ECF13 10W/W	5,56 mm/0.219"
3760918687	BIT HO3 8-9 ECF16 10W/W	5,56 mm/0.219"
3760918975	BIT HO3 8-9 EXFD13 8W/W	8,99 mm/0.354"
3760918507	BIT HO3 8-9 JET13 10W/W	4,88 mm/0.192"
3760918517	BIT HO3 8-9 JET16 10W/W	4,88 mm/0.192"
3760918737	BIT HO3 8-9 SAND10 8W/W	7,92 mm/0.312"
3760917413	BIT HO3 8-9 SAND13 8W/W	7,92 mm/0.312"
3760917421	BIT HO3 8-9 SAND16 8W/W	7,92 mm/0.312"
3760918498	BIT HO3 9 ECF13 10W/W	5,56 mm/0.219"
3760918688	BIT HO3 9 ECF16 10W/W	5,56 mm/0.219"
3760918976	BIT HO3 9 EXFD13 8W/W	8,99 mm/0.354"
3760918508	BIT HO3 9 JET13 10W/W	4,88 mm/0.192"
3760918518	BIT HO3 9 JET16 10W/W	4,88 mm/0.192"
3760918738	BIT HO3 9 SAND10 8W/W	7,92 mm/0.312"
3760917414	BIT HO3 9 SAND13 8W/W	7,92 mm/0.312"
3760917422	BIT HO3 9 SAND16 8W/W	7,92 mm/0.312"
3760918499	BIT HO3 10 ECF13 10W/W	5,56 mm/0.219"
3760918689	BIT HO3 10 ECF16 10W/W	5,56 mm/0.219"
3760918970	BIT HO3 10 EXFD13 8W/W	8,99 mm/0.354"
3760918509	BIT HO3 10 JET13 10W/W	4,88 mm/0.192"
3760918519	BIT HO3 10 JET16 10W/W	4,88 mm/0.192"
3760918739	BIT HO3 10 SAND10 8W/W	7,92 mm/0.312"
3760917415	BIT HO3 10 SAND13 8W/W	7,92 mm/0.312"
3760917423	BIT HO3 10 SAND16 8W/W	7,92 mm/0.312"

Wireline diamond impregnated core bits

H SIZE

HO3 OS (Triple tube oversize 3.830")

Part No.	Description/Application	Waterway width at ID
3760918870	BIT HO3 OS 4-6 ECF13 10W/W	5,56 mm/0.219"
3760918825	BIT HO3 OS 6-8 ECF13 10W/W	5,56 mm/0.219"
3760918827	BIT HO3 OS 8-9 ECF13 10W/W	5,56 mm/0.219"

Part No.	Description/Application	Waterway width at ID
3760918828	BIT HO3 OS 9 ECF13 10W/W	5,56 mm/0.219"
3760918829	BIT HO3 OS 10 ECF13 10W/W	5,56 mm/0.219"

HOTT (Triple tube)

Part No.	Description/Application	Waterway width at ID
3760919005	BIT HOTT 4-6 EXFD10 8W/W	8,99 mm/0.354"

Part No.	Description/Application	Waterway width at ID
3760919006	BIT HOTT 7ACF EXFD10 8W/W	8,99 mm/0.354"
3760919004	BIT HOTT 11AC EXFD10 8W/W	8,99 mm/0.354"

HOTT OS (Triple tube oversize 3.830")

Part No.	Description/Application	Waterway width at ID
3760918979	BIT HOTT OS 4-6 EXFD13 8W/W	8,99 mm/0.354"
3760918833	BIT HOTT OS 4-6 JET16 10W/W	8,33 mm/0.328"
3760917453	BIT HOTT OS 7AC EXFD13 8W/W	8,99 mm/0.354"
3760918981	BIT HOTT OS 6-8 EXFD13 8W/W	8,99 mm/0.354"
3760918835	BIT HOTT OS 6-8 JET16 10W/W	8,33 mm/0.328"
3760917454	BIT HOTT OS 7ACF EXFD13 8W/W	8,99 mm/0.354"
3760919003	BIT HOTT OS 11AC EXFD10 8W/W	8,99 mm/0.354"

Part No.	Description/Application	Waterway width at ID
3760917452	BIT HOTT OS 11AC EXFD13 8W/W	8,99 mm/0.354"
3760918982	BIT HOTT OS 8-9 EXFD13 8W/W	8,99 mm/0.354"
3760918837	BIT HOTT OS 8-9 JET16 10W/W	8,33 mm/0.328"
3760918983	BIT HOTT OS 9 EXFD13 8W/W	8,99 mm/0.354"
3760918838	BIT HOTT OS 9 JET16 10W/W	8,33 mm/0.328"
3760918977	BIT HOTT OS 10 EXFD13 8W/W	8,99 mm/0.354"
3760918839	BIT HOTT OS 10 JET16 10W/W	8,33 mm/0.328"

HTW (Double tube thin wall)

Part No.	Description/Application	Waterway width at ID
3760918532	BIT HTW 4-6 ECF10 10W/W	3,12 mm/0.123"
3760918533	BIT HTW 4-6 ECF13 10W/W	3,12 mm/0.123"
3760918693	BIT HTW 4-6 ECF16 10W/W	3,12 mm/0.123"
3760918535	BIT HTW 6-8 ECF13 10W/W	3,12 mm/0.123"
3760918695	BIT HTW 6-8 ECF16 10W/W	3,12 mm/0.123"
3760904920	BIT HTW 7ACF ECF10 10W/W	3,12 mm/0.123"
3760905419	BIT HTW 7ACF ECF13 10W/W	3,12 mm/0.123"
3760905428	BIT HTW 7ACF ECF16 10W/W	3,12 mm/0.123"
3760905031	BIT HTW 11AC ECF10 10W/W	3,12 mm/0.123"

Part No.	Description/Application	Waterway width at ID
3760905422	BIT HTW 11AC ECF13 10W/W	3,12 mm/0.123"
3760905427	BIT HTW 11AC ECF16 10W/W	3,12 mm/0.123"
3760918537	BIT HTW 8-9 ECF13 10W/W	3,12 mm/0.123"
3760918697	BIT HTW 8-9 ECF16 10W/W	3,12 mm/0.123"
3760918538	BIT HTW 9 ECF13 10W/W	3,12 mm/0.123"
3760918698	BIT HTW 9 ECF16 10W/W	3,12 mm/0.123"
3760918539	BIT HTW 10 ECF13 10W/W	3,12 mm/0.123"
3760918699	BIT HTW 10 ECF16 10W/W	3,12 mm/0.123"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Wireline diamond impregnated core bits

PO (Double tube)

Part No.	Description/Application	Waterway width at ID
3760918543	BIT PO 4-6 ECF10 12W/W	3,99 mm/0.157"
3760918936	BIT PO 4-6 EXFD10 10W/W	11,0 mm/0.433"
3760904205	BIT PO 7AC ECF10 12W/W	3,99 mm/0.157"
3760919016	BIT PO 7AC EXFD10 10W/W	11,0 mm/0.433"
3760918545	BIT PO 6-8 ECF10 12W/W	3,99 mm/0.157"
3760917100	BIT PO 6-8 ECF13 12W/W	3,99 mm/0.157"
3760918938	BIT PO 6-8 EXFD10 10W/W	11,0 mm/0.433"
3760905759	BIT PO 6-8 TAPER10 12W/W	4,78 mm/0.188"
3760904015	BIT PO 7ACF ECF10 12W/W	3,99 mm/0.157"

Part No.	Description/Application	Waterway width at ID
3760917099	BIT PO 7ACF ECF13 12W/W	3,99 mm/0.157"
3760905758	BIT PO 7ACF TAPER10 12W/W	4,78 mm/0.188"
3760904202	BIT PO 11AC ECF10 12W/W	3,99 mm/0.157"
3760918547	BIT PO 8-9 ECF10 12W/W	3,99 mm/0.157"
3760918557	BIT PO 8-9 EXFD10 10W/W	11,0 mm/0.433"
3760918548	BIT PO 9 ECF10 12W/W	3,99 mm/0.157"
3760918940	BIT PO 9 EXFD10 10W/W	11,0 mm/0.433"
3760918549	BIT PO 10 ECF10 12W/W	3,99 mm/0.157"
3760918559	BIT PO 10 EXFD10 10W/W	11,0 mm/0.433"

PO3 (Triple tube)

Part No.	Description/Application	Waterway width at ID
3760918563	BIT PO3 4-6 ECF10 12W/W	3,99 mm/0.157"
3760918943	BIT PO3 4-6 EXFD10 10W/W	11,0 mm/0.433"
3760917427	BIT PO3 4-6 SAND13 10W/W	7,9 mm/0.311"
3760904563	BIT PO3 7AC ECF10 12W/W	3,99 mm/0.157"
3760919018	BIT PO3 7AC EXFD10 10W/W	11,0 mm/0.433"
3760917433	BIT PO3 7AC SAND13 10W/W	7,9 mm/0.311"
3760918565	BIT PO3 6-8 ECF10 12W/W	3,99 mm/0.157"
3760918945	BIT PO3 6-8 EXFD10 10W/W	11,0 mm/0.433"
3760917429	BIT PO3 6-8 SAND13 10W/W	7,9 mm/0.311"
3760904564	BIT PO3 7ACF ECF10 12W/W	3,99 mm/0.157"
3760904567	BIT PO3 11AC ECF10 12W/W	3,99 mm/0.157"

Part No.	Description/Application	Waterway width at ID
3760919017	BIT PO3 11AC EXFD10 10W/W	11,0 mm/0.433"
3760917434	BIT PO3 11AC SAND13 10W/W	7,9 mm/0.311"
3760917451	BIT PO3 11AC SAND16 10W/W	7,9 mm/0.311"
3760918567	BIT PO3 8-9 ECF10 12W/W	3,99 mm/0.157"
3760918946	BIT PO3 8-9 EXFD10 10W/W	11,0 mm/0.433"
3760917430	BIT PO3 8-9 SAND13 10W/W	7,9 mm/0.311"
3760918568	BIT PO3 9 ECF10 12W/W	3,99 mm/0.157"
3760918947	BIT PO3 9 EXFD10 10W/W	11,0 mm/0.433"
3760917431	BIT PO3 9 SAND13 10W/W	7,9 mm/0.311"
3760918569	BIT PO3 10 ECF10 12W/W	3,99 mm/0.157"
3760918941	BIT PO3 10 EXFD10 10W/W	11,0 mm/0.433"

POTT (Triple tube)

Part No.	Description/Application	Waterway width at ID
3760917700	BIT POTT 4-6 EXFD10 10W/W	11,0 mm/0.433"
3760919021	BIT POTT 7AC EXFD10 10W/W	11,0 mm/0.433"

Part No.	Description/Application	Waterway width at ID
3760919020	BIT POTT 11AC EXFD10 10W/W	11,0 mm/0.433"

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

Conventional diamond impregnated core bits

CONV

IEWS (Double tube conventional bit ID - 23,0 mm/OD - 37,3 mm)

Part No.	Description/Application
3760905673	BIT IEWS 7AC CF10 6WW
3760905749	BIT IEWS 11AC CF10 6WW
3701681710	BIT IEWS KSS++ CFF10 6WW

Part No.	Description/Application
3760918917	BIT IEWS 8-9 CFF10 6WW
3760918918	BIT IEWS 9 CFF10 6WW
3760918840	BIT IEWS 10 CF10 6WW

AW34 (Double tube conventional)

Part No.	Description/Application
3760919029	BIT AW34 6-8 CF10 8WW
3760903810	BIT AW34 7ACF CF10 8WW

Part No.	Description/Application
3760904716	BIT AW34 11AC CF10 8WW

46TT (Double tube conventional)

Part No.	Description/Application
3760918003	BIT 46TT 4-6 CFF10 8WW
3760918005	BIT 46TT 6-8 CFF10 8WW
8370230018	BIT 46TT KSS++CFF10 8WW

Part No.	Description/Application
3760918007	BIT 46TT 8-9 CFF10 8WW
3760918008	BIT 46TT 9 CFF10 8WW
3760918009	BIT 46TT 10 CFF10 8WW

48TT/LTK48 (Double tube conventional)

Part No.	Description/Application
3760918023	BIT 48TT/LTK48 4-6 CF13 8WW
3760918013	BIT 48TT/LTK48 4-6 CFF10 8WW
3760904569	BIT 48TT/LTK48 7AC CF10 8WW
3760904572	BIT 48TT/LTK48 7AC CF13 8WW
3760918025	BIT 48TT/LTK48 6-8 CF13 8WW
3760918015	BIT 48TT/LTK48 6-8 CFF10 8WW
3760903158	BIT 48TT/LTK48 7ACF CF10 8WW
3760904573	BIT 48TT/LTK48 7ACF CF13 8WW
3760903821	BIT 48TT/LTK48 11AC CF10 8WW

Part No.	Description/Application
3760904576	BIT 48TT/LTK48 11AC CF13 8WW
8370230019	BIT 48TT/LTK48 KSS++ CF10 8WW
3702622200	BIT 48TT/LTK48 KSS++ CFF10 8WW
3760918027	BIT 48TT/LTK48 8-9 CF13 8WW
3760918017	BIT 48TT/LTK48 8-9 CFF10 8WW
3760918028	BIT 48TT/LTK48 9 CF13 8WW
3760918018	BIT 48TT/LTK48 9 CFF10 8WW
3760918029	BIT 48TT/LTK48 10 CF13 8WW
3760918019	BIT 48TT/LTK48 10 CFF10 8WW

56TT (Double tube conventional)

Part No.	Description/Application
3760918033	BIT 56TT 4-6 CFF10 10WW
3760918035	BIT 56TT 6-8 CFF10 10WW
8370230020	BIT 56TT KSS++ CFF10 10WW

Part No.	Description/Application
3760918037	BIT 56TT 8-9 CFF10 10WW
3760918038	BIT 56TT 9 CFF10 10WW
3760918039	BIT 56TT 10 CFF10 10WW

Conventional diamond impregnated core bits

60TT/LTK60 (Double tube conventional)

Part No.	Description/Application
3760918043	BIT 60TT/LTK60 4-6 CF13 8WW
3760905322	BIT 60TT/LTK60 7AC CF13 8WW
3760918045	BIT 60TT/LTK60 6-8 CF13 8WW
3760903743	BIT 60TT/LTK60 11AC CF13 8WW

Part No.	Description/Application
3702632700	BIT 60TT/LTK60 KSS++ CF10 8WW
3760918047	BIT 60TT/LTK60 8-9 CF13 8WW
3760918048	BIT 60TT/LTK60 9 CF13 8WW
3760918049	BIT 60TT/LTK60 10 CF13 8WW

BX/BWG (Double tube conventional)

Part No.	Description/Application
3760919054	BIT BX/BWG 4-6 CF8 8WW

Part No.	Description/Application
3760919052	BIT BX/BWG 7AC CF8 8WW

TBW (Double tube thin wall conventional)

Part No.	Description/Application
3760905754	BIT TBW 7ACF CF6 8WW
3760905747	BIT TBW 11AC CF6 8WW

Part No.	Description/Application
3760918860	BIT TBW 9 CF6 8WW
3760917108	BIT TBW 10 CF6 8WW

TNW (Double tube thin wall conventional)

Part No.	Description/Application
3760905529	BIT TNW 7AC CF6 8WW
3760901244	BIT TNW 7SA CF6 8WW
3760905748	BIT TNW 11AC CF6 8WW

Part No.	Description/Application
3760918861	BIT TNW 9 CF6 8WW
3760918897	BIT TNW 10 CF10 8WW

Application 1 (green)
Soft to medium hard, abrasive and fractured to competent formations.

Application 2 (blue)
Medium to hard, slightly abrasive, slightly fractured to competent formations.

Application 3 (red)
Hard to extremely hard, competent formations.

This unit		Times	Equals
Length			
mm (millimetres)	x	0.001	=m
cm (centimetres)	x	0.01	=m
dm (decimetres)	x	0.1	=m
km (kilometres)	x	1000	=m
in (inches)	x	25.4	=m
ft (feet)	x	0.305	=m
yd (yard)	x	0.914	=m
miles	x	1609	=m

This unit		Times	Equals
Power			
kW (kilowatts)	x	1000	= W
Horsepower (metric)	x	735.5	= W
Horsepower (UK)	x	745.7	= W
ft.lbf/sec	x	1.36	= W
Btu/h	x	0.29	= W

This unit		Times	Equals
Volume			
l (litres)	x	0.001	= m ³
ml (millilitres)	x	0.001	= l
dm ³ (cubic desimetres)	x	1.0	= l
cm ³ (cubic centimetres)	x	1.0	= ml
mm ³ (cubic millimetres)	x	0.001	= ml
in ³ (cubic inches)	x	16.39	= ml
ft ³ (cubic feet)	x	28.316	= l
Imperial gallon	x	4.546	= l
U.S gallon	x	3.785	= l
Ounces (Imp. fluid liq.)	x	28.41	= ml
Ounces (US liq.)	x	29.57	= ml
Pints (US liq.)	x	0.4732	= l
Quarts (US liq.)	x	0.9463	= l
yd ³ (cubic yards)	x	0.7646	= m ³

This unit		Times	Equals
Area			
mm ² (square mm)	x	0.000001	= m ²
cm ² (square cm)	x	0.00001	= m ²
in ² (square inch)	x	645	= mm ²
ft ² (square feet)	x	0.929	= m ²
yd ² (square yard)	x	0.8361	= m ²
Acres	x	4047	= m ²
Square miles	x	2.590	= km ²

This unit		Times	Equals
Mass (Weight)			
g (grammes)	x	0.001	= kg
t (tonnes, metric)	x	1000	= kg
grains	x	0.0648	= kg
oz (ounzes)	x	28,35	= g
lb (pounds)	x	0,4536	= g
tons (long,US)	x	1016	= kg
tons (UK)	x	1016	= kg
tons (short)	x	907	= kg

This unit		Times	Equals
Speed			
km/h (kilometers/hour)	x	0,2777	= m/s
m/s	x	3,6	= km/h
mph (miles/hour)	x	0,45	= m/s
ft/s (foot/second)	x	0,3048	= m/s
ft/s (foot/second)	x	18,29	= ft/min
ft/min (foot/minute)	x	0,3048	= m/min

This unit		Times	Equals
Frequency			
blows/minute	x	0,017	= Hz
khz (kiloHertz)	x	1000	= Hz
r/min (rev./minute)	x	0,1667	= r/s
degrees/seconds	x	0,1667	= r/min
radians/second	x	0,1592	= r/s

This unit		Times	Equals
Pressure			
bar	x	100	= kPa
bar	x	100 000	= Pa
kp/cm ²	x	0.98	= bar
atm (atmospheres)	x	1.01	= bar
psi (pounds/in ²)	x	6,895	=kPa
psi	x	0,06895	= bar

This unit		Times	Equals
Force			
kN (kilonewton)	x	1000	N
kp (kilopond)	x	9,81	N
kgf (kilogramme force)	x	4,45	N

This unit		Times	Equals
Torque			
kpm (kilopondmetres)	x	9,81	Nm
lbf/in (pondforce/inch)	x	0,11	Nm
lbf/ft (poundforce/foot)	x	1,36	Nm



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