



优钻地质材料供应有限公司
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DIAMOND / TUNGSTEN CARBIDE
CORE BIT AND REAMER

Diamond Core Bit



Surface Set Step Type

Reamer



RIB Surface Set

Tungsten Carbide Core Bit



2 Steps Profile (Arrow Tips)



Semi-Round-Crow (SRC)



Neo Tungsten



Saw Tooth Profile (Hex Tips)



Impregnated



Impregnated



Flat Face Profile (Square Tips)



BSI, CDDA, DCDMA and WIRELINE STANDARD CORE BITS and REAMERS

Core Barrel Type	Core Bits				Reaming Shells	
	O.D.	O.D.	I.D.	I.D.	O.D.	O.D.
	mm	inch	mm	inch	mm	inch
XRT (RWG)	29.3	1.150	18.7	0.740	29.8	1.175
EX, EWL, EWM	37.3	1.470	21.5	0.845	37.7	1.485
EXT	37.3	1.470	23.0	0.905	37.7	1.485
AMLC	47.6	1.875	27.0	1.062	48.0	1.890
AQ	47.6	1.875	27.0	1.062	48.0	1.890
AX, AWL, AWM	47.6	1.875	30.1	1.185	48.0	1.890
AXT	47.6	1.875	32.5	1.281	48.0	1.890
BMLC	59.6	2.345	35.2	1.390	59.9	2.360
BQ	59.6	2.345	36.4	1.433	59.9	2.360
BQ-3	59.6	2.345	33.5	1.320	59.9	2.360
TBW	59.6	2.345	45.2	1.778	59.9	2.360
BX B/W (BWG)	59.6	2.345	42.0	1.655	59.9	2.360
BWL, BWM	59.6	2.345	42.0	1.655	59.9	2.360
BY	59.6	2.345	40.0	1.575	59.9	2.360
NMLC	75.3	2.965	51.2	2.045	75.7	2.980
NQ	75.3	2.965	47.6	1.875	75.7	2.980
NQ-3	75.3	2.965	45.1	1.775	75.7	2.980
NX B/W (NWG)	75.3	2.965	54.7	2.155	75.7	2.980
NWL NWM	75.3	2.965	54.7	2.155	75.7	2.980
HMLC	98.4	3.875	63.5	2.500	98.4	3.906
HQ	95.6	3.762	63.5	2.500	96.1	3.783
HQ-3	95.6	3.762	61.1	2.405	96.1	3.783
HWF, HWG	95.6	3.762	76.2	3.000	96.1	3.783
PQ	122.1	4.805	85.0	3.345	122.6	4.827
PQ-3	122.1	4.805	83.0	3.270	122.6	4.827
NQ-3PM (Wireline Triple Tube)	75.5	2.972	50.8	2.000	76.5	3.012

DIAMOND BIT SELECTION CHART

SERIES	MATRIX	GROUND CONDITIONS	TYPICAL ROCK TYPES
SERIES 2	EXTRA HARD	HIGHLY ABRASIVE FRACTURED BROKEN FORMATION	MEDIUM HARD LIMESTONE SHALE
SERIES 4	MEDIUM HARD	ABRASIVE GROUND MEDIUM TO COARSE GRAIN	SOFT, SCHIST, SANDY LIMESTONE GRAVEL, HIGHLY DECOMPOSITED
SERIES 6	MODERATELY HARD	MODERATELY HARD, FINE TO MEDIUM GRAINED SOLID, SLIGHTLY ABRASIVE FORMATION	QUARTZ, GABBROS HARD SHALE, ALLUVIAL DEPOSITS NORITES, GRANITES ANDESITE
SERIES 7	MEDIUM HARD	HARD TO MEDIUM FORMATION SLIGHTLY ABRASIVE FORMATION	HARD SCHIST MARBLE
SERIES 8	MEDIUM	HARD TO MEDIUM FORMATION	GRANITE
SERIES 9	MEDIUM TOUGH	HARD SLIGHTLY ABRASIVE FORMATIONS	GRANITE CHERT
SERIES 10	MEDIUM SOFT	HARD TO VERY HARD, MEDIUM TO FINE GRAINED SOLID TO SLIGHTLY ABRASIVE	QUARTZ, CHERT, JASPER BASALT
SERIES 12	SOFT	VERY HARD FORMATION MEDIUM TO FINE GRAINED SOLID SLIGHTLY ABRASIVE	SILICIFIED FINE GRAINED CHERT GLASSY QUARTZITE RHYOLITE, GABBRO
SERIES 14	EXTRA SOFT	EXTREMELY HARD VERY FINE GRAINED SOLID NON ABRASIVE	CONGLOMERATE, TACONITE ABRASIVE QUARTIZE
SERIES 15	EXTREMELY SOFT	ULTRA HARD ROCK	ROCK WITH PYRITE BANDED HEMATITE