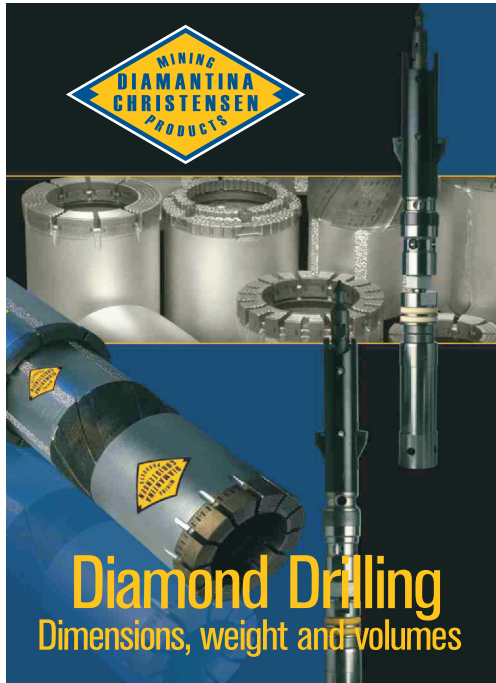


# 700 unidades



### WIRESLINE

SIZE	DIAMOND CORE BIT			REAMING SHELL		
	OD (Inches)	ID (Inches)	OD (mm)	ID (mm)	OD (Inches)	OD (mm)
AQ	1,875	1,062	47,625	26,975	1,890	48,006
AQTK	1,875	1,201	47,625	30,505	1,890	48,006
BQ	2,345	1,433	59,563	36,398	2,360	59,944
BQ3	2,345	1,320	59,563	33,528	2,360	59,944
BQ (oversize)	2,440	1,433	61,976	36,398	2,440	61,976
BQTK	2,345	1,601	59,563	40,665	2,360	59,944
BTW	2,345	1,654	59,563	42,012	2,360	59,944
BXB	2,360	1,433	59,944	36,398	2,360	59,944
NQ	2,965	1,875	75,311	47,625	2,980	75,692
NQ2	2,965	1,995	75,311	50,673	2,980	75,692
NQ3	2,965	1,775	75,311	45,085	2,980	75,692
NQ (oversize)	3,032	1,875	77,013	47,625	3,032	77,013
NTW	2,965	2,209	75,311	56,109	2,980	75,692
NXB	2,980	1,875	75,692	47,625	2,980	75,692
NXB (oversize)	3,032	1,875	77,013	47,625	3,032	77,013
HQ	3,763	2,500	95,580	63,500	3,783	96,088
HQ3	3,763	2,406	95,580	61,112	3,783	96,088
HQ (oversize)	3,830	2,500	97,282	63,500	3,850	97,790
HXB	3,650	2,400	92,710	60,960	3,650	92,710
HXB (oversize)	3,750	2,400	95,250	60,960	3,750	95,250
PQ	4,805	3,345	122,047	84,963	4,828	122,631
PQ3	4,805	3,270	122,047	83,058	4,828	122,631

### STANDARD

SIZE	DIAMOND CORE BIT			REAMING SHELL		
	OD(Inches)	ID(Inches)	OD(mm)	ID (mm)	OD(Inches)	OD(mm)
RWT (XRT)	1,175	0,735	29,845	18,869	1,175	29,845
XRPS	1,295	0,890	32,893	22,606	1,295	32,893
EWG, EVL, EWM	1,470	0,945	37,338	21,463	1,485	37,719
EW	1,470	0,955	37,338	25,273	1,485	37,719
TT46, LTK46	1,811	1,389	45,999	35,281	1,823	46,304
AWG, AWL, AWM	1,875	1,185	47,625	30,099	1,890	48,006
LTK46, LTK48	1,875	1,389	47,625	35,281	1,890	48,006
56.5 mm	2,224	1,535	56,490	38,989	2,240	56,896
BWG, BWL, BWM	2,345	1,655	59,563	42,037	2,360	59,944
NWG, NWL, NWM	2,965	2,155	75,311	54,737	2,980	75,692

### SERIES SELECTION TABLE

ROCK PROPERTIES	ROCK CHARACTERISTICS		EXAMPLES	SERIES	DESCRIPTION
	COMPACT NO ABRASIVE HARD	FRACTURED ABRASIVE SOFT			
Extremely abrasive, coarse grain size, soft to very hard highly fractured, lulls and shales			Limestone, sandstone, conglomerate	2A	VERY HARD / FRACTURED TERNAM
Soft medium, abrasive, medium to coarse grain size, fractures and crushed			Sandstone, dolomite, schists, serpentine, shales, lulls	3	VERY ABRASIVE / FRACTURED TERNAM
Medium hardness, abrasive, medium to coarse grain size, fractured			Gabbro, andesite, basalt	4A	STANDARD
Medium to hard, moderately abrasive, medium grain size, fractured			Porphyry, Gabbro, microcrystalline, andesite	7F	VERY ABRASIVE / FRACTURED TERNAM
Hard and compact formation, fine to medium grain size, sand, low abrasiveness			Pochoyry, granite, gneiss, gneiss	8	STANDARD
Very hard and compact formation, fine grain size			Dioptase, leucosite, quartz, granite	90	STANDARD
Extremely hard and compact formation, very fine grain			Chert, mylonite, quartz, feldspate, ironstone	11	STANDARD

### DRILL ROD AND CASING

Size	WIRESLINE			Weight (Kg/3m)	Weight (lb/10ft)	Volumen (US Gal/100 ft.)
	O.D. (Inches)	I.D. (Inches)	O.D. (mm)			
A WL	1,75	1,38	44,5	34,9	14	7,7
B WL	2,19	1,81	55,6	46,0	18	13,0
N WL	2,75	2,38	69,9	60,3	23	52
H WL	3,50	3,06	88,9	77,8	34	77
P WL	4,63	4,06	117,5	103,2	47	106

### STANDARD

Size	WIRESLINE			Weight (Kg/3m)	Weight (lb/10ft)	Volumen (US Gal/100 ft.)
	O.D. (Inches)	I.D. (Inches)	O.D. (mm)			
RW	1,09	0,72	27,8	18,3	9	2,1
EW	1,38	0,88	34,9	22,2	14	3,1
AW	1,75	1,25	44,5	31,8	19	4,2
BW	2,13	1,50	54,0	38,1	28	6,3
NW	2,63	2,00	66,7	50,8	36	8,0
HW	3,50	3,06	88,9	77,8	37	83
AWJ	1,75	1,38	44,5	35,1	15	3,4
BWJ	2,19	1,81	55,6	46,0	20	4,5
NWJ	2,75	2,38	69,9	60,5	26	5,8

### CASING

Size	WIRESLINE			Weight (Kg/3m)	Weight (lb/10ft)	Volumen (US Gal/100 ft.)
	O.D. (Inches)	I.D. (Inches)	O.D. (mm)			
RW	1,44	1,19	36,5	30,2	8	1,8
EW	1,81	1,50	46,0	38,1	13	2,8
AW	2,25	1,91	57,2	48,4	17	3,8
BW	2,88	2,38	73,0	60,3	32	7,2
NW	3,50	3,06	88,9	78,2	38	8,6
AX4R	2,25	1,91	57,2	48,5	17	3,8
BX4R	2,88	2,47	73,2	62,7	27	6,0
NX4R	3,50	3,06	88,9	77,7	34	7,6
HW	4,50	4,00	114,3	101,6	51	11,3
HWT	4,50	4,00	114,3	101,6	51	11,4
PW	5,50	5,00	139,7	127,0	64	14,3
SW	6,63	6,00	168,4	152,4	96	21,5
UW	7,63	7,00	193,8	177,8	131	29,3

### OPERATIONAL PARAMETERS

BIT SIZE	FLUID FLOW	BIT WEIGHT	ROTATION SPEED		PENETRATION RATE INDEX (mm/min)	
			RPM	RPM	250 RPI	200 RPI
TT-46	2.5 - 3.5 Gal/Min	1,000 - 3,000 Lb	2,300	11,5	9,2	5,6
			1,400	7	5,6	4
AQ	4 - 5	2,000 - 5,000	2,000	10	8	3,4
			850	4,25	4,8	3,4
BQ	6 - 8	2,000 - 5,000	1,700	8,5	6,8	2,8
			1,000	5	4	2,8
NQ	8 - 10	3,000 - 6,000	1,350	6,75	5,4	2,2
			800	4	3,2	2,2
HQ	10 - 12	4,000 - 8,000	1,000	5	4	1,6
			400	2	2,4	1,6
PQ	18 - 23	5,000 - 10,000	800	4	3,2	1,4
			350	1,75	2	1,4

### CASING BITS & CASING SHOES

SIZE	BIT & SHOE		BIT		SHOE	
	OD (Inches)	OD (mm)	ID (Inches)	ID (mm)	ID (Inches)	ID (mm)
RW	1,470	37,338	1,000	25,400	1,186	30,124
EW	1,875	47,625	1,405	35,687	1,500	38,100
AW / AX4R	2,345	59,563	1,780	45,212	1,905	48,387
BW / NQ / NTW	2,965	75,311	2,215	56,261	2,375	60,325
NW / HQ / HX / HXB	3,615	91,821	2,840	72,136	3,000	76,200
HW / HWT (antiguo)	4,625	117,475	3,778	95,961	3,975	100,965
HW / HWT (standard)	4,625	117,475	3,778	95,961	3,925	99,695
HW / HWT (oversize)	4,875	123,825	3,778	95,961	3,900	99,060
PW	5,650	143,510	4,632	117,653	4,868	123,393
SW	6,790	172,466	5,632	143,053	5,941	150,901
UW	7,800	198,120	6,755	171,577	6,906	175,412
ZW	8,810	223,774	7,755	196,977	7,977	202,616

### CONVERSION TABLE

Inches	x	25,400	=	Millimeters
Feet	x	0,305	=	Meters
Cubic inches	x	16,387	=	Cubic Centimeters
Cubic feet	x	0,028	=	Cubic Meters
Pounds	x	0,454	=	Kilograms
Gallons (U.S.)	x	0,833	=	Imperial Gallons
Gallons (U.S.)	x	3,785	=	Liters
PSI	x	0,070	=	Kilograms per sq. cm
GPM (U.S.)	x	3,785	=	Liters per minute

### DECIMAL EQUIVALENTS

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	0,02	0,4	33/64	0,5156	13,097
1/32	0,03	0,79	17/32	0,5312	13,484
3/64	0,05	1,19	35/64	0,5469	13,891
1/16	0,06	1,59	9/16	0,5625	14,287
5/64	0,08	1,98	37/64	0,5781	14,684
3/32	0,09	2,38	19/32	0,5937	15,081
7/64	0,11	2,78	39/64	0,6094	15,478
1/8	0,1250	3,18	5/8	0,6250	15,875
9/64	0,14	3,57	41/64	0,6406	16,272
5/32	0,16	3,97	21/32	0,6562	16,669
11/64	0,17	4,37	43/64	0,6719	17,066
3/16	0,19	4,76	11/16	0,6875	17,462
13/64	0,2	5,16	45/64	0,7031	17,859
7/32	0,22	5,56	23/32	0,7187	18,256
15/64	0,23	5,95	47/64	0,7344	18,653
1/4	0,2500	6,350	3/4	0,7500	19,050
17/64	0,27	6,75	49/64	0,7656	19,447
9/32	0,28	7,14	25/32	0,7812	19,844
19/64	0,3	7,54	51/64	0,7969	20,241
5/16	0,31	7,94	13/16	0,8125	20,637
21/64	0,33	8,33	53/64	0,8281	21,034
11/32	0,34	8,73	27/32	0,8437	21,431
23/64	0,36	9,13	55/64	0,8594	21,828
3/8	0,3750	9,53	7/8	0,8750	22,225
25/64	0,39	9,92	57/64	0,8906	22,622
13/32	0,41	10,32	29/32	0,9062	23,019
27/64	0,42	10,72	59/64	0,9219	23,416
7/16	0,44	11,11	15/16	0,9375	23,812
29/64	0,45	11,51	61/64	0,9531	24,209
15/32	0,47	11,91	31/32	0,9687	24,606
31/64	0,48	12,3	63/64	0,9844	25,003
1/2	0,5000	12,700	1	1,0000	25,400

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