Table 3-2
Nominal Dimensions for Casing and Accessories (after Diamond Core Drill Manufacturers Association, Inc. 1991) (Continued)

Size Designation	Drill Rod O.D. mm	Drill Rod I.D. mm	Rod Coupling I.D. mm	Flush Coupled Casing[1] O.D. mm	Flush Coupled Casing[1] I.D. mm	Flush Coupled Coupling I.D. mm	Flush Joint Casing[1] O.D. mm	Flush Joint Casing[1] I.D. mm	Casing Bit O.D. mm	Casing Bit I.D. mm	Casing Shoe Bit O.D. mm	Casing Shoe Bit I.D. mm	Core Bit O.D. mm	Core Barrel O.D. mm	Core Diameter O.D. mm
E[2,3]	33.3	22.2	11.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
A[2,3]	41.3	28.6	14.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
B[2,3]	47.6	31.7	15.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
N[2,4]	60.3	50.8	25.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RX	-----	-----	-----	36.5	30.2	30.5	-----	-----	37.7	25.4	37.7	30.1	-----	-----	-----
EX	-----	-----	-----	46.0	41.3	38.1	-----	-----	47.6	35.7	47.6	38.0	-----	-----	-----
AX	-----	-----	-----	57.2	50.8	48.4	-----	-----	59.6	45.2	59.6	48.3	-----	-----	-----
BX	-----	-----	-----	73.0	65.1	60.3	-----	-----	75.3	56.3	75.3	60.2	-----	-----	-----
NX	-----	-----	-----	88.9	81.0	76.2	-----	-----	91.8	72.1	91.8	76.0	-----	-----	-----
HX	-----	-----	-----	114.3	104.8	100.0	-----	-----	117.4	95.9	117.5	99.7	-----	-----	-----
RW[3]	27.8	18.3	10.3	-----	-----	-----	36.5	30.5	37.7	25.4	37.7	30.1	-----	-----	-----
EW[3]	34.9	25.4	11.1	-----	-----	-----	46.0	38.1	47.6	35.7	47.6	38.0	-----	-----	-----
AW[3]	44.5	34.9	15.9	-----	-----	-----	57.2	48.4	59.6	45.2	59.6	48.3	-----	-----	-----
BW[4]	54.0	44.5	19.1	-----	-----	-----	73.0	60.3	75.3	56.3	75.3	60.2	-----	-----	-----
NW[4]	66.7	57.2	34.9	-----	-----	-----	88.9	76.2	91.8	72.1	91.8	76.0	-----	-----	-----
HW[4]	88.9	77.8	60.3	-----	-----	-----	114.3	100.0	117.5	96.0	117.5	101.0	-----	-----	-----
PW	-----	-----	-----	-----	-----	-----	139.7	127.0	143.5	117.7	143.5	123.2	-----	-----	-----
SW	-----	-----	-----	-----	-----	-----	168.3	152.4	172.5	143.1	172.5	150.8	-----	-----	-----
UW	-----	-----	-----	-----	-----	-----	193.7	177.8	198.1	171.6	198.1	175.4	-----	-----	-----
ZW	-----	-----	-----	-----	-----	-----	219.1	203.2	223.9	197.0	223.9	202.6	-----	-----	-----
EWG	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	37.3	36.5	21.4
AWG	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	47.6	46.0	30.0
BWG	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	59.5	57.9	42.0
NWG	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	75.3	73.8	54.7
HWG	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	98.8	95.2	76.2
EWM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	37.3	36.5	21.4
AWM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	47.6	46.0	30.0
BWM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	59.5	57.9	42.0
NWM	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	75.3	73.8	54.7

[1] For casing, the minimum physical strength characteristics are 450 MPa (65,000 psi) yield stress and 550 MPa (80,000 psi) tensile stress.
[2] Old standard, but still in use on some projects.
[3] Parallel wall rod. The minimum physical strength characteristics are 450 MPa (65,000 psi) yield stress and 550 MPa (80,000 psi) tensile stress.
[4] Upset end drill rod. The minimum physical strength characteristics are 275 MPa (40,000 psi) yield stress and 415 MPa (60,000 psi) tensile stress.

Table 3-2
(Concluded)

Size Designation	Drill Rod O.D. mm	Drill Rod I.D. mm	Rod Coupling I.D. mm	Flush Coupled Casing[1] O.D. mm	Flush Coupled Casing[1] I.D. mm	Flush Coupled Coupling I.D. mm	Flush Joint Casing[1] O.D. mm	Flush Joint Casing[1] I.D. mm	Casing Bit O.D. mm	Casing Bit I.D. mm	Casing Shoe Bit O.D. mm	Casing Shoe Bit I.D. mm	Core Bit O.D. mm	Core Barrel O.D. mm	Core Diameter O.D. mm
RWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	29.4	28.5	18.6
EWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	37.3	36.5	22.9
AWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	47.6	46.8	32.5
BWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	59.5	58.7	44.4
NWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	75.3	73.8	58.7
HWT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	98.8	96.8	80.9
2-3/4 X 3-7/8[5]	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	97.5	92.0	68.3
4 X 5-1/2[5]	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	138.0	133.3	100.8
6 X 7-3/4[5]	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	194.4	184.1	151.6
AQ[6]	44.5	34.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	48.0	27.0
BQ[6]	55.6	46.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.0	36.5
NQ[6]	69.9	60.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	75.7	47.6
HQ[6]	88.9	77.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	96.0	63.5

[5] Large design core barrels; 69.9 mm by 98.4 mm, 101.6 mm by 139.7 mm, 152.4 mm by 196.9 mm, respectively.
[6] Wire line size designation (after Longyear 1981). Drill rod serves as casing and drill rod. Core bits and core diameters vary slightly according to the manufacturer.