

Annular Volume Between Drill Pipe and Open Hole or Casing

DRILL PIPE SIZE O.D. (mm)	HOLE or CASING SIZE (mm)	ANNULAR VOLUME (m ³ /metre)
60.3 (2 3/8")	89	0.0033
	95	0.0042
	102	0.0052
	105	0.0057
	114	0.0074
73.0 (2 7/8")	105	0.0044
	114	0.0060
	117	0.0066
	121	0.0072
	127	0.0085
	140	0.0112
	149	0.0133
88.9 (3 1/2")	127	0.0064
	140	0.0091
	146	0.0105
	152	0.0120
	159	0.0136
	165	0.0152
	175	0.0177
	178	0.0186
	200	0.0252
101.6 (4")	140	0.0071
	146	0.0086
	149	0.0093
	159	0.0117
	165	0.0113
	175	0.0159
	178	0.0167
	187	0.0195
	200	0.0233
	203	0.0243
	222	0.0252

Annular Volume Between Drill Pipe and Open Hole or Casing

DRILL PIPE SIZE O.D. (mm)	HOLE or CASING SIZE (mm)	ANNULAR VOLUME (m³/metre)
114.3 (4 ½")	200	0.0212
	210	0.0243
	213	0.0253
	216	0.0261
	219	0.0274
	222	0.0285
	235	0.0319
	241	0.0355
	244	0.0367
	248	0.0379
	267	0.0456
	311	0.0658
	375	0.1000
127.0 (5")	381	0.1038
	200	0.0188
	210	0.0218
	213	0.0229
	216	0.0239
	219	0.0250
	222	0.0261
	235	0.0307
	241	0.0331
	244	0.0343
	248	0.0355
	267	0.0432
	311	0.0634
375	0.0976	
139.7 (5 ½")	381	0.1014
	222	0.0235
	235	0.0280
	248	0.0329
	267	0.0405
	311	0.0607
375	0.0949	
381	0.0987	