

Annular Volume Between Drill Collars and Open Hole or Casing

DRILL COLLAR SIZE O.D. (mm)	HOLE or CASING SIZE (mm)	ANNULAR VOLUME (m ³ /metre)
114.0 (4 ½")	127	0.0024
	140	0.0050
	149	0.0072
	152	0.0079
	165	0.0112
121.0 (4 ¾")	140	0.0039
	149	0.0060
	152	0.0068
	159	0.0083
	165	0.0099
	175	0.0125
127.0 (5")	178	0.0134
	149	0.0048
	152	0.0055
	156	0.0063
	159	0.0071
	165	0.0087
	171	0.0104
194	0.0168	
140.0 (5 ½")	200	0.0188
	165	0.0061
	171	0.0077
	194	0.0141
	200	0.0161
	213	0.0202
	216	0.0213
	222	0.0235
	241	0.0304
251	0.0341	
146.0 (5 ¾")	165	0.0046
	171	0.0063
	194	0.0127
	200	0.0147
	213	0.0188
	216	0.0199
	222	0.0221
	241	0.0290
	0.0327	

Annular Volume Between Drill Collars and Open Hole or Casing

DRILL COLLAR SIZE O.D. (mm)	HOLE or CASING SIZE (mm)	ANNULAR VOLUME (m³/metre)
152.0 (6")	171	0.0048
	194	0.0112
	200	0.0132
	213	0.0173
	216	0.0184
	222	0.0206
	241	0.0275
	251	0.0312
171.0 (6 ¾")	200	0.0083
	216	0.0135
	222	0.0230
	311	0.0529
178.0 (7")	200	0.0065
	213	0.0107
	216	0.0118
	222	0.0140
	241	0.0209
	251	0.0246
	270	0.0324
	279	0.0365
	311	0.0512
	375	0.0854
	381	0.0892
197.0 (7 ¾")	222	0.0083
	241	0.0153
	251	0.0190
	270	0.0268
	279	0.0309
	311	0.0456
229.0 (9")	368	0.0761
	322	0.0350
	438	0.1097