

Forestry Commission Booklet No. 26

METRIC VOLUME
READY
RECKONER
for Round Timber



LONDON: HER MAJESTY'S STATIONERY OFFICE

Price 7s 0d [35p] net



METRIC VOLUME READY RECKONER FOR ROUND TIMBER

1. These tables are the metric equivalent of the old established Hoppus tables and are used in exactly the same way. Mid diameters in centimetres are used instead of mid quarter girth in inches, lengths are expressed in metres rather than in feet, and volumes are given in cubic metres.

2. **Lengths** (measured from the butt end) will be rounded down to the nearest 0.1 m for lengths up to 10 m and rounded down to the nearest whole metre for lengths greater than 10 m. The lengths in the tables are tabulated from 1.0 m to 10 m. For lengths greater than 10 m the decimal point in the lengths and volumes is moved one place to the right. For example, for a mid diameter of 20 cm, in place of 1.1 m length and a volume of 0.035 cubic metres, read 11 m and 0.35 cubic metres, and so on.

3. **Diameters**, taken at the mid point of the rounded down length will usually be measured with girthing tapes calibrated in centimetres diameter, and will be rounded down to the nearest whole centimetre. (Rounding down will be achieved automatically with classifying tapes of the type used by the Forestry Commission). The minimum top diameter for volume measurement is 7 cm over-bark.

4. **Volumes**, expressed in true cubic metres, include bark if the mid diameter is measured over-bark, and exclude bark if the mid diameter is measured under-bark.

MENSURATION SECTION
MANAGEMENT SERVICES DIVISION
FORESTRY COMMISSION
February 1970

25 Savile Row
London W1X 2AY

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
7	8		9	10
0.004	0.005	1.0	0.006	0.008
0.004	0.006	1.1	0.007	0.009
0.005	0.006	1.2	0.008	0.009
0.005	0.007	1.3	0.008	0.010
0.005	0.007	1.4	0.009	0.011
0.006	0.008	1.5	0.010	0.012
0.006	0.008	1.6	0.010	0.013
0.007	0.009	1.7	0.011	0.013
0.007	0.009	1.8	0.011	0.014
0.007	0.010	1.9	0.012	0.015
0.008	0.010	2.0	0.013	0.016
0.008	0.011	2.1	0.013	0.016
0.008	0.011	2.2	0.014	0.017
0.009	0.012	2.3	0.015	0.018
0.009	0.012	2.4	0.015	0.019
0.010	0.013	2.5	0.016	0.020
0.010	0.013	2.6	0.017	0.020
0.010	0.014	2.7	0.017	0.021
0.011	0.014	2.8	0.018	0.022
0.011	0.015	2.9	0.018	0.023
0.012	0.015	3.0	0.019	0.024
0.012	0.016	3.1	0.020	0.024
0.012	0.016	3.2	0.020	0.025
0.013	0.017	3.3	0.021	0.026
0.013	0.017	3.4	0.022	0.027
0.013	0.018	3.5	0.022	0.027
0.014	0.018	3.6	0.023	0.028
0.014	0.019	3.7	0.024	0.029
0.015	0.019	3.8	0.024	0.030
0.015	0.020	3.9	0.025	0.031
0.015	0.020	4.0	0.025	0.031
0.016	0.021	4.1	0.026	0.032
0.016	0.021	4.2	0.027	0.033
0.017	0.022	4.3	0.027	0.034
0.017	0.022	4.4	0.028	0.035
0.017	0.023	4.5	0.029	0.035
0.018	0.023	4.6	0.029	0.036
0.018	0.024	4.7	0.030	0.037
0.018	0.024	4.8	0.031	0.038
0.019	0.025	4.9	0.031	0.038
0.019	0.025	5.0	0.032	0.039
0.020	0.026	5.1	0.032	0.040
0.020	0.026	5.2	0.033	0.041
0.020	0.027	5.3	0.034	0.042
0.021	0.027	5.4	0.034	0.042

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
7	8		9	10
0.021	0.028	5.5	0.035	0.043
0.022	0.028	5.6	0.036	0.044
0.022	0.029	5.7	0.036	0.045
0.022	0.029	5.8	0.037	0.046
0.023	0.030	5.9	0.038	0.046
0.023	0.030	6.0	0.038	0.047
0.023	0.031	6.1	0.039	0.048
0.024	0.031	6.2	0.039	0.049
0.024	0.032	6.3	0.040	0.049
0.025	0.032	6.4	0.041	0.050
0.025	0.033	6.5	0.041	0.051
0.025	0.033	6.6	0.042	0.052
0.026	0.034	6.7	0.043	0.053
0.026	0.034	6.8	0.043	0.053
0.027	0.035	6.9	0.044	0.054
0.027	0.035	7.0	0.045	0.055
0.027	0.036	7.1	0.045	0.056
0.028	0.036	7.2	0.046	0.057
0.028	0.037	7.3	0.046	0.057
0.028	0.037	7.4	0.047	0.058
0.029	0.038	7.5	0.048	0.059
0.029	0.038	7.6	0.048	0.060
0.030	0.039	7.7	0.049	0.060
0.030	0.039	7.8	0.050	0.061
0.030	0.040	7.9	0.050	0.062
0.031	0.040	8.0	0.051	0.063
0.031	0.041	8.1	0.052	0.064
0.032	0.041	8.2	0.052	0.064
0.032	0.042	8.3	0.053	0.065
0.032	0.042	8.4	0.053	0.066
0.033	0.043	8.5	0.054	0.067
0.033	0.043	8.6	0.055	0.068
0.033	0.044	8.7	0.055	0.068
0.034	0.044	8.8	0.056	0.069
0.034	0.045	8.9	0.057	0.070
0.035	0.045	9.0	0.057	0.071
0.035	0.046	9.1	0.058	0.071
0.035	0.046	9.2	0.059	0.072
0.036	0.047	9.3	0.059	0.073
0.036	0.047	9.4	0.060	0.074
0.037	0.048	9.5	0.060	0.075
0.037	0.048	9.6	0.061	0.075
0.037	0.049	9.7	0.062	0.076
0.038	0.049	9.8	0.062	0.077
0.038	0.050	9.9	0.063	0.078
0.038	0.050	10.0	0.064	0.079

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
1 1	1 2		1 3	1 4
0.010	0.011	1.0	0.013	0.015
0.010	0.012	1.1	0.015	0.017
0.011	0.014	1.2	0.016	0.018
0.012	0.015	1.3	0.017	0.020
0.013	0.016	1.4	0.019	0.022
0.014	0.017	1.5	0.020	0.023
0.015	0.018	1.6	0.021	0.025
0.016	0.019	1.7	0.023	0.026
0.017	0.020	1.8	0.024	0.028
0.018	0.021	1.9	0.025	0.029
0.019	0.023	2.0	0.027	0.031
0.020	0.024	2.1	0.028	0.032
0.021	0.025	2.2	0.029	0.034
0.022	0.026	2.3	0.031	0.035
0.023	0.027	2.4	0.032	0.037
0.024	0.028	2.5	0.033	0.038
0.025	0.029	2.6	0.035	0.040
0.026	0.031	2.7	0.036	0.042
0.027	0.032	2.8	0.037	0.043
0.028	0.033	2.9	0.038	0.045
0.029	0.034	3.0	0.040	0.046
0.029	0.035	3.1	0.041	0.048
0.030	0.036	3.2	0.042	0.049
0.031	0.037	3.3	0.044	0.051
0.032	0.038	3.4	0.045	0.052
0.033	0.040	3.5	0.046	0.054
0.034	0.041	3.6	0.048	0.055
0.035	0.042	3.7	0.049	0.057
0.036	0.043	3.8	0.050	0.058
0.037	0.044	3.9	0.052	0.060
0.038	0.045	4.0	0.053	0.062
0.039	0.046	4.1	0.054	0.063
0.040	0.048	4.2	0.056	0.065
0.041	0.049	4.3	0.057	0.066
0.042	0.050	4.4	0.058	0.068
0.043	0.051	4.5	0.060	0.069
0.044	0.052	4.6	0.061	0.071
0.045	0.053	4.7	0.062	0.072
0.046	0.054	4.8	0.064	0.074
0.047	0.055	4.9	0.065	0.075
0.048	0.057	5.0	0.066	0.077
0.048	0.058	5.1	0.068	0.079
0.049	0.059	5.2	0.069	0.080
0.050	0.060	5.3	0.070	0.082
0.051	0.061	5.4	0.072	0.083

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
11	12		13	14
0.052	0.062	5.5	0.073	0.085
0.053	0.063	5.6	0.074	0.086
0.054	0.064	5.7	0.076	0.088
0.055	0.066	5.8	0.077	0.089
0.056	0.067	5.9	0.078	0.091
0.057	0.068	6.0	0.080	0.092
0.058	0.069	6.1	0.081	0.094
0.059	0.070	6.2	0.082	0.095
0.060	0.071	6.3	0.084	0.097
0.061	0.072	6.4	0.085	0.099
0.062	0.074	6.5	0.086	0.100
0.063	0.075	6.6	0.088	0.102
0.064	0.076	6.7	0.089	0.103
0.065	0.077	6.8	0.090	0.105
0.066	0.078	6.9	0.092	0.106
0.067	0.079	7.0	0.093	0.108
0.067	0.080	7.1	0.094	0.109
0.068	0.081	7.2	0.096	0.111
0.069	0.083	7.3	0.097	0.112
0.070	0.084	7.4	0.098	0.114
0.071	0.085	7.5	0.100	0.115
0.072	0.086	7.6	0.101	0.117
0.073	0.087	7.7	0.102	0.119
0.074	0.088	7.8	0.104	0.120
0.075	0.089	7.9	0.105	0.122
0.076	0.090	8.0	0.106	0.123
0.077	0.092	8.1	0.108	0.125
0.078	0.093	8.2	0.109	0.126
0.079	0.094	8.3	0.110	0.128
0.080	0.095	8.4	0.111	0.129
0.081	0.096	8.5	0.113	0.131
0.082	0.097	8.6	0.114	0.132
0.083	0.098	8.7	0.115	0.134
0.084	0.100	8.8	0.117	0.135
0.085	0.101	8.9	0.118	0.137
0.086	0.102	9.0	0.119	0.139
0.086	0.103	9.1	0.121	0.140
0.087	0.104	9.2	0.122	0.142
0.088	0.105	9.3	0.123	0.143
0.089	0.106	9.4	0.125	0.145
0.090	0.107	9.5	0.126	0.146
0.091	0.109	9.6	0.127	0.148
0.092	0.110	9.7	0.129	0.149
0.093	0.111	9.8	0.130	0.151
0.094	0.112	9.9	0.131	0.152
0.095	0.113	10.0	0.133	0.154

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
15	16		17	18
0.018	0.020	1.0	0.023	0.025
0.019	0.022	1.1	0.025	0.028
0.021	0.024	1.2	0.027	0.031
0.023	0.026	1.3	0.030	0.033
0.025	0.028	1.4	0.032	0.036
0.027	0.030	1.5	0.034	0.038
0.028	0.032	1.6	0.036	0.041
0.030	0.034	1.7	0.039	0.043
0.032	0.036	1.8	0.041	0.046
0.034	0.038	1.9	0.043	0.048
0.035	0.040	2.0	0.045	0.051
0.037	0.042	2.1	0.048	0.053
0.039	0.044	2.2	0.050	0.056
0.041	0.046	2.3	0.052	0.059
0.042	0.048	2.4	0.054	0.061
0.044	0.050	2.5	0.057	0.064
0.046	0.052	2.6	0.059	0.066
0.048	0.054	2.7	0.061	0.069
0.049	0.056	2.8	0.064	0.071
0.051	0.058	2.9	0.066	0.074
0.053	0.060	3.0	0.068	0.076
0.055	0.062	3.1	0.070	0.079
0.057	0.064	3.2	0.073	0.081
0.058	0.066	3.3	0.075	0.084
0.060	0.068	3.4	0.077	0.087
0.062	0.070	3.5	0.079	0.089
0.064	0.072	3.6	0.082	0.092
0.065	0.074	3.7	0.084	0.094
0.067	0.076	3.8	0.086	0.097
0.069	0.078	3.9	0.089	0.099
0.071	0.080	4.0	0.091	0.102
0.072	0.082	4.1	0.093	0.104
0.074	0.084	4.2	0.095	0.107
0.076	0.086	4.3	0.098	0.109
0.078	0.088	4.4	0.100	0.112
0.080	0.090	4.5	0.102	0.115
0.081	0.092	4.6	0.104	0.117
0.083	0.094	4.7	0.107	0.120
0.085	0.097	4.8	0.109	0.122
0.087	0.099	4.9	0.111	0.125
0.088	0.101	5.0	0.113	0.127
0.090	0.103	5.1	0.116	0.130
0.092	0.105	5.2	0.118	0.132
0.094	0.107	5.3	0.120	0.135
0.095	0.109	5.4	0.123	0.137

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
15	16		17	18
0.097	0.111	5.5	0.125	0.140
0.099	0.113	5.6	0.127	0.143
0.101	0.115	5.7	0.129	0.145
0.102	0.117	5.8	0.132	0.148
0.104	0.119	5.9	0.134	0.150
0.106	0.121	6.0	0.136	0.153
0.108	0.123	6.1	0.138	0.155
0.110	0.125	6.2	0.141	0.158
0.111	0.127	6.3	0.143	0.160
0.113	0.129	6.4	0.145	0.163
0.115	0.131	6.5	0.148	0.165
0.117	0.133	6.6	0.150	0.168
0.118	0.135	6.7	0.152	0.170
0.120	0.137	6.8	0.154	0.173
0.122	0.139	6.9	0.157	0.176
0.124	0.141	7.0	0.159	0.178
0.125	0.143	7.1	0.161	0.181
0.127	0.145	7.2	0.163	0.183
0.129	0.147	7.3	0.166	0.186
0.131	0.149	7.4	0.168	0.188
0.133	0.151	7.5	0.170	0.191
0.134	0.153	7.6	0.173	0.193
0.136	0.155	7.7	0.175	0.196
0.138	0.157	7.8	0.177	0.198
0.140	0.159	7.9	0.179	0.201
0.141	0.161	8.0	0.182	0.204
0.143	0.163	8.1	0.184	0.206
0.145	0.165	8.2	0.186	0.209
0.147	0.167	8.3	0.188	0.211
0.148	0.169	8.4	0.191	0.214
0.150	0.171	8.5	0.193	0.216
0.152	0.173	8.6	0.195	0.219
0.154	0.175	8.7	0.197	0.221
0.156	0.177	8.8	0.200	0.224
0.157	0.179	8.9	0.202	0.226
0.159	0.181	9.0	0.204	0.229
0.161	0.183	9.1	0.207	0.232
0.163	0.185	9.2	0.209	0.234
0.164	0.187	9.3	0.211	0.237
0.166	0.189	9.4	0.213	0.239
0.168	0.191	9.5	0.216	0.242
0.170	0.193	9.6	0.218	0.244
0.171	0.195	9.7	0.220	0.247
0.173	0.197	9.8	0.222	0.249
0.175	0.199	9.9	0.225	0.252
0.177	0.201	10.0	0.227	0.254

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
1 9	2 0		2 1	2.2
0.028	0.031	1.0	0.035	0.038
0.031	0.035	1.1	0.038	0.042
0.034	0.038	1.2	0.042	0.046
0.037	0.041	1.3	0.045	0.049
0.040	0.044	1.4	0.048	0.053
0.043	0.047	1.5	0.052	0.057
0.045	0.050	1.6	0.055	0.061
0.048	0.053	1.7	0.059	0.065
0.051	0.057	1.8	0.062	0.068
0.054	0.060	1.9	0.066	0.072
0.057	0.063	2.0	0.069	0.076
0.060	0.066	2.1	0.073	0.080
0.062	0.069	2.2	0.076	0.084
0.065	0.072	2.3	0.080	0.087
0.068	0.075	2.4	0.083	0.091
0.071	0.079	2.5	0.087	0.095
0.074	0.082	2.6	0.090	0.099
0.077	0.085	2.7	0.094	0.103
0.079	0.088	2.8	0.097	0.106
0.082	0.091	2.9	0.100	0.110
0.085	0.094	3.0	0.104	0.114
0.088	0.097	3.1	0.107	0.118
0.091	0.101	3.2	0.111	0.122
0.094	0.104	3.3	0.114	0.125
0.096	0.107	3.4	0.118	0.129
0.099	0.110	3.5	0.121	0.133
0.102	0.113	3.6	0.125	0.137
0.105	0.116	3.7	0.128	0.141
0.108	0.119	3.8	0.132	0.144
0.111	0.123	3.9	0.135	0.148
0.113	0.126	4.0	0.139	0.152
0.116	0.129	4.1	0.142	0.156
0.119	0.132	4.2	0.145	0.160
0.122	0.135	4.3	0.149	0.163
0.125	0.138	4.4	0.152	0.167
0.128	0.141	4.5	0.156	0.171
0.130	0.145	4.6	0.159	0.175
0.133	0.148	4.7	0.163	0.179
0.136	0.151	4.8	0.166	0.182
0.139	0.154	4.9	0.170	0.186
0.142	0.157	5.0	0.173	0.190
0.145	0.160	5.1	0.177	0.194
0.147	0.163	5.2	0.180	0.198
0.150	0.167	5.3	0.184	0.201
0.153	0.170	5.4	0.187	0.205

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
19	20		21	22
0.156	0.173	5.5	0.190	0.209
0.159	0.176	5.6	0.194	0.213
0.162	0.179	5.7	0.197	0.217
0.164	0.182	5.8	0.201	0.220
0.167	0.185	5.9	0.204	0.224
0.170	0.188	6.0	0.208	0.228
0.173	0.192	6.1	0.211	0.232
0.176	0.195	6.2	0.215	0.236
0.179	0.198	6.3	0.218	0.239
0.181	0.201	6.4	0.222	0.243
0.184	0.204	6.5	0.225	0.247
0.187	0.207	6.6	0.229	0.251
0.190	0.210	6.7	0.232	0.255
0.193	0.214	6.8	0.236	0.258
0.196	0.217	6.9	0.239	0.262
0.198	0.220	7.0	0.242	0.266
0.201	0.223	7.1	0.246	0.270
0.204	0.226	7.2	0.249	0.274
0.207	0.229	7.3	0.253	0.277
0.210	0.232	7.4	0.256	0.281
0.213	0.236	7.5	0.260	0.285
0.215	0.239	7.6	0.263	0.289
0.218	0.242	7.7	0.267	0.293
0.221	0.245	7.8	0.270	0.297
0.224	0.248	7.9	0.274	0.300
0.227	0.251	8.0	0.277	0.304
0.230	0.254	8.1	0.281	0.308
0.232	0.258	8.2	0.284	0.312
0.235	0.261	8.3	0.287	0.316
0.238	0.264	8.4	0.291	0.319
0.241	0.267	8.5	0.294	0.323
0.244	0.270	8.6	0.298	0.327
0.247	0.273	8.7	0.301	0.331
0.250	0.276	8.8	0.305	0.335
0.252	0.280	8.9	0.308	0.338
0.255	0.283	9.0	0.312	0.342
0.258	0.286	9.1	0.315	0.346
0.261	0.289	9.2	0.319	0.350
0.264	0.292	9.3	0.322	0.354
0.267	0.295	9.4	0.326	0.357
0.269	0.298	9.5	0.329	0.361
0.272	0.302	9.6	0.333	0.365
0.275	0.305	9.7	0.336	0.369
0.278	0.308	9.8	0.339	0.373
0.281	0.311	9.9	0.343	0.376
0.284	0.314	10.0	0.346	0.380

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
2 3	2 4		2 5	2 6
0.042	0.045	1.0	0.049	0.053
0.046	0.050	1.1	0.054	0.058
0.050	0.054	1.2	0.059	0.064
0.054	0.059	1.3	0.064	0.069
0.058	0.063	1.4	0.069	0.074
0.062	0.068	1.5	0.074	0.080
0.066	0.072	1.6	0.079	0.085
0.071	0.077	1.7	0.083	0.090
0.075	0.081	1.8	0.088	0.096
0.079	0.086	1.9	0.093	0.101
0.083	0.090	2.0	0.098	0.106
0.087	0.095	2.1	0.103	0.111
0.091	0.100	2.2	0.108	0.117
0.096	0.104	2.3	0.113	0.122
0.100	0.109	2.4	0.118	0.127
0.104	0.113	2.5	0.123	0.133
0.108	0.118	2.6	0.128	0.138
0.112	0.122	2.7	0.133	0.143
0.116	0.127	2.8	0.137	0.149
0.120	0.131	2.9	0.142	0.154
0.125	0.136	3.0	0.147	0.159
0.129	0.140	3.1	0.152	0.165
0.133	0.145	3.2	0.157	0.170
0.137	0.149	3.3	0.162	0.175
0.141	0.154	3.4	0.167	0.181
0.145	0.158	3.5	0.172	0.186
0.150	0.163	3.6	0.177	0.191
0.154	0.167	3.7	0.182	0.196
0.158	0.172	3.8	0.187	0.202
0.162	0.176	3.9	0.191	0.207
0.166	0.181	4.0	0.196	0.212
0.170	0.185	4.1	0.201	0.218
0.174	0.190	4.2	0.206	0.223
0.179	0.195	4.3	0.211	0.228
0.183	0.199	4.4	0.216	0.234
0.187	0.204	4.5	0.221	0.239
0.191	0.208	4.6	0.226	0.244
0.195	0.213	4.7	0.231	0.250
0.199	0.217	4.8	0.236	0.255
0.204	0.222	4.9	0.241	0.260
0.208	0.226	5.0	0.245	0.265
0.212	0.231	5.1	0.250	0.271
0.216	0.235	5.2	0.255	0.276
0.220	0.240	5.3	0.260	0.281
0.224	0.244	5.4	0.265	0.287

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
23	24		25	26
0.229	0.249	5.5	0.270	0.292
0.233	0.253	5.6	0.275	0.297
0.237	0.258	5.7	0.280	0.303
0.241	0.262	5.8	0.285	0.308
0.245	0.267	5.9	0.290	0.313
0.249	0.271	6.0	0.295	0.319
0.253	0.276	6.1	0.299	0.324
0.258	0.280	6.2	0.304	0.329
0.262	0.285	6.3	0.309	0.334
0.266	0.290	6.4	0.314	0.340
0.270	0.294	6.5	0.319	0.345
0.274	0.299	6.6	0.324	0.350
0.278	0.303	6.7	0.329	0.356
0.283	0.308	6.8	0.334	0.361
0.287	0.312	6.9	0.339	0.366
0.291	0.317	7.0	0.344	0.372
0.295	0.321	7.1	0.349	0.377
0.299	0.326	7.2	0.353	0.382
0.303	0.330	7.3	0.358	0.388
0.307	0.335	7.4	0.363	0.393
0.312	0.339	7.5	0.368	0.398
0.316	0.344	7.6	0.373	0.404
0.320	0.348	7.7	0.378	0.409
0.324	0.353	7.8	0.383	0.414
0.328	0.357	7.9	0.388	0.419
0.332	0.362	8.0	0.393	0.425
0.337	0.366	8.1	0.398	0.430
0.341	0.371	8.2	0.403	0.435
0.345	0.375	8.3	0.407	0.441
0.349	0.380	8.4	0.412	0.446
0.353	0.385	8.5	0.417	0.451
0.357	0.389	8.6	0.422	0.457
0.361	0.394	8.7	0.427	0.462
0.366	0.398	8.8	0.432	0.467
0.370	0.403	8.9	0.437	0.473
0.374	0.407	9.0	0.442	0.478
0.378	0.412	9.1	0.447	0.483
0.382	0.416	9.2	0.452	0.488
0.386	0.421	9.3	0.457	0.494
0.391	0.425	9.4	0.461	0.499
0.395	0.430	9.5	0.466	0.504
0.399	0.434	9.6	0.471	0.510
0.403	0.439	9.7	0.476	0.515
0.407	0.443	9.8	0.481	0.520
0.411	0.448	9.9	0.486	0.526
0.415	0.452	10.0	0.491	0.531

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
27	28		29	30
0.057	0.062	1.0	0.066	0.071
0.063	0.068	1.1	0.073	0.078
0.069	0.074	1.2	0.079	0.085
0.074	0.080	1.3	0.086	0.092
0.080	0.086	1.4	0.092	0.099
0.086	0.092	1.5	0.099	0.106
0.092	0.099	1.6	0.106	0.113
0.097	0.105	1.7	0.112	0.120
0.103	0.111	1.8	0.119	0.127
0.109	0.117	1.9	0.125	0.134
0.115	0.123	2.0	0.132	0.141
0.120	0.129	2.1	0.139	0.148
0.126	0.135	2.2	0.145	0.156
0.132	0.142	2.3	0.152	0.163
0.137	0.148	2.4	0.159	0.170
0.143	0.154	2.5	0.165	0.177
0.149	0.160	2.6	0.172	0.184
0.155	0.166	2.7	0.178	0.191
0.160	0.172	2.8	0.185	0.198
0.166	0.179	2.9	0.192	0.205
0.172	0.185	3.0	0.198	0.212
0.177	0.191	3.1	0.205	0.219
0.183	0.197	3.2	0.211	0.226
0.189	0.203	3.3	0.218	0.233
0.195	0.209	3.4	0.225	0.240
0.200	0.216	3.5	0.231	0.247
0.206	0.222	3.6	0.238	0.254
0.212	0.228	3.7	0.244	0.262
0.218	0.234	3.8	0.251	0.269
0.223	0.240	3.9	0.258	0.276
0.229	0.246	4.0	0.264	0.283
0.235	0.252	4.1	0.271	0.290
0.240	0.259	4.2	0.277	0.297
0.246	0.265	4.3	0.284	0.304
0.252	0.271	4.4	0.291	0.311
0.258	0.277	4.5	0.297	0.318
0.263	0.283	4.6	0.304	0.325
0.269	0.289	4.7	0.310	0.332
0.275	0.296	4.8	0.317	0.339
0.281	0.302	4.9	0.324	0.346
0.286	0.308	5.0	0.330	0.353
0.292	0.314	5.1	0.337	0.360
0.298	0.320	5.2	0.343	0.368
0.303	0.326	5.3	0.350	0.375
0.309	0.333	5.4	0.357	0.382

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
27	28		29	30
0.315	0.339	5.5	0.363	0.389
0.321	0.345	5.6	0.370	0.396
0.326	0.351	5.7	0.376	0.403
0.332	0.357	5.8	0.383	0.410
0.338	0.363	5.9	0.390	0.417
0.344	0.369	6.0	0.396	0.424
0.349	0.376	6.1	0.403	0.431
0.355	0.382	6.2	0.410	0.438
0.361	0.388	6.3	0.416	0.445
0.366	0.394	6.4	0.423	0.452
0.372	0.400	6.5	0.429	0.459
0.378	0.406	6.6	0.436	0.467
0.384	0.413	6.7	0.443	0.474
0.389	0.419	6.8	0.449	0.481
0.395	0.425	6.9	0.456	0.488
0.401	0.431	7.0	0.462	0.495
0.407	0.437	7.1	0.469	0.502
0.412	0.443	7.2	0.476	0.509
0.418	0.449	7.3	0.482	0.516
0.424	0.456	7.4	0.489	0.523
0.429	0.462	7.5	0.495	0.530
0.435	0.468	7.6	0.502	0.537
0.441	0.474	7.7	0.509	0.544
0.447	0.480	7.8	0.515	0.551
0.452	0.486	7.9	0.522	0.558
0.458	0.493	8.0	0.528	0.565
0.464	0.499	8.1	0.535	0.573
0.469	0.505	8.2	0.542	0.580
0.475	0.511	8.3	0.548	0.587
0.481	0.517	8.4	0.555	0.594
0.487	0.523	8.5	0.561	0.601
0.492	0.530	8.6	0.568	0.608
0.498	0.536	8.7	0.575	0.615
0.504	0.542	8.8	0.581	0.622
0.510	0.548	8.9	0.588	0.629
0.515	0.554	9.0	0.594	0.636
0.521	0.560	9.1	0.601	0.643
0.527	0.566	9.2	0.608	0.650
0.532	0.573	9.3	0.614	0.657
0.538	0.579	9.4	0.621	0.664
0.544	0.585	9.5	0.627	0.672
0.550	0.591	9.6	0.634	0.679
0.555	0.597	9.7	0.641	0.686
0.561	0.603	9.8	0.647	0.693
0.567	0.610	9.9	0.654	0.700
0.573	0.616	10.0	0.661	0.707

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
31	32		33	34
0.075	0.080	1.0	0.086	0.091
0.083	0.088	1.1	0.094	0.100
0.091	0.097	1.2	0.103	0.109
0.098	0.105	1.3	0.111	0.118
0.106	0.113	1.4	0.120	0.127
0.113	0.121	1.5	0.128	0.136
0.121	0.129	1.6	0.137	0.145
0.128	0.137	1.7	0.145	0.154
0.136	0.145	1.8	0.154	0.163
0.143	0.153	1.9	0.163	0.173
0.151	0.161	2.0	0.171	0.182
0.159	0.169	2.1	0.180	0.191
0.166	0.177	2.2	0.188	0.200
0.174	0.185	2.3	0.197	0.209
0.181	0.193	2.4	0.205	0.218
0.189	0.201	2.5	0.214	0.227
0.196	0.209	2.6	0.222	0.236
0.204	0.217	2.7	0.231	0.245
0.211	0.225	2.8	0.239	0.254
0.219	0.233	2.9	0.248	0.263
0.226	0.241	3.0	0.257	0.272
0.234	0.249	3.1	0.265	0.281
0.242	0.257	3.2	0.274	0.291
0.249	0.265	3.3	0.282	0.300
0.257	0.273	3.4	0.291	0.309
0.264	0.281	3.5	0.299	0.318
0.272	0.290	3.6	0.308	0.327
0.279	0.298	3.7	0.316	0.336
0.287	0.306	3.8	0.325	0.345
0.294	0.314	3.9	0.334	0.354
0.302	0.322	4.0	0.342	0.363
0.309	0.330	4.1	0.351	0.372
0.317	0.338	4.2	0.359	0.381
0.325	0.346	4.3	0.368	0.390
0.332	0.354	4.4	0.376	0.399
0.340	0.362	4.5	0.385	0.409
0.347	0.370	4.6	0.393	0.418
0.355	0.378	4.7	0.402	0.427
0.362	0.386	4.8	0.411	0.436
0.370	0.394	4.9	0.419	0.445
0.377	0.402	5.0	0.428	0.454
0.385	0.410	5.1	0.436	0.463
0.392	0.418	5.2	0.445	0.472
0.400	0.426	5.3	0.453	0.481
0.408	0.434	5.4	0.462	0.490

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
31	32		33	34
0.415	0.442	5.5	0.470	0.499
0.423	0.450	5.6	0.479	0.508
0.430	0.458	5.7	0.488	0.518
0.438	0.466	5.8	0.496	0.527
0.445	0.475	5.9	0.505	0.536
0.453	0.483	6.0	0.513	0.545
0.460	0.491	6.1	0.522	0.554
0.468	0.499	6.2	0.530	0.563
0.476	0.507	6.3	0.539	0.572
0.483	0.515	6.4	0.547	0.581
0.491	0.523	6.5	0.556	0.590
0.498	0.531	6.6	0.564	0.599
0.506	0.539	6.7	0.573	0.608
0.513	0.547	6.8	0.582	0.617
0.521	0.555	6.9	0.590	0.626
0.528	0.563	7.0	0.599	0.636
0.536	0.571	7.1	0.607	0.645
0.543	0.579	7.2	0.616	0.654
0.551	0.587	7.3	0.624	0.663
0.559	0.595	7.4	0.633	0.672
0.566	0.603	7.5	0.641	0.681
0.574	0.611	7.6	0.650	0.690
0.581	0.619	7.7	0.659	0.699
0.589	0.627	7.8	0.667	0.708
0.596	0.635	7.9	0.676	0.717
0.604	0.643	8.0	0.684	0.726
0.611	0.651	8.1	0.693	0.735
0.619	0.659	8.2	0.701	0.744
0.626	0.668	8.3	0.710	0.754
0.634	0.676	8.4	0.718	0.763
0.642	0.684	8.5	0.727	0.772
0.649	0.692	8.6	0.736	0.781
0.657	0.700	8.7	0.744	0.790
0.664	0.708	8.8	0.753	0.799
0.672	0.716	8.9	0.761	0.808
0.679	0.724	9.0	0.770	0.817
0.687	0.732	9.1	0.778	0.826
0.694	0.740	9.2	0.787	0.835
0.702	0.748	9.3	0.795	0.844
0.709	0.756	9.4	0.804	0.853
0.717	0.764	9.5	0.813	0.863
0.725	0.772	9.6	0.821	0.872
0.732	0.780	9.7	0.830	0.881
0.740	0.788	9.8	0.838	0.890
0.747	0.796	9.9	0.847	0.899
0.755	0.804	10.0	0.855	0.908

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
35	36		37	38
0.096	0.102	1.0	0.108	0.113
0.106	0.112	1.1	0.118	0.125
0.115	0.122	1.2	0.129	0.136
0.125	0.132	1.3	0.140	0.147
0.135	0.143	1.4	0.151	0.159
0.144	0.153	1.5	0.161	0.170
0.154	0.163	1.6	0.172	0.181
0.164	0.173	1.7	0.183	0.193
0.173	0.183	1.8	0.194	0.204
0.183	0.193	1.9	0.204	0.215
0.192	0.204	2.0	0.215	0.227
0.202	0.214	2.1	0.226	0.238
0.212	0.224	2.2	0.237	0.250
0.221	0.234	2.3	0.247	0.261
0.231	0.244	2.4	0.258	0.272
0.241	0.254	2.5	0.269	0.284
0.250	0.265	2.6	0.280	0.295
0.260	0.275	2.7	0.290	0.306
0.269	0.285	2.8	0.301	0.318
0.279	0.295	2.9	0.312	0.329
0.289	0.305	3.0	0.323	0.340
0.298	0.316	3.1	0.333	0.352
0.308	0.326	3.2	0.344	0.363
0.317	0.336	3.3	0.355	0.374
0.327	0.346	3.4	0.366	0.386
0.337	0.356	3.5	0.376	0.397
0.346	0.366	3.6	0.387	0.408
0.356	0.377	3.7	0.398	0.420
0.366	0.387	3.8	0.409	0.431
0.375	0.397	3.9	0.419	0.442
0.385	0.407	4.0	0.430	0.454
0.394	0.417	4.1	0.441	0.465
0.404	0.428	4.2	0.452	0.476
0.414	0.438	4.3	0.462	0.488
0.423	0.448	4.4	0.473	0.499
0.433	0.458	4.5	0.484	0.510
0.443	0.468	4.6	0.495	0.522
0.452	0.478	4.7	0.505	0.533
0.462	0.489	4.8	0.516	0.544
0.471	0.499	4.9	0.527	0.556
0.481	0.509	5.0	0.538	0.567
0.491	0.519	5.1	0.548	0.578
0.500	0.529	5.2	0.559	0.590
0.510	0.539	5.3	0.570	0.601
0.520	0.550	5.4	0.581	0.612

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
35	36		37	38
0.529	0.560	5.5	0.591	0.624
0.539	0.570	5.6	0.602	0.635
0.548	0.580	5.7	0.613	0.646
0.558	0.590	5.8	0.624	0.658
0.568	0.601	5.9	0.634	0.669
0.577	0.611	6.0	0.645	0.680
0.587	0.621	6.1	0.656	0.692
0.597	0.631	6.2	0.667	0.703
0.606	0.641	6.3	0.677	0.714
0.616	0.651	6.4	0.688	0.726
0.625	0.662	6.5	0.699	0.737
0.635	0.672	6.6	0.710	0.749
0.645	0.682	6.7	0.720	0.760
0.654	0.692	6.8	0.731	0.771
0.664	0.702	6.9	0.742	0.783
0.673	0.713	7.0	0.753	0.794
0.683	0.723	7.1	0.763	0.805
0.693	0.733	7.2	0.774	0.817
0.702	0.743	7.3	0.785	0.828
0.712	0.753	7.4	0.796	0.839
0.722	0.763	7.5	0.806	0.851
0.731	0.774	7.6	0.817	0.862
0.741	0.784	7.7	0.828	0.873
0.750	0.794	7.8	0.839	0.885
0.760	0.804	7.9	0.849	0.896
0.770	0.814	8.0	0.860	0.907
0.779	0.824	8.1	0.871	0.919
0.789	0.835	8.2	0.882	0.930
0.799	0.845	8.3	0.892	0.941
0.808	0.855	8.4	0.903	0.953
0.818	0.865	8.5	0.914	0.964
0.827	0.875	8.6	0.925	0.975
0.837	0.886	8.7	0.935	0.987
0.847	0.896	8.8	0.946	0.998
0.856	0.906	8.9	0.957	1.009
0.866	0.916	9.0	0.968	1.021
0.876	0.926	9.1	0.978	1.032
0.885	0.936	9.2	0.989	1.043
0.895	0.947	9.3	1.000	1.055
0.904	0.957	9.4	1.011	1.066
0.914	0.967	9.5	1.021	1.077
0.924	0.977	9.6	1.032	1.089
0.933	0.987	9.7	1.043	1.100
0.943	0.998	9.8	1.054	1.111
0.952	1.008	9.9	1.064	1.123
0.962	1.018	10.0	1.075	1.134

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
39	40		41	42
0.119	0.126	1.0	0.132	0.139
0.131	0.138	1.1	0.145	0.152
0.143	0.151	1.2	0.158	0.166
0.155	0.163	1.3	0.172	0.180
0.167	0.176	1.4	0.185	0.194
0.179	0.188	1.5	0.198	0.208
0.191	0.201	1.6	0.211	0.222
0.203	0.214	1.7	0.224	0.236
0.215	0.226	1.8	0.238	0.249
0.227	0.239	1.9	0.251	0.263
0.239	0.251	2.0	0.264	0.277
0.251	0.264	2.1	0.277	0.291
0.263	0.276	2.2	0.290	0.305
0.275	0.289	2.3	0.304	0.319
0.287	0.302	2.4	0.317	0.333
0.299	0.314	2.5	0.330	0.346
0.311	0.327	2.6	0.343	0.360
0.323	0.339	2.7	0.356	0.374
0.334	0.352	2.8	0.370	0.388
0.346	0.364	2.9	0.383	0.402
0.358	0.377	3.0	0.396	0.416
0.370	0.390	3.1	0.409	0.429
0.382	0.402	3.2	0.422	0.443
0.394	0.415	3.3	0.436	0.457
0.406	0.427	3.4	0.449	0.471
0.418	0.440	3.5	0.462	0.485
0.430	0.452	3.6	0.475	0.499
0.442	0.465	3.7	0.488	0.513
0.454	0.478	3.8	0.502	0.526
0.466	0.490	3.9	0.515	0.540
0.478	0.503	4.0	0.528	0.554
0.490	0.515	4.1	0.541	0.568
0.502	0.528	4.2	0.555	0.582
0.514	0.540	4.3	0.568	0.596
0.526	0.553	4.4	0.581	0.610
0.538	0.565	4.5	0.594	0.623
0.550	0.578	4.6	0.607	0.637
0.561	0.591	4.7	0.621	0.651
0.573	0.603	4.8	0.634	0.665
0.585	0.616	4.9	0.647	0.679
0.597	0.628	5.0	0.660	0.693
0.609	0.641	5.1	0.673	0.707
0.621	0.653	5.2	0.687	0.720
0.633	0.666	5.3	0.700	0.734
0.645	0.679	5.4	0.713	0.748

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
39	40		41	42
0.657	0.691	5.5	0.726	0.762
0.669	0.704	5.6	0.739	0.776
0.681	0.716	5.7	0.753	0.790
0.693	0.729	5.8	0.766	0.804
0.705	0.741	5.9	0.779	0.817
0.717	0.754	6.0	0.792	0.831
0.729	0.767	6.1	0.805	0.845
0.741	0.779	6.2	0.819	0.859
0.753	0.792	6.3	0.832	0.873
0.765	0.804	6.4	0.845	0.887
0.776	0.817	6.5	0.858	0.901
0.788	0.829	6.6	0.871	0.914
0.800	0.842	6.7	0.885	0.928
0.812	0.855	6.8	0.898	0.942
0.824	0.867	6.9	0.911	0.956
0.836	0.880	7.0	0.924	0.970
0.848	0.892	7.1	0.937	0.984
0.860	0.905	7.2	0.951	0.998
0.872	0.917	7.3	0.964	1.011
0.884	0.930	7.4	0.977	1.025
0.896	0.942	7.5	0.990	1.039
0.908	0.955	7.6	1.003	1.053
0.920	0.968	7.7	1.017	1.067
0.932	0.980	7.8	1.030	1.081
0.944	0.993	7.9	1.043	1.094
0.956	1.005	8.0	1.056	1.108
0.968	1.018	8.1	1.069	1.122
0.980	1.030	8.2	1.083	1.136
0.992	1.043	8.3	1.096	1.150
1.003	1.056	8.4	1.109	1.164
1.015	1.068	8.5	1.122	1.178
1.027	1.081	8.6	1.135	1.191
1.039	1.093	8.7	1.149	1.205
1.051	1.106	8.8	1.162	1.219
1.063	1.118	8.9	1.175	1.233
1.075	1.131	9.0	1.188	1.247
1.087	1.144	9.1	1.201	1.261
1.099	1.156	9.2	1.215	1.275
1.111	1.169	9.3	1.228	1.288
1.123	1.181	9.4	1.241	1.302
1.135	1.194	9.5	1.254	1.316
1.147	1.206	9.6	1.267	1.330
1.159	1.219	9.7	1.281	1.344
1.171	1.232	9.8	1.294	1.358
1.183	1.244	9.9	1.307	1.372
1.195	1.257	10.0	1.320	1.385

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
4 3	4 4		4 5	4 6
0.145	0.152	1.0	0.159	0.166
0.160	0.167	1.1	0.175	0.183
0.174	0.182	1.2	0.191	0.199
0.189	0.198	1.3	0.207	0.216
0.203	0.213	1.4	0.223	0.233
0.218	0.228	1.5	0.239	0.249
0.232	0.243	1.6	0.254	0.266
0.247	0.258	1.7	0.270	0.283
0.261	0.274	1.8	0.286	0.299
0.276	0.289	1.9	0.302	0.316
0.290	0.304	2.0	0.318	0.332
0.305	0.319	2.1	0.334	0.349
0.319	0.335	2.2	0.350	0.366
0.334	0.350	2.3	0.366	0.382
0.349	0.365	2.4	0.382	0.399
0.363	0.380	2.5	0.398	0.415
0.378	0.395	2.6	0.414	0.432
0.392	0.411	2.7	0.429	0.449
0.407	0.426	2.8	0.445	0.465
0.421	0.441	2.9	0.461	0.482
0.436	0.456	3.0	0.477	0.499
0.450	0.471	3.1	0.493	0.515
0.465	0.487	3.2	0.509	0.532
0.479	0.502	3.3	0.525	0.548
0.494	0.517	3.4	0.541	0.565
0.508	0.532	3.5	0.557	0.582
0.523	0.547	3.6	0.573	0.598
0.537	0.563	3.7	0.588	0.615
0.552	0.578	3.8	0.604	0.632
0.566	0.593	3.9	0.620	0.648
0.581	0.608	4.0	0.636	0.665
0.595	0.623	4.1	0.652	0.681
0.610	0.639	4.2	0.668	0.698
0.624	0.654	4.3	0.684	0.715
0.639	0.669	4.4	0.700	0.731
0.653	0.684	4.5	0.716	0.748
0.668	0.699	4.6	0.732	0.764
0.683	0.715	4.7	0.748	0.781
0.697	0.730	4.8	0.763	0.798
0.712	0.745	4.9	0.779	0.814
0.726	0.760	5.0	0.795	0.831
0.741	0.775	5.1	0.811	0.848
0.755	0.791	5.2	0.827	0.864
0.770	0.806	5.3	0.843	0.881
0.784	0.821	5.4	0.859	0.897

Volume In Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
43	44		45	46
0.799	0.836	5.5	0.875	0.914
0.813	0.851	5.6	0.891	0.931
0.828	0.867	5.7	0.907	0.947
0.842	0.882	5.8	0.922	0.964
0.857	0.897	5.9	0.938	0.981
0.871	0.912	6.0	0.954	0.997
0.886	0.928	6.1	0.970	1.014
0.900	0.943	6.2	0.986	1.030
0.915	0.958	6.3	1.002	1.047
0.929	0.973	6.4	1.018	1.064
0.944	0.988	6.5	1.034	1.080
0.958	1.004	6.6	1.050	1.097
0.973	1.019	6.7	1.066	1.113
0.987	1.034	6.8	1.081	1.130
1.002	1.049	6.9	1.097	1.147
1.017	1.064	7.0	1.113	1.163
1.031	1.080	7.1	1.129	1.180
1.046	1.095	7.2	1.145	1.197
1.060	1.110	7.3	1.161	1.213
1.075	1.125	7.4	1.177	1.230
1.089	1.140	7.5	1.193	1.246
1.104	1.156	7.6	1.209	1.263
1.118	1.171	7.7	1.225	1.280
1.133	1.186	7.8	1.241	1.296
1.147	1.201	7.9	1.256	1.313
1.162	1.216	8.0	1.272	1.330
1.176	1.232	8.1	1.288	1.346
1.191	1.247	8.2	1.304	1.363
1.205	1.262	8.3	1.320	1.379
1.220	1.277	8.4	1.336	1.396
1.234	1.292	8.5	1.352	1.413
1.249	1.308	8.6	1.368	1.429
1.263	1.323	8.7	1.384	1.446
1.278	1.338	8.8	1.400	1.462
1.292	1.353	8.9	1.415	1.479
1.307	1.368	9.0	1.431	1.496
1.322	1.384	9.1	1.447	1.512
1.336	1.399	9.2	1.463	1.529
1.351	1.414	9.3	1.479	1.546
1.365	1.429	9.4	1.495	1.562
1.380	1.445	9.5	1.511	1.579
1.394	1.460	9.6	1.527	1.595
1.409	1.475	9.7	1.543	1.612
1.423	1.490	9.8	1.559	1.629
1.438	1.505	9.9	1.575	1.645
1.452	1.521	10.0	1.590	1.662

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
4 7	4 8		4 9	5 0
0.173	0.181	1.0	0.189	0.196
0.191	0.199	1.1	0.207	0.216
0.208	0.217	1.2	0.226	0.236
0.226	0.235	1.3	0.245	0.255
0.243	0.253	1.4	0.264	0.275
0.260	0.271	1.5	0.283	0.295
0.278	0.290	1.6	0.302	0.314
0.295	0.308	1.7	0.321	0.334
0.312	0.326	1.8	0.339	0.353
0.330	0.344	1.9	0.358	0.373
0.347	0.362	2.0	0.377	0.393
0.364	0.380	2.1	0.396	0.412
0.382	0.398	2.2	0.415	0.432
0.399	0.416	2.3	0.434	0.452
0.416	0.434	2.4	0.453	0.471
0.434	0.452	2.5	0.471	0.491
0.451	0.470	2.6	0.490	0.511
0.468	0.489	2.7	0.509	0.530
0.486	0.507	2.8	0.528	0.550
0.503	0.525	2.9	0.547	0.569
0.520	0.543	3.0	0.566	0.589
0.538	0.561	3.1	0.585	0.609
0.555	0.579	3.2	0.603	0.628
0.573	0.597	3.3	0.622	0.648
0.590	0.615	3.4	0.641	0.668
0.607	0.633	3.5	0.660	0.687
0.625	0.651	3.6	0.679	0.707
0.642	0.670	3.7	0.698	0.726
0.659	0.688	3.8	0.717	0.746
0.677	0.706	3.9	0.735	0.766
0.694	0.724	4.0	0.754	0.785
0.711	0.742	4.1	0.773	0.805
0.729	0.760	4.2	0.792	0.825
0.746	0.778	4.3	0.811	0.844
0.763	0.796	4.4	0.830	0.864
0.781	0.814	4.5	0.849	0.884
0.798	0.832	4.6	0.867	0.903
0.815	0.850	4.7	0.886	0.923
0.833	0.869	4.8	0.905	0.942
0.850	0.887	4.9	0.924	0.962
0.867	0.905	5.0	0.943	0.982
0.885	0.923	5.1	0.962	1.001
0.902	0.941	5.2	0.981	1.021
0.920	0.959	5.3	0.999	1.041
0.937	0.977	5.4	1.018	1.060

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
47	48		49	50
0.954	0.995	5.5	1.037	1.080
0.972	1.013	5.6	1.056	1.100
0.989	1.031	5.7	1.075	1.119
1.006	1.050	5.8	1.094	1.139
1.024	1.068	5.9	1.113	1.158
1.041	1.086	6.0	1.131	1.178
1.058	1.104	6.1	1.150	1.198
1.076	1.122	6.2	1.169	1.217
1.093	1.140	6.3	1.188	1.237
1.110	1.158	6.4	1.207	1.257
1.128	1.176	6.5	1.226	1.276
1.145	1.194	6.6	1.245	1.296
1.162	1.212	6.7	1.263	1.316
1.180	1.230	6.8	1.282	1.335
1.197	1.249	6.9	1.301	1.355
1.214	1.267	7.0	1.320	1.374
1.232	1.285	7.1	1.339	1.394
1.249	1.303	7.2	1.358	1.414
1.267	1.321	7.3	1.377	1.433
1.284	1.339	7.4	1.395	1.453
1.301	1.357	7.5	1.414	1.473
1.319	1.375	7.6	1.433	1.492
1.336	1.393	7.7	1.452	1.512
1.353	1.411	7.8	1.471	1.532
1.371	1.430	7.9	1.490	1.551
1.388	1.448	8.0	1.509	1.571
1.405	1.466	8.1	1.527	1.590
1.423	1.484	8.2	1.546	1.610
1.440	1.502	8.3	1.565	1.630
1.457	1.520	8.4	1.584	1.649
1.475	1.538	8.5	1.603	1.669
1.492	1.556	8.6	1.622	1.689
1.509	1.574	8.7	1.641	1.708
1.527	1.592	8.8	1.659	1.728
1.544	1.611	8.9	1.678	1.748
1.561	1.629	9.0	1.697	1.767
1.579	1.647	9.1	1.716	1.787
1.596	1.665	9.2	1.735	1.806
1.613	1.683	9.3	1.754	1.826
1.631	1.701	9.4	1.773	1.846
1.648	1.719	9.5	1.791	1.865
1.666	1.737	9.6	1.810	1.885
1.683	1.755	9.7	1.829	1.905
1.700	1.773	9.8	1.848	1.924
1.718	1.791	9.9	1.867	1.944
1.735	1.810	10.0	1.886	1.963

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
5 1	5 2		5 3	5 4
0.204	0.212	1.0	0.221	0.229
0.225	0.234	1.1	0.243	0.252
0.245	0.255	1.2	0.265	0.275
0.266	0.276	1.3	0.287	0.298
0.286	0.297	1.4	0.309	0.321
0.306	0.319	1.5	0.331	0.344
0.327	0.340	1.6	0.353	0.366
0.347	0.361	1.7	0.375	0.389
0.368	0.382	1.8	0.397	0.412
0.388	0.404	1.9	0.419	0.435
0.409	0.425	2.0	0.441	0.458
0.429	0.446	2.1	0.463	0.481
0.449	0.467	2.2	0.485	0.504
0.470	0.488	2.3	0.507	0.527
0.490	0.510	2.4	0.529	0.550
0.511	0.531	2.5	0.552	0.573
0.531	0.552	2.6	0.574	0.595
0.552	0.573	2.7	0.596	0.618
0.572	0.595	2.8	0.618	0.641
0.592	0.616	2.9	0.640	0.664
0.613	0.637	3.0	0.662	0.687
0.633	0.658	3.1	0.684	0.710
0.654	0.680	3.2	0.706	0.733
0.674	0.701	3.3	0.728	0.756
0.695	0.722	3.4	0.750	0.779
0.715	0.743	3.5	0.772	0.802
0.735	0.765	3.6	0.794	0.824
0.756	0.786	3.7	0.816	0.847
0.776	0.807	3.8	0.838	0.870
0.797	0.828	3.9	0.860	0.893
0.817	0.849	4.0	0.882	0.916
0.838	0.871	4.1	0.905	0.939
0.858	0.892	4.2	0.927	0.962
0.878	0.913	4.3	0.949	0.985
0.899	0.934	4.4	0.971	1.008
0.919	0.956	4.5	0.993	1.031
0.940	0.977	4.6	1.015	1.054
0.960	0.998	4.7	1.037	1.076
0.981	1.019	4.8	1.059	1.099
1.001	1.041	4.9	1.081	1.122
1.021	1.062	5.0	1.103	1.145
1.042	1.083	5.1	1.125	1.168
1.062	1.104	5.2	1.147	1.191
1.083	1.126	5.3	1.169	1.214
1.103	1.147	5.4	1.191	1.237

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
51	52		53	54
1.124	1.168	5.5	1.213	1.260
1.144	1.189	5.6	1.235	1.283
1.164	1.211	5.7	1.258	1.305
1.185	1.232	5.8	1.280	1.328
1.205	1.253	5.9	1.302	1.351
1.226	1.274	6.0	1.324	1.374
1.246	1.295	6.1	1.346	1.397
1.267	1.317	6.2	1.368	1.420
1.287	1.338	6.3	1.390	1.443
1.307	1.359	6.4	1.412	1.466
1.328	1.380	6.5	1.434	1.489
1.348	1.402	6.6	1.456	1.512
1.369	1.423	6.7	1.478	1.534
1.389	1.444	6.8	1.500	1.557
1.410	1.465	6.9	1.522	1.580
1.430	1.487	7.0	1.544	1.603
1.450	1.508	7.1	1.566	1.626
1.471	1.529	7.2	1.588	1.649
1.491	1.550	7.3	1.611	1.672
1.512	1.572	7.4	1.633	1.695
1.532	1.593	7.5	1.655	1.718
1.553	1.614	7.6	1.677	1.741
1.573	1.635	7.7	1.699	1.763
1.593	1.656	7.8	1.721	1.786
1.614	1.678	7.9	1.743	1.809
1.634	1.699	8.0	1.765	1.832
1.655	1.720	8.1	1.787	1.855
1.675	1.741	8.2	1.809	1.878
1.696	1.763	8.3	1.831	1.901
1.716	1.784	8.4	1.853	1.924
1.736	1.805	8.5	1.875	1.947
1.757	1.826	8.6	1.897	1.970
1.777	1.848	8.7	1.919	1.992
1.798	1.869	8.8	1.941	2.015
1.818	1.890	8.9	1.964	2.038
1.839	1.911	9.0	1.986	2.061
1.859	1.933	9.1	2.008	2.084
1.879	1.954	9.2	2.030	2.107
1.900	1.975	9.3	2.052	2.130
1.920	1.996	9.4	2.074	2.153
1.941	2.018	9.5	2.096	2.176
1.961	2.039	9.6	2.118	2.199
1.982	2.060	9.7	2.140	2.222
2.002	2.081	9.8	2.162	2.244
2.022	2.102	9.9	2.184	2.267
2.043	2.124	10.0	2.206	2.290

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
55	56		57	58
0.238	0.246	1.0	0.255	0.264
0.261	0.271	1.1	0.281	0.291
0.285	0.296	1.2	0.306	0.317
0.309	0.320	1.3	0.332	0.343
0.333	0.345	1.4	0.357	0.370
0.356	0.369	1.5	0.383	0.396
0.380	0.394	1.6	0.408	0.423
0.404	0.419	1.7	0.434	0.449
0.428	0.443	1.8	0.459	0.476
0.451	0.468	1.9	0.485	0.502
0.475	0.493	2.0	0.510	0.528
0.499	0.517	2.1	0.536	0.555
0.523	0.542	2.2	0.561	0.581
0.546	0.566	2.3	0.587	0.608
0.570	0.591	2.4	0.612	0.634
0.594	0.616	2.5	0.638	0.661
0.618	0.640	2.6	0.663	0.687
0.641	0.665	2.7	0.689	0.713
0.665	0.690	2.8	0.714	0.740
0.689	0.714	2.9	0.740	0.766
0.713	0.739	3.0	0.766	0.793
0.737	0.764	3.1	0.791	0.819
0.760	0.788	3.2	0.817	0.845
0.784	0.813	3.3	0.842	0.872
0.808	0.837	3.4	0.868	0.898
0.832	0.862	3.5	0.893	0.925
0.855	0.887	3.6	0.919	0.951
0.879	0.911	3.7	0.944	0.978
0.903	0.936	3.8	0.970	1.004
0.927	0.961	3.9	0.995	1.030
0.950	0.985	4.0	1.021	1.057
0.974	1.010	4.1	1.046	1.083
0.998	1.034	4.2	1.072	1.110
1.022	1.059	4.3	1.097	1.136
1.045	1.084	4.4	1.123	1.163
1.069	1.108	4.5	1.148	1.189
1.093	1.133	4.6	1.174	1.215
1.117	1.158	4.7	1.199	1.242
1.140	1.182	4.8	1.225	1.268
1.164	1.207	4.9	1.250	1.295
1.188	1.232	5.0	1.276	1.321
1.212	1.256	5.1	1.301	1.347
1.235	1.281	5.2	1.327	1.374
1.259	1.305	5.3	1.352	1.400
1.283	1.330	5.4	1.378	1.427

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
55	56		57	58
1.307	1.355	5.5	1.403	1.453
1.330	1.379	5.6	1.429	1.480
1.354	1.404	5.7	1.455	1.506
1.378	1.429	5.8	1.480	1.532
1.402	1.453	5.9	1.506	1.559
1.425	1.478	6.0	1.531	1.585
1.449	1.502	6.1	1.557	1.612
1.473	1.527	6.2	1.582	1.638
1.497	1.552	6.3	1.608	1.665
1.521	1.576	6.4	1.633	1.691
1.544	1.601	6.5	1.659	1.717
1.568	1.626	6.6	1.684	1.744
1.592	1.650	6.7	1.710	1.770
1.616	1.675	6.8	1.735	1.797
1.639	1.699	6.9	1.761	1.823
1.663	1.724	7.0	1.786	1.849
1.687	1.749	7.1	1.812	1.876
1.711	1.773	7.2	1.837	1.902
1.734	1.798	7.3	1.863	1.929
1.758	1.823	7.4	1.888	1.955
1.782	1.847	7.5	1.914	1.982
1.806	1.872	7.6	1.939	2.008
1.829	1.897	7.7	1.965	2.034
1.853	1.921	7.8	1.990	2.061
1.877	1.946	7.9	2.016	2.087
1.901	1.970	8.0	2.041	2.114
1.924	1.995	8.1	2.067	2.140
1.948	2.020	8.2	2.092	2.167
1.972	2.044	8.3	2.118	2.193
1.996	2.069	8.4	2.143	2.219
2.019	2.094	8.5	2.169	2.246
2.043	2.118	8.6	2.195	2.272
2.067	2.143	8.7	2.220	2.299
2.091	2.167	8.8	2.246	2.325
2.114	2.192	8.9	2.271	2.351
2.138	2.217	9.0	2.297	2.378
2.162	2.241	9.1	2.322	2.404
2.186	2.266	9.2	2.348	2.431
2.210	2.291	9.3	2.373	2.457
2.233	2.315	9.4	2.399	2.484
2.257	2.340	9.5	2.424	2.510
2.281	2.364	9.6	2.450	2.536
2.305	2.389	9.7	2.475	2.563
2.328	2.414	9.8	2.501	2.589
2.352	2.438	9.9	2.526	2.616
2.376	2.463	10.0	2.552	2.642

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
5 9	6 0		6 1	6 2
0.273	0.283	1.0	0.292	0.302
0.301	0.311	1.1	0.321	0.332
0.328	0.339	1.2	0.351	0.362
0.355	0.368	1.3	0.380	0.392
0.383	0.396	1.4	0.409	0.423
0.410	0.424	1.5	0.438	0.453
0.437	0.452	1.6	0.468	0.483
0.465	0.481	1.7	0.497	0.513
0.492	0.509	1.8	0.526	0.543
0.519	0.537	1.9	0.555	0.574
0.547	0.565	2.0	0.584	0.604
0.574	0.594	2.1	0.614	0.634
0.601	0.622	2.2	0.643	0.664
0.629	0.650	2.3	0.672	0.694
0.656	0.679	2.4	0.701	0.725
0.683	0.707	2.5	0.731	0.755
0.711	0.735	2.6	0.760	0.785
0.738	0.763	2.7	0.789	0.815
0.766	0.792	2.8	0.818	0.845
0.793	0.820	2.9	0.848	0.876
0.820	0.848	3.0	0.877	0.906
0.848	0.877	3.1	0.906	0.936
0.875	0.905	3.2	0.935	0.966
0.902	0.933	3.3	0.964	0.996
0.930	0.961	3.4	0.994	1.026
0.957	0.990	3.5	1.023	1.057
0.984	1.018	3.6	1.052	1.087
1.012	1.046	3.7	1.081	1.117
1.039	1.074	3.8	1.111	1.147
1.066	1.103	3.9	1.140	1.177
1.094	1.131	4.0	1.169	1.208
1.121	1.159	4.1	1.198	1.238
1.148	1.188	4.2	1.227	1.268
1.176	1.216	4.3	1.257	1.298
1.203	1.244	4.4	1.286	1.328
1.230	1.272	4.5	1.315	1.359
1.258	1.301	4.6	1.344	1.389
1.285	1.329	4.7	1.374	1.419
1.312	1.357	4.8	1.403	1.449
1.340	1.385	4.9	1.432	1.479
1.367	1.414	5.0	1.461	1.510
1.394	1.442	5.1	1.490	1.540
1.422	1.470	5.2	1.520	1.570
1.449	1.499	5.3	1.549	1.600
1.476	1.527	5.4	1.578	1.630

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
59	60		61	62
1.504	1.555	5.5	1.607	1.660
1.531	1.583	5.6	1.637	1.691
1.558	1.612	5.7	1.666	1.721
1.586	1.640	5.8	1.695	1.751
1.613	1.668	5.9	1.724	1.781
1.640	1.696	6.0	1.753	1.811
1.668	1.725	6.1	1.783	1.842
1.695	1.753	6.2	1.812	1.872
1.722	1.781	6.3	1.841	1.902
1.750	1.810	6.4	1.870	1.932
1.777	1.838	6.5	1.900	1.962
1.804	1.866	6.6	1.929	1.993
1.832	1.894	6.7	1.958	2.023
1.859	1.923	6.8	1.987	2.053
1.886	1.951	6.9	2.017	2.083
1.914	1.979	7.0	2.046	2.113
1.941	2.007	7.1	2.075	2.144
1.968	2.036	7.2	2.104	2.174
1.996	2.064	7.3	2.133	2.204
2.023	2.092	7.4	2.163	2.234
2.050	2.121	7.5	2.192	2.264
2.078	2.149	7.6	2.221	2.294
2.105	2.177	7.7	2.250	2.325
2.132	2.205	7.8	2.280	2.355
2.160	2.234	7.9	2.309	2.385
2.187	2.262	8.0	2.338	2.415
2.215	2.290	8.1	2.367	2.445
2.242	2.318	8.2	2.396	2.476
2.269	2.347	8.3	2.426	2.506
2.297	2.375	8.4	2.455	2.536
2.324	2.403	8.5	2.484	2.566
2.351	2.432	8.6	2.513	2.596
2.379	2.460	8.7	2.543	2.627
2.406	2.488	8.8	2.572	2.657
2.433	2.516	8.9	2.601	2.687
2.461	2.545	9.0	2.630	2.717
2.488	2.573	9.1	2.659	2.747
2.515	2.601	9.2	2.689	2.778
2.543	2.630	9.3	2.718	2.808
2.570	2.658	9.4	2.747	2.838
2.597	2.686	9.5	2.776	2.868
2.625	2.714	9.6	2.806	2.898
2.652	2.743	9.7	2.835	2.928
2.679	2.771	9.8	2.864	2.959
2.707	2.799	9.9	2.893	2.989
2.734	2.827	10.0	2.922	3.019

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
6 3	6 4		6 5	6 6
0.312	0.322	1.0	0.332	0.342
0.343	0.354	1.1	0.365	0.376
0.374	0.386	1.2	0.398	0.411
0.405	0.418	1.3	0.431	0.445
0.436	0.450	1.4	0.465	0.479
0.468	0.483	1.5	0.498	0.513
0.499	0.515	1.6	0.531	0.547
0.530	0.547	1.7	0.564	0.582
0.561	0.579	1.8	0.597	0.616
0.592	0.611	1.9	0.630	0.650
0.623	0.643	2.0	0.664	0.684
0.655	0.676	2.1	0.697	0.718
0.686	0.708	2.2	0.730	0.753
0.717	0.740	2.3	0.763	0.787
0.748	0.772	2.4	0.796	0.821
0.779	0.804	2.5	0.830	0.855
0.810	0.836	2.6	0.863	0.890
0.842	0.869	2.7	0.896	0.924
0.873	0.901	2.8	0.929	0.958
0.904	0.933	2.9	0.962	0.992
0.935	0.965	3.0	0.995	1.026
0.966	0.997	3.1	1.029	1.061
0.998	1.029	3.2	1.062	1.095
1.029	1.062	3.3	1.095	1.129
1.060	1.094	3.4	1.128	1.163
1.091	1.126	3.5	1.161	1.197
1.122	1.158	3.6	1.195	1.232
1.153	1.190	3.7	1.228	1.266
1.185	1.222	3.8	1.261	1.300
1.216	1.255	3.9	1.294	1.334
1.247	1.287	4.0	1.327	1.368
1.278	1.319	4.1	1.361	1.403
1.309	1.351	4.2	1.394	1.437
1.340	1.383	4.3	1.427	1.471
1.372	1.415	4.4	1.460	1.505
1.403	1.448	4.5	1.493	1.540
1.434	1.480	4.6	1.526	1.574
1.465	1.512	4.7	1.560	1.608
1.496	1.544	4.8	1.593	1.642
1.527	1.576	4.9	1.626	1.676
1.559	1.608	5.0	1.659	1.711
1.590	1.641	5.1	1.692	1.745
1.621	1.673	5.2	1.726	1.779
1.652	1.705	5.3	1.759	1.813
1.683	1.737	5.4	1.792	1.847

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
63	64		65	66
1.714	1.769	5.5	1.825	1.882
1.746	1.802	5.6	1.858	1.916
1.777	1.834	5.7	1.891	1.950
1.808	1.866	5.8	1.925	1.984
1.839	1.898	5.9	1.958	2.019
1.870	1.930	6.0	1.991	2.053
1.902	1.962	6.1	2.024	2.087
1.933	1.995	6.2	2.057	2.121
1.964	2.027	6.3	2.091	2.155
1.995	2.059	6.4	2.124	2.190
2.026	2.091	6.5	2.157	2.224
2.057	2.123	6.6	2.190	2.258
2.089	2.155	6.7	2.223	2.292
2.120	2.188	6.8	2.256	2.326
2.151	2.220	6.9	2.290	2.361
2.182	2.252	7.0	2.323	2.395
2.213	2.284	7.1	2.356	2.429
2.244	2.316	7.2	2.389	2.463
2.276	2.348	7.3	2.422	2.497
2.307	2.381	7.4	2.456	2.532
2.338	2.413	7.5	2.489	2.566
2.369	2.445	7.6	2.522	2.600
2.400	2.477	7.7	2.555	2.634
2.431	2.509	7.8	2.588	2.669
2.463	2.541	7.9	2.621	2.703
2.494	2.574	8.0	2.655	2.737
2.525	2.606	8.1	2.688	2.771
2.556	2.638	8.2	2.721	2.805
2.587	2.670	8.3	2.754	2.840
2.618	2.702	8.4	2.787	2.874
2.650	2.734	8.5	2.821	2.908
2.681	2.767	8.6	2.854	2.942
2.712	2.799	8.7	2.887	2.976
2.743	2.831	8.8	2.920	3.011
2.774	2.863	8.9	2.953	3.045
2.806	2.895	9.0	2.986	3.079
2.837	2.927	9.1	3.020	3.113
2.868	2.960	9.2	3.053	3.147
2.899	2.992	9.3	3.086	3.182
2.930	3.024	9.4	3.119	3.216
2.961	3.056	9.5	3.152	3.250
2.993	3.088	9.6	3.186	3.284
3.024	3.120	9.7	3.219	3.319
3.055	3.153	9.8	3.252	3.353
3.086	3.185	9.9	3.285	3.387
3.117	3.217	10.0	3.318	3.421

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
67	68		69	70
0.353	0.363	1.0	0.374	0.385
0.388	0.399	1.1	0.411	0.423
0.423	0.436	1.2	0.449	0.462
0.458	0.472	1.3	0.486	0.500
0.494	0.508	1.4	0.523	0.539
0.529	0.545	1.5	0.561	0.577
0.564	0.581	1.6	0.598	0.616
0.599	0.617	1.7	0.636	0.654
0.635	0.654	1.8	0.673	0.693
0.670	0.690	1.9	0.710	0.731
0.705	0.726	2.0	0.748	0.770
0.740	0.763	2.1	0.785	0.808
0.776	0.799	2.2	0.823	0.847
0.811	0.835	2.3	0.860	0.885
0.846	0.872	2.4	0.897	0.924
0.881	0.908	2.5	0.935	0.962
0.917	0.944	2.6	0.972	1.001
0.952	0.981	2.7	1.010	1.039
0.987	1.017	2.8	1.047	1.078
1.022	1.053	2.9	1.084	1.116
1.058	1.090	3.0	1.122	1.155
1.093	1.126	3.1	1.159	1.193
1.128	1.162	3.2	1.197	1.232
1.163	1.198	3.3	1.234	1.270
1.199	1.235	3.4	1.271	1.308
1.234	1.271	3.5	1.309	1.347
1.269	1.307	3.6	1.346	1.385
1.304	1.344	3.7	1.384	1.424
1.340	1.380	3.8	1.421	1.462
1.375	1.416	3.9	1.458	1.501
1.410	1.453	4.0	1.496	1.539
1.446	1.489	4.1	1.533	1.578
1.481	1.525	4.2	1.570	1.616
1.516	1.562	4.3	1.608	1.655
1.551	1.598	4.4	1.645	1.693
1.587	1.634	4.5	1.683	1.732
1.622	1.671	4.6	1.720	1.770
1.657	1.707	4.7	1.757	1.809
1.692	1.743	4.8	1.795	1.847
1.728	1.780	4.9	1.832	1.886
1.763	1.816	5.0	1.870	1.924
1.798	1.852	5.1	1.907	1.963
1.833	1.888	5.2	1.944	2.001
1.869	1.925	5.3	1.982	2.040
1.904	1.961	5.4	2.019	2.078

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
67	68		69	70
1.939	1.997	5.5	2.057	2.117
1.974	2.034	5.6	2.094	2.155
2.010	2.070	5.7	2.131	2.194
2.045	2.106	5.8	2.169	2.232
2.080	2.143	5.9	2.206	2.271
2.115	2.179	6.0	2.244	2.309
2.151	2.215	6.1	2.281	2.348
2.186	2.252	6.2	2.318	2.386
2.221	2.288	6.3	2.356	2.425
2.256	2.324	6.4	2.393	2.463
2.292	2.361	6.5	2.431	2.501
2.327	2.397	6.6	2.468	2.540
2.362	2.433	6.7	2.505	2.578
2.397	2.470	6.8	2.543	2.617
2.433	2.506	6.9	2.580	2.655
2.468	2.542	7.0	2.617	2.694
2.503	2.578	7.1	2.655	2.732
2.538	2.615	7.2	2.692	2.771
2.574	2.651	7.3	2.730	2.809
2.609	2.687	7.4	2.767	2.848
2.644	2.724	7.5	2.804	2.886
2.679	2.760	7.6	2.842	2.925
2.715	2.796	7.7	2.879	2.963
2.750	2.833	7.8	2.917	3.002
2.785	2.869	7.9	2.954	3.040
2.821	2.905	8.0	2.991	3.079
2.856	2.942	8.1	3.029	3.117
2.891	2.978	8.2	3.066	3.156
2.926	3.014	8.3	3.104	3.194
2.962	3.051	8.4	3.141	3.233
2.997	3.087	8.5	3.178	3.271
3.032	3.123	8.6	3.216	3.310
3.067	3.160	8.7	3.253	3.348
3.103	3.196	8.8	3.291	3.387
3.138	3.232	8.9	3.328	3.425
3.173	3.269	9.0	3.365	3.464
3.208	3.305	9.1	3.403	3.502
3.244	3.341	9.2	3.440	3.541
3.279	3.377	9.3	3.478	3.579
3.314	3.414	9.4	3.515	3.618
3.349	3.450	9.5	3.552	3.656
3.385	3.486	9.6	3.590	3.695
3.420	3.523	9.7	3.627	3.733
3.455	3.559	9.8	3.664	3.771
3.490	3.595	9.9	3.702	3.810
3.526	3.632	10.0	3.739	3.848

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
71	72		73	74
0.396	0.407	1.0	0.419	0.430
0.436	0.448	1.1	0.460	0.473
0.475	0.489	1.2	0.502	0.516
0.515	0.529	1.3	0.544	0.559
0.554	0.570	1.4	0.586	0.602
0.594	0.611	1.5	0.628	0.645
0.633	0.651	1.6	0.670	0.688
0.673	0.692	1.7	0.712	0.731
0.713	0.733	1.8	0.753	0.774
0.752	0.774	1.9	0.795	0.817
0.792	0.814	2.0	0.837	0.860
0.831	0.855	2.1	0.879	0.903
0.871	0.896	2.2	0.921	0.946
0.911	0.936	2.3	0.963	0.989
0.950	0.977	2.4	1.004	1.032
0.990	1.018	2.5	1.046	1.075
1.029	1.059	2.6	1.088	1.118
1.069	1.099	2.7	1.130	1.161
1.109	1.140	2.8	1.172	1.204
1.148	1.181	2.9	1.214	1.247
1.188	1.221	3.0	1.256	1.290
1.227	1.262	3.1	1.297	1.333
1.267	1.303	3.2	1.339	1.376
1.307	1.344	3.3	1.381	1.419
1.346	1.384	3.4	1.423	1.462
1.386	1.425	3.5	1.465	1.505
1.425	1.466	3.6	1.507	1.548
1.465	1.506	3.7	1.549	1.591
1.504	1.547	3.8	1.590	1.634
1.544	1.588	3.9	1.632	1.677
1.584	1.629	4.0	1.674	1.720
1.623	1.669	4.1	1.716	1.763
1.663	1.710	4.2	1.758	1.806
1.702	1.751	4.3	1.800	1.849
1.742	1.791	4.4	1.842	1.892
1.782	1.832	4.5	1.883	1.935
1.821	1.873	4.6	1.925	1.978
1.861	1.914	4.7	1.967	2.021
1.900	1.954	4.8	2.009	2.064
1.940	1.995	4.9	2.051	2.107
1.980	2.036	5.0	2.093	2.150
2.019	2.076	5.1	2.135	2.193
2.059	2.117	5.2	2.176	2.236
2.098	2.158	5.3	2.218	2.279
2.138	2.199	5.4	2.260	2.322

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
71	72		73	74
2.178	2.239	5.5	2.302	2.365
2.217	2.280	5.6	2.344	2.408
2.257	2.321	5.7	2.386	2.451
2.296	2.361	5.8	2.428	2.494
2.336	2.402	5.9	2.469	2.537
2.376	2.443	6.0	2.511	2.581
2.415	2.484	6.1	2.553	2.624
2.455	2.524	6.2	2.595	2.667
2.494	2.565	6.3	2.637	2.710
2.534	2.606	6.4	2.679	2.753
2.573	2.646	6.5	2.721	2.796
2.613	2.687	6.6	2.762	2.839
2.653	2.728	6.7	2.804	2.882
2.692	2.769	6.8	2.846	2.925
2.732	2.809	6.9	2.888	2.968
2.771	2.850	7.0	2.930	3.011
2.811	2.891	7.1	2.972	3.054
2.851	2.931	7.2	3.013	3.097
2.890	2.972	7.3	3.055	3.140
2.930	3.013	7.4	3.097	3.183
2.969	3.054	7.5	3.139	3.226
3.009	3.094	7.6	3.181	3.269
3.049	3.135	7.7	3.223	3.312
3.088	3.176	7.8	3.265	3.355
3.128	3.216	7.9	3.306	3.398
3.167	3.257	8.0	3.348	3.441
3.207	3.298	8.1	3.390	3.484
3.247	3.339	8.2	3.432	3.527
3.286	3.379	8.3	3.474	3.570
3.326	3.420	8.4	3.516	3.613
3.365	3.461	8.5	3.558	3.656
3.405	3.501	8.6	3.599	3.699
3.444	3.542	8.7	3.641	3.742
3.484	3.583	8.8	3.683	3.785
3.524	3.624	8.9	3.725	3.828
3.563	3.664	9.0	3.767	3.871
3.603	3.705	9.1	3.809	3.914
3.642	3.746	9.2	3.851	3.957
3.682	3.786	9.3	3.892	4.000
3.722	3.827	9.4	3.934	4.043
3.761	3.868	9.5	3.976	4.086
3.801	3.909	9.6	4.018	4.129
3.840	3.949	9.7	4.060	4.172
3.880	3.990	9.8	4.102	4.215
3.920	4.031	9.9	4.144	4.258
3.959	4.072	10.0	4.185	4.301

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
75	76		77	78
0.442	0.454	1.0	0.466	0.478
0.486	0.499	1.1	0.512	0.526
0.530	0.544	1.2	0.559	0.573
0.574	0.590	1.3	0.605	0.621
0.619	0.635	1.4	0.652	0.669
0.663	0.680	1.5	0.698	0.717
0.707	0.726	1.6	0.745	0.765
0.751	0.771	1.7	0.792	0.812
0.795	0.817	1.8	0.838	0.860
0.839	0.862	1.9	0.885	0.908
0.884	0.907	2.0	0.931	0.956
0.928	0.953	2.1	0.978	1.003
0.972	0.998	2.2	1.024	1.051
1.016	1.043	2.3	1.071	1.099
1.060	1.089	2.4	1.118	1.147
1.104	1.134	2.5	1.164	1.195
1.149	1.179	2.6	1.211	1.242
1.193	1.225	2.7	1.257	1.290
1.237	1.270	2.8	1.304	1.338
1.281	1.316	2.9	1.350	1.386
1.325	1.361	3.0	1.397	1.434
1.370	1.406	3.1	1.444	1.481
1.414	1.452	3.2	1.490	1.529
1.458	1.497	3.3	1.537	1.577
1.502	1.542	3.4	1.583	1.625
1.546	1.588	3.5	1.630	1.672
1.590	1.633	3.6	1.676	1.720
1.635	1.678	3.7	1.723	1.768
1.679	1.724	3.8	1.770	1.816
1.723	1.769	3.9	1.816	1.864
1.767	1.815	4.0	1.863	1.911
1.811	1.860	4.1	1.909	1.959
1.856	1.905	4.2	1.956	2.007
1.900	1.951	4.3	2.002	2.055
1.944	1.996	4.4	2.049	2.102
1.988	2.041	4.5	2.095	2.150
2.032	2.087	4.6	2.142	2.198
2.076	2.132	4.7	2.189	2.246
2.121	2.177	4.8	2.235	2.294
2.165	2.223	4.9	2.282	2.341
2.209	2.268	5.0	2.328	2.389
2.253	2.314	5.1	2.375	2.437
2.297	2.359	5.2	2.421	2.485
2.341	2.404	5.3	2.468	2.533
2.386	2.450	5.4	2.515	2.580

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
75	76		77	78
2.430	2.495	5.5	2.561	2.628
2.474	2.540	5.6	2.608	2.676
2.518	2.586	5.7	2.654	2.724
2.562	2.631	5.8	2.701	2.771
2.607	2.677	5.9	2.747	2.819
2.651	2.722	6.0	2.794	2.867
2.695	2.767	6.1	2.841	2.915
2.739	2.813	6.2	2.887	2.963
2.783	2.858	6.3	2.934	3.010
2.827	2.903	6.4	2.980	3.058
2.872	2.949	6.5	3.027	3.106
2.916	2.994	6.6	3.073	3.154
2.960	3.039	6.7	3.120	3.202
3.004	3.085	6.8	3.167	3.249
3.048	3.130	6.9	3.213	3.297
3.093	3.176	7.0	3.260	3.345
3.137	3.221	7.1	3.306	3.393
3.181	3.266	7.2	3.353	3.440
3.225	3.312	7.3	3.399	3.488
3.269	3.357	7.4	3.446	3.536
3.313	3.402	7.5	3.492	3.584
3.358	3.448	7.6	3.539	3.632
3.402	3.493	7.7	3.586	3.679
3.446	3.538	7.8	3.632	3.727
3.490	3.584	7.9	3.679	3.775
3.534	3.629	8.0	3.725	3.823
3.578	3.675	8.1	3.772	3.870
3.623	3.720	8.2	3.818	3.918
3.667	3.765	8.3	3.865	3.966
3.711	3.811	8.4	3.912	4.014
3.755	3.856	8.5	3.958	4.062
3.799	3.901	8.6	4.005	4.109
3.844	3.947	8.7	4.051	4.157
3.888	3.992	8.8	4.098	4.205
3.932	4.037	8.9	4.144	4.253
3.976	4.083	9.0	4.191	4.301
4.020	4.128	9.1	4.238	4.348
4.064	4.174	9.2	4.284	4.396
4.109	4.219	9.3	4.331	4.444
4.153	4.264	9.4	4.377	4.492
4.197	4.310	9.5	4.424	4.539
4.241	4.355	9.6	4.470	4.587
4.285	4.400	9.7	4.517	4.635
4.330	4.446	9.8	4.563	4.683
4.374	4.491	9.9	4.610	4.731
4.418	4.536	10.0	4.657	4.778

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
7 9	8 0		8 1	8 2
0.490	0.503	1.0	0.515	0.528
0.539	0.553	1.1	0.567	0.581
0.588	0.603	1.2	0.618	0.634
0.637	0.653	1.3	0.670	0.687
0.686	0.704	1.4	0.721	0.739
0.735	0.754	1.5	0.773	0.792
0.784	0.804	1.6	0.824	0.845
0.833	0.855	1.7	0.876	0.898
0.882	0.905	1.8	0.928	0.951
0.931	0.955	1.9	0.979	1.003
0.980	1.005	2.0	1.031	1.056
1.029	1.056	2.1	1.082	1.109
1.078	1.106	2.2	1.134	1.162
1.127	1.156	2.3	1.185	1.215
1.176	1.206	2.4	1.237	1.267
1.225	1.257	2.5	1.288	1.320
1.274	1.307	2.6	1.340	1.373
1.323	1.357	2.7	1.391	1.426
1.372	1.407	2.8	1.443	1.479
1.421	1.458	2.9	1.494	1.531
1.470	1.508	3.0	1.546	1.584
1.520	1.558	3.1	1.597	1.637
1.569	1.608	3.2	1.649	1.690
1.618	1.659	3.3	1.700	1.743
1.667	1.709	3.4	1.752	1.796
1.716	1.759	3.5	1.804	1.848
1.765	1.810	3.6	1.855	1.901
1.814	1.860	3.7	1.907	1.954
1.863	1.910	3.8	1.958	2.007
1.912	1.960	3.9	2.010	2.060
1.961	2.011	4.0	2.061	2.112
2.010	2.061	4.1	2.113	2.165
2.059	2.111	4.2	2.164	2.218
2.108	2.161	4.3	2.216	2.271
2.157	2.212	4.4	2.267	2.324
2.206	2.262	4.5	2.319	2.376
2.255	2.312	4.6	2.370	2.429
2.304	2.362	4.7	2.422	2.482
2.353	2.413	4.8	2.473	2.535
2.402	2.463	4.9	2.525	2.588
2.451	2.513	5.0	2.576	2.641
2.500	2.564	5.1	2.628	2.693
2.549	2.614	5.2	2.680	2.746
2.598	2.664	5.3	2.731	2.799
2.647	2.714	5.4	2.783	2.852

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
79	80		81	82
2.696	2.765	5.5	2.834	2.905
2.745	2.815	5.6	2.886	2.957
2.794	2.865	5.7	2.937	3.010
2.843	2.915	5.8	2.989	3.063
2.892	2.966	5.9	3.040	3.116
2.941	3.016	6.0	3.092	3.169
2.990	3.066	6.1	3.143	3.221
3.039	3.116	6.2	3.195	3.274
3.088	3.167	6.3	3.246	3.327
3.137	3.217	6.4	3.298	3.380
3.186	3.267	6.5	3.349	3.433
3.235	3.318	6.6	3.401	3.485
3.284	3.368	6.7	3.453	3.538
3.333	3.418	6.8	3.504	3.591
3.382	3.468	6.9	3.556	3.644
3.431	3.519	7.0	3.607	3.697
3.480	3.569	7.1	3.659	3.750
3.529	3.619	7.2	3.710	3.802
3.578	3.669	7.3	3.762	3.855
3.627	3.720	7.4	3.813	3.908
3.676	3.770	7.5	3.865	3.961
3.725	3.820	7.6	3.916	4.014
3.774	3.870	7.7	3.968	4.066
3.823	3.921	7.8	4.019	4.119
3.872	3.971	7.9	4.071	4.172
3.921	4.021	8.0	4.122	4.225
3.970	4.072	8.1	4.174	4.278
4.019	4.122	8.2	4.225	4.330
4.068	4.172	8.3	4.277	4.383
4.117	4.222	8.4	4.329	4.436
4.166	4.273	8.5	4.380	4.489
4.215	4.323	8.6	4.432	4.542
4.264	4.373	8.7	4.483	4.594
4.313	4.423	8.8	4.535	4.647
4.362	4.474	8.9	4.586	4.700
4.411	4.524	9.0	4.638	4.753
4.461	4.574	9.1	4.689	4.806
4.510	4.624	9.2	4.741	4.859
4.559	4.675	9.3	4.792	4.911
4.608	4.725	9.4	4.844	4.964
4.657	4.775	9.5	4.895	5.017
4.706	4.825	9.6	4.947	5.070
4.755	4.876	9.7	4.998	5.123
4.804	4.926	9.8	5.050	5.175
4.853	4.976	9.9	5.101	5.228
4.902	5.027	10.0	5.153	5.281

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
83	84		85	86
0.541	0.554	1.0	0.567	0.581
0.595	0.610	1.1	0.624	0.639
0.649	0.665	1.2	0.681	0.697
0.703	0.720	1.3	0.738	0.755
0.757	0.776	1.4	0.794	0.813
0.812	0.831	1.5	0.851	0.871
0.866	0.887	1.6	0.908	0.929
0.920	0.942	1.7	0.965	0.987
0.974	0.998	1.8	1.021	1.046
1.028	1.053	1.9	1.078	1.104
1.082	1.108	2.0	1.135	1.162
1.136	1.164	2.1	1.192	1.220
1.190	1.219	2.2	1.248	1.278
1.244	1.275	2.3	1.305	1.336
1.299	1.330	2.4	1.362	1.394
1.353	1.385	2.5	1.419	1.452
1.407	1.441	2.6	1.475	1.510
1.461	1.496	2.7	1.532	1.568
1.515	1.552	2.8	1.589	1.626
1.569	1.607	2.9	1.646	1.685
1.623	1.663	3.0	1.702	1.743
1.677	1.718	3.1	1.759	1.801
1.731	1.773	3.2	1.816	1.859
1.785	1.829	3.3	1.873	1.917
1.840	1.884	3.4	1.929	1.975
1.894	1.940	3.5	1.986	2.033
1.948	1.995	3.6	2.043	2.091
2.002	2.050	3.7	2.100	2.149
2.056	2.106	3.8	2.156	2.207
2.110	2.161	3.9	2.213	2.265
2.164	2.217	4.0	2.270	2.324
2.218	2.272	4.1	2.327	2.382
2.272	2.328	4.2	2.383	2.440
2.327	2.383	4.3	2.440	2.498
2.381	2.438	4.4	2.497	2.556
2.435	2.494	4.5	2.554	2.614
2.489	2.549	4.6	2.610	2.672
2.543	2.605	4.7	2.667	2.730
2.597	2.660	4.8	2.724	2.788
2.651	2.715	4.9	2.781	2.846
2.705	2.771	5.0	2.837	2.904
2.759	2.826	5.1	2.894	2.962
2.814	2.882	5.2	2.951	3.021
2.868	2.937	5.3	3.007	3.079
2.922	2.993	5.4	3.064	3.137

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
83	84		85	86
2.976	3.048	5.5	3.121	3.195
3.030	3.103	5.6	3.178	3.253
3.084	3.159	5.7	3.234	3.311
3.138	3.214	5.8	3.291	3.369
3.192	3.270	5.9	3.348	3.427
3.246	3.325	6.0	3.405	3.485
3.300	3.380	6.1	3.461	3.543
3.355	3.436	6.2	3.518	3.601
3.409	3.491	6.3	3.575	3.660
3.463	3.547	6.4	3.632	3.718
3.517	3.602	6.5	3.688	3.776
3.571	3.658	6.6	3.745	3.834
3.625	3.713	6.7	3.802	3.892
3.679	3.768	6.8	3.859	3.950
3.733	3.824	6.9	3.915	4.008
3.787	3.879	7.0	3.972	4.066
3.842	3.935	7.1	4.029	4.124
3.896	3.990	7.2	4.086	4.182
3.950	4.045	7.3	4.142	4.240
4.004	4.101	7.4	4.199	4.299
4.058	4.156	7.5	4.256	4.357
4.112	4.212	7.6	4.313	4.415
4.166	4.267	7.7	4.369	4.473
4.220	4.323	7.8	4.426	4.531
4.274	4.378	7.9	4.483	4.589
4.328	4.433	8.0	4.540	4.647
4.383	4.489	8.1	4.596	4.705
4.437	4.544	8.2	4.653	4.763
4.491	4.600	8.3	4.710	4.821
4.545	4.655	8.4	4.767	4.879
4.599	4.711	8.5	4.823	4.937
4.653	4.766	8.6	4.880	4.996
4.707	4.821	8.7	4.937	5.054
4.761	4.877	8.8	4.994	5.112
4.815	4.932	8.9	5.050	5.170
4.870	4.988	9.0	5.107	5.228
4.924	5.043	9.1	5.164	5.286
4.978	5.098	9.2	5.221	5.344
5.032	5.154	9.3	5.277	5.402
5.086	5.209	9.4	5.334	5.460
5.140	5.265	9.5	5.391	5.518
5.194	5.320	9.6	5.448	5.576
5.248	5.376	9.7	5.504	5.635
5.302	5.431	9.8	5.561	5.693
5.356	5.486	9.9	5.618	5.751
5.411	5.542	10.0	5.675	5.809

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
87	88		89	90
0.594	0.608	1.0	0.622	0.636
0.654	0.669	1.1	0.684	0.700
0.713	0.730	1.2	0.747	0.763
0.773	0.791	1.3	0.809	0.827
0.832	0.851	1.4	0.871	0.891
0.892	0.912	1.5	0.933	0.954
0.951	0.973	1.6	0.995	1.018
1.011	1.034	1.7	1.058	1.081
1.070	1.095	1.8	1.120	1.145
1.129	1.156	1.9	1.182	1.209
1.189	1.216	2.0	1.244	1.272
1.248	1.277	2.1	1.306	1.336
1.308	1.338	2.2	1.369	1.400
1.367	1.399	2.3	1.431	1.463
1.427	1.460	2.4	1.493	1.527
1.486	1.521	2.5	1.555	1.590
1.546	1.581	2.6	1.617	1.654
1.605	1.642	2.7	1.680	1.718
1.665	1.703	2.8	1.742	1.781
1.724	1.764	2.9	1.804	1.845
1.783	1.825	3.0	1.866	1.909
1.843	1.885	3.1	1.929	1.972
1.902	1.946	3.2	1.991	2.036
1.962	2.007	3.3	2.053	2.099
2.021	2.068	3.4	2.115	2.163
2.081	2.129	3.5	2.177	2.227
2.140	2.190	3.6	2.240	2.290
2.200	2.250	3.7	2.302	2.354
2.259	2.311	3.8	2.364	2.417
2.318	2.372	3.9	2.426	2.481
2.378	2.433	4.0	2.488	2.545
2.437	2.494	4.1	2.551	2.608
2.497	2.554	4.2	2.613	2.672
2.556	2.615	4.3	2.675	2.736
2.616	2.676	4.4	2.737	2.799
2.675	2.737	4.5	2.800	2.863
2.735	2.798	4.6	2.862	2.926
2.794	2.859	4.7	2.924	2.990
2.853	2.919	4.8	2.986	3.054
2.913	2.980	4.9	3.048	3.117
2.972	3.041	5.0	3.111	3.181
3.032	3.102	5.1	3.173	3.244
3.091	3.163	5.2	3.235	3.308
3.151	3.224	5.3	3.297	3.372
3.210	3.284	5.4	3.359	3.435

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
87	88		89	90
3.270	3.345	5.5	3.422	3.499
3.329	3.406	5.6	3.484	3.563
3.388	3.467	5.7	3.546	3.626
3.448	3.528	5.8	3.608	3.690
3.507	3.588	5.9	3.670	3.753
3.567	3.649	6.0	3.733	3.817
3.626	3.710	6.1	3.795	3.881
3.686	3.771	6.2	3.857	3.944
3.745	3.832	6.3	3.919	4.008
3.805	3.893	6.4	3.982	4.072
3.864	3.953	6.5	4.044	4.135
3.923	4.014	6.6	4.106	4.199
3.983	4.075	6.7	4.168	4.262
4.042	4.136	6.8	4.230	4.326
4.102	4.197	6.9	4.293	4.390
4.161	4.257	7.0	4.355	4.453
4.221	4.318	7.1	4.417	4.517
4.280	4.379	7.2	4.479	4.580
4.340	4.440	7.3	4.541	4.644
4.399	4.501	7.4	4.604	4.708
4.459	4.562	7.5	4.666	4.771
4.518	4.622	7.6	4.728	4.835
4.577	4.683	7.7	4.790	4.899
4.637	4.744	7.8	4.852	4.962
4.696	4.805	7.9	4.915	5.026
4.756	4.866	8.0	4.977	5.089
4.815	4.927	8.1	5.039	5.153
4.875	4.987	8.2	5.101	5.217
4.934	5.048	8.3	5.164	5.280
4.994	5.109	8.4	5.226	5.344
5.053	5.170	8.5	5.288	5.407
5.112	5.231	8.6	5.350	5.471
5.172	5.291	8.7	5.412	5.535
5.231	5.352	8.8	5.475	5.598
5.291	5.413	8.9	5.537	5.662
5.350	5.474	9.0	5.599	5.726
5.410	5.535	9.1	5.661	5.789
5.469	5.596	9.2	5.723	5.853
5.529	5.656	9.3	5.786	5.916
5.588	5.717	9.4	5.848	5.980
5.647	5.778	9.5	5.910	6.044
5.707	5.839	9.6	5.972	6.107
5.766	5.900	9.7	6.035	6.171
5.826	5.960	9.8	6.097	6.234
5.885	6.021	9.9	6.159	6.298
5.945	6.082	10.0	6.221	6.362

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
91	92		93	94
0.650	0.665	1.0	0.679	0.694
0.715	0.731	1.1	0.747	0.763
0.780	0.798	1.2	0.815	0.833
0.846	0.864	1.3	0.883	0.902
0.911	0.931	1.4	0.951	0.972
0.976	0.997	1.5	1.019	1.041
1.041	1.064	1.6	1.087	1.110
1.106	1.130	1.7	1.155	1.180
1.171	1.197	1.8	1.223	1.249
1.236	1.263	1.9	1.291	1.319
1.301	1.330	2.0	1.359	1.388
1.366	1.396	2.1	1.427	1.457
1.431	1.462	2.2	1.494	1.527
1.496	1.529	2.3	1.562	1.596
1.561	1.595	2.4	1.630	1.666
1.626	1.662	2.5	1.698	1.735
1.691	1.728	2.6	1.766	1.804
1.756	1.795	2.7	1.834	1.874
1.821	1.861	2.8	1.902	1.943
1.886	1.928	2.9	1.970	2.013
1.951	1.994	3.0	2.038	2.082
2.016	2.061	3.1	2.106	2.151
2.081	2.127	3.2	2.174	2.221
2.146	2.194	3.3	2.242	2.290
2.211	2.260	3.4	2.310	2.360
2.276	2.327	3.5	2.378	2.429
2.341	2.393	3.6	2.445	2.498
2.406	2.460	3.7	2.513	2.568
2.471	2.526	3.8	2.581	2.637
2.537	2.593	3.9	2.649	2.707
2.602	2.659	4.0	2.717	2.776
2.667	2.726	4.1	2.785	2.845
2.732	2.792	4.2	2.853	2.915
2.797	2.858	4.3	2.921	2.984
2.862	2.925	4.4	2.989	3.054
2.927	2.991	4.5	3.057	3.123
2.992	3.058	4.6	3.125	3.192
3.057	3.124	4.7	3.193	3.262
3.122	3.191	4.8	3.261	3.331
3.187	3.257	4.9	3.329	3.400
3.252	3.324	5.0	3.396	3.470
3.317	3.390	5.1	3.464	3.539
3.382	3.457	5.2	3.532	3.609
3.447	3.523	5.3	3.600	3.678
3.512	3.590	5.4	3.668	3.747

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
91	92		93	94
3.577	3.656	5.5	3.736	3.817
3.642	3.723	5.6	3.804	3.886
3.707	3.789	5.7	3.872	3.956
3.772	3.856	5.8	3.940	4.025
3.837	3.922	5.9	4.008	4.094
3.902	3.989	6.0	4.076	4.164
3.967	4.055	6.1	4.144	4.233
4.032	4.122	6.2	4.212	4.303
4.097	4.188	6.3	4.280	4.372
4.162	4.254	6.4	4.347	4.441
4.228	4.321	6.5	4.415	4.511
4.293	4.387	6.6	4.483	4.580
4.358	4.454	6.7	4.551	4.650
4.423	4.520	6.8	4.619	4.719
4.488	4.587	6.9	4.687	4.788
4.553	4.653	7.0	4.755	4.858
4.618	4.720	7.1	4.823	4.927
4.683	4.786	7.2	4.891	4.997
4.748	4.853	7.3	4.959	5.066
4.813	4.919	7.4	5.027	5.135
4.878	4.986	7.5	5.095	5.205
4.943	5.052	7.6	5.163	5.274
5.008	5.119	7.7	5.231	5.344
5.073	5.185	7.8	5.298	5.413
5.138	5.252	7.9	5.366	5.482
5.203	5.318	8.0	5.434	5.552
5.268	5.385	8.1	5.502	5.621
5.333	5.451	8.2	5.570	5.691
5.398	5.518	8.3	5.638	5.760
5.463	5.584	8.4	5.706	5.829
5.528	5.650	8.5	5.774	5.899
5.593	5.717	8.6	5.842	5.968
5.658	5.783	8.7	5.910	6.038
5.723	5.850	8.8	5.978	6.107
5.788	5.916	8.9	6.046	6.176
5.853	5.983	9.0	6.114	6.246
5.919	6.049	9.1	6.182	6.315
5.984	6.116	9.2	6.249	6.385
6.049	6.182	9.3	6.317	6.454
6.114	6.249	9.4	6.385	6.523
6.179	6.315	9.5	6.453	6.593
6.244	6.382	9.6	6.521	6.662
6.309	6.448	9.7	6.589	6.732
6.374	6.515	9.8	6.657	6.801
6.439	6.581	9.9	6.725	6.870
6.504	6.648	10.0	6.793	6.940

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
95	96		97	98
0.709	0.724	1.0	0.739	0.754
0.780	0.796	1.1	0.813	0.830
0.851	0.869	1.2	0.887	0.905
0.921	0.941	1.3	0.961	0.981
0.992	1.013	1.4	1.035	1.056
1.063	1.086	1.5	1.108	1.131
1.134	1.158	1.6	1.182	1.207
1.205	1.230	1.7	1.256	1.282
1.276	1.303	1.8	1.330	1.358
1.347	1.375	1.9	1.404	1.433
1.418	1.448	2.0	1.478	1.509
1.489	1.520	2.1	1.552	1.584
1.559	1.592	2.2	1.626	1.659
1.630	1.665	2.3	1.700	1.735
1.701	1.737	2.4	1.774	1.810
1.772	1.810	2.5	1.847	1.886
1.843	1.882	2.6	1.921	1.961
1.914	1.954	2.7	1.995	2.037
1.985	2.027	2.8	2.069	2.112
2.056	2.099	2.9	2.143	2.187
2.126	2.171	3.0	2.217	2.263
2.197	2.244	3.1	2.291	2.338
2.268	2.316	3.2	2.365	2.414
2.339	2.389	3.3	2.439	2.489
2.410	2.461	3.4	2.513	2.565
2.481	2.533	3.5	2.586	2.640
2.552	2.606	3.6	2.660	2.715
2.623	2.678	3.7	2.734	2.791
2.694	2.751	3.8	2.808	2.866
2.764	2.823	3.9	2.882	2.942
2.835	2.895	4.0	2.956	3.017
2.906	2.968	4.1	3.030	3.093
2.977	3.040	4.2	3.104	3.168
3.048	3.112	4.3	3.178	3.243
3.119	3.185	4.4	3.252	3.319
3.190	3.257	4.5	3.325	3.394
3.261	3.330	4.6	3.399	3.470
3.331	3.402	4.7	3.473	3.545
3.402	3.474	4.8	3.547	3.621
3.473	3.547	4.9	3.621	3.696
3.544	3.619	5.0	3.695	3.771
3.615	3.691	5.1	3.769	3.847
3.686	3.764	5.2	3.843	3.922
3.757	3.836	5.3	3.917	3.998
3.828	3.909	5.4	3.990	4.073

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
95	96		97	98
3.899	3.981	5.5	4.064	4.149
3.969	4.053	5.6	4.138	4.224
4.040	4.126	5.7	4.212	4.299
4.111	4.198	5.8	4.286	4.375
4.182	4.271	5.9	4.360	4.450
4.253	4.343	6.0	4.434	4.526
4.324	4.415	6.1	4.508	4.601
4.395	4.488	6.2	4.582	4.677
4.466	4.560	6.3	4.656	4.752
4.536	4.632	6.4	4.729	4.827
4.607	4.705	6.5	4.803	4.903
4.678	4.777	6.6	4.877	4.978
4.749	4.850	6.7	4.951	5.054
4.820	4.922	6.8	5.025	5.129
4.891	4.994	6.9	5.099	5.205
4.962	5.067	7.0	5.173	5.280
5.033	5.139	7.1	5.247	5.356
5.104	5.212	7.2	5.321	5.431
5.174	5.284	7.3	5.395	5.506
5.245	5.356	7.4	5.468	5.582
5.316	5.429	7.5	5.542	5.657
5.387	5.501	7.6	5.616	5.733
5.458	5.573	7.7	5.690	5.808
5.529	5.646	7.8	5.764	5.884
5.600	5.718	7.9	5.838	5.959
5.671	5.791	8.0	5.912	6.034
5.741	5.863	8.1	5.986	6.110
5.812	5.935	8.2	6.060	6.185
5.883	6.008	8.3	6.134	6.261
5.954	6.080	8.4	6.207	6.336
6.025	6.152	8.5	6.281	6.412
6.096	6.225	8.6	6.355	6.487
6.167	6.297	8.7	6.429	6.562
6.238	6.370	8.8	6.503	6.638
6.309	6.442	8.9	6.577	6.713
6.379	6.514	9.0	6.651	6.789
6.450	6.587	9.1	6.725	6.864
6.521	6.659	9.2	6.799	6.940
6.592	6.732	9.3	6.873	7.015
6.663	6.804	9.4	6.946	7.090
6.734	6.876	9.5	7.020	7.166
6.805	6.949	9.6	7.094	7.241
6.876	7.021	9.7	7.168	7.317
6.946	7.093	9.8	7.242	7.392
7.017	7.166	9.9	7.316	7.468
7.088	7.238	10.0	7.390	7.543

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
99	100		101	102
0.770	0.785	1.0	0.801	0.817
0.847	0.864	1.1	0.881	0.899
0.924	0.942	1.2	0.961	0.981
1.001	1.021	1.3	1.042	1.062
1.078	1.100	1.4	1.122	1.144
1.155	1.178	1.5	1.202	1.226
1.232	1.257	1.6	1.282	1.307
1.309	1.335	1.7	1.362	1.389
1.386	1.414	1.8	1.442	1.471
1.463	1.492	1.9	1.522	1.553
1.540	1.571	2.0	1.602	1.634
1.617	1.649	2.1	1.682	1.716
1.693	1.728	2.2	1.763	1.798
1.770	1.806	2.3	1.843	1.879
1.847	1.885	2.4	1.923	1.961
1.924	1.963	2.5	2.003	2.043
2.001	2.042	2.6	2.083	2.125
2.078	2.121	2.7	2.163	2.206
2.155	2.199	2.8	2.243	2.288
2.232	2.278	2.9	2.323	2.370
2.309	2.356	3.0	2.404	2.451
2.386	2.435	3.1	2.484	2.533
2.463	2.513	3.2	2.564	2.615
2.540	2.592	3.3	2.644	2.697
2.617	2.670	3.4	2.724	2.778
2.694	2.749	3.5	2.804	2.860
2.771	2.827	3.6	2.884	2.942
2.848	2.906	3.7	2.964	3.023
2.925	2.985	3.8	3.045	3.105
3.002	3.063	3.9	3.125	3.187
3.079	3.142	4.0	3.205	3.269
3.156	3.220	4.1	3.285	3.350
3.233	3.299	4.2	3.365	3.432
3.310	3.377	4.3	3.445	3.514
3.387	3.456	4.4	3.525	3.595
3.464	3.534	4.5	3.605	3.677
3.541	3.613	4.6	3.685	3.759
3.618	3.691	4.7	3.766	3.841
3.695	3.770	4.8	3.846	3.922
3.772	3.848	4.9	3.926	4.004
3.849	3.927	5.0	4.006	4.086
3.926	4.006	5.1	4.086	4.167
4.003	4.084	5.2	4.166	4.249
4.080	4.163	5.3	4.246	4.331
4.157	4.241	5.4	4.326	4.412

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
99	100		101	102
4.234	4.320	5.5	4.407	4.494
4.311	4.398	5.6	4.487	4.576
4.388	4.477	5.7	4.567	4.658
4.465	4.555	5.8	4.647	4.739
4.542	4.634	5.9	4.727	4.821
4.619	4.712	6.0	4.807	4.903
4.696	4.791	6.1	4.887	4.984
4.773	4.869	6.2	4.967	5.066
4.850	4.948	6.3	5.047	5.148
4.927	5.027	6.4	5.128	5.230
5.003	5.105	6.5	5.208	5.311
5.080	5.184	6.6	5.288	5.393
5.157	5.262	6.7	5.368	5.475
5.234	5.341	6.8	5.448	5.556
5.311	5.419	6.9	5.528	5.638
5.388	5.498	7.0	5.608	5.720
5.465	5.576	7.1	5.688	5.802
5.542	5.655	7.2	5.769	5.883
5.619	5.733	7.3	5.849	5.965
5.696	5.812	7.4	5.929	6.047
5.773	5.890	7.5	6.009	6.128
5.850	5.969	7.6	6.089	6.210
5.927	6.048	7.7	6.169	6.292
6.004	6.126	7.8	6.249	6.374
6.081	6.205	7.9	6.329	6.455
6.158	6.283	8.0	6.409	6.537
6.235	6.362	8.1	6.490	6.619
6.312	6.440	8.2	6.570	6.700
6.389	6.519	8.3	6.650	6.782
6.466	6.597	8.4	6.730	6.864
6.543	6.676	8.5	6.810	6.946
6.620	6.754	8.6	6.890	7.027
6.697	6.833	8.7	6.970	7.109
6.774	6.911	8.8	7.050	7.191
6.851	6.990	8.9	7.131	7.272
6.928	7.069	9.0	7.211	7.354
7.005	7.147	9.1	7.291	7.436
7.082	7.226	9.2	7.371	7.518
7.159	7.304	9.3	7.451	7.599
7.236	7.383	9.4	7.531	7.681
7.313	7.461	9.5	7.611	7.763
7.390	7.540	9.6	7.691	7.844
7.467	7.618	9.7	7.771	7.926
7.544	7.697	9.8	7.852	8.008
7.621	7.775	9.9	7.932	8.090
7.698	7.854	10.0	8.012	8.171

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
103	104		105	106
0.833	0.849	1.0	0.866	0.882
0.917	0.934	1.1	0.952	0.971
1.000	1.019	1.2	1.039	1.059
1.083	1.104	1.3	1.126	1.147
1.167	1.189	1.4	1.212	1.235
1.250	1.274	1.5	1.299	1.324
1.333	1.359	1.6	1.385	1.412
1.416	1.444	1.7	1.472	1.500
1.500	1.529	1.8	1.559	1.588
1.583	1.614	1.9	1.645	1.677
1.666	1.699	2.0	1.732	1.765
1.750	1.784	2.1	1.818	1.853
1.833	1.869	2.2	1.905	1.941
1.916	1.954	2.3	1.992	2.030
2.000	2.039	2.4	2.078	2.118
2.083	2.124	2.5	2.165	2.206
2.166	2.209	2.6	2.251	2.294
2.250	2.294	2.7	2.338	2.383
2.333	2.379	2.8	2.425	2.471
2.416	2.464	2.9	2.511	2.559
2.500	2.548	3.0	2.598	2.647
2.583	2.633	3.1	2.684	2.736
2.666	2.718	3.2	2.771	2.824
2.750	2.803	3.3	2.857	2.912
2.833	2.888	3.4	2.944	3.000
2.916	2.973	3.5	3.031	3.089
3.000	3.058	3.6	3.117	3.177
3.083	3.143	3.7	3.204	3.265
3.166	3.228	3.8	3.290	3.353
3.250	3.313	3.9	3.377	3.442
3.333	3.398	4.0	3.464	3.530
3.416	3.483	4.1	3.550	3.618
3.500	3.568	4.2	3.637	3.706
3.583	3.653	4.3	3.723	3.795
3.666	3.738	4.4	3.810	3.883
3.750	3.823	4.5	3.897	3.971
3.833	3.908	4.6	3.983	4.059
3.916	3.993	4.7	4.070	4.148
3.999	4.078	4.8	4.156	4.236
4.083	4.162	4.9	4.243	4.324
4.166	4.247	5.0	4.330	4.412
4.249	4.332	5.1	4.416	4.501
4.333	4.417	5.2	4.503	4.589
4.416	4.502	5.3	4.589	4.677
4.499	4.587	5.4	4.676	4.765

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
103	104		105	106
4.583	4.672	5.5	4.762	4.854
4.666	4.757	5.6	4.849	4.942
4.749	4.842	5.7	4.936	5.030
4.833	4.927	5.8	5.022	5.118
4.916	5.012	5.9	5.109	5.207
4.999	5.097	6.0	5.195	5.295
5.083	5.182	6.1	5.282	5.383
5.166	5.267	6.2	5.369	5.471
5.249	5.352	6.3	5.455	5.560
5.333	5.437	6.4	5.542	5.648
5.416	5.522	6.5	5.628	5.736
5.499	5.607	6.6	5.715	5.824
5.583	5.692	6.7	5.802	5.913
5.666	5.777	6.8	5.888	6.001
5.749	5.861	6.9	5.975	6.089
5.833	5.946	7.0	6.061	6.177
5.916	6.031	7.1	6.148	6.266
5.999	6.116	7.2	6.234	6.354
6.083	6.201	7.3	6.321	6.442
6.166	6.286	7.4	6.408	6.530
6.249	6.371	7.5	6.494	6.619
6.333	6.456	7.6	6.581	6.707
6.416	6.541	7.7	6.667	6.795
6.499	6.626	7.8	6.754	6.883
6.583	6.711	7.9	6.841	6.972
6.666	6.796	8.0	6.927	7.060
6.749	6.881	8.1	7.014	7.148
6.832	6.966	8.2	7.100	7.236
6.916	7.051	8.3	7.187	7.325
6.999	7.136	8.4	7.274	7.413
7.082	7.221	8.5	7.360	7.501
7.166	7.306	8.6	7.447	7.589
7.249	7.391	8.7	7.533	7.678
7.332	7.475	8.8	7.620	7.766
7.416	7.560	8.9	7.707	7.854
7.499	7.645	9.0	7.793	7.942
7.582	7.730	9.1	7.880	8.031
7.666	7.815	9.2	7.966	8.119
7.749	7.900	9.3	8.053	8.207
7.832	7.985	9.4	8.139	8.295
7.916	8.070	9.5	8.226	8.383
7.999	8.155	9.6	8.313	8.472
8.082	8.240	9.7	8.399	8.560
8.166	8.325	9.8	8.486	8.648
8.249	8.410	9.9	8.572	8.736
8.332	8.495	10.0	8.659	8.825

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
107	108		109	110
0.899	0.916	1.0	0.933	0.950
0.989	1.008	1.1	1.026	1.045
1.079	1.099	1.2	1.120	1.140
1.169	1.191	1.3	1.213	1.235
1.259	1.283	1.4	1.306	1.330
1.349	1.374	1.5	1.400	1.425
1.439	1.466	1.6	1.493	1.521
1.529	1.557	1.7	1.586	1.616
1.619	1.649	1.8	1.680	1.711
1.708	1.741	1.9	1.773	1.806
1.798	1.832	2.0	1.866	1.901
1.888	1.924	2.1	1.960	1.996
1.978	2.015	2.2	2.053	2.091
2.068	2.107	2.3	2.146	2.186
2.158	2.199	2.4	2.240	2.281
2.248	2.290	2.5	2.333	2.376
2.338	2.382	2.6	2.426	2.471
2.428	2.473	2.7	2.519	2.566
2.518	2.565	2.8	2.613	2.661
2.608	2.657	2.9	2.706	2.756
2.698	2.748	3.0	2.799	2.851
2.788	2.840	3.1	2.893	2.946
2.877	2.931	3.2	2.986	3.041
2.967	3.023	3.3	3.079	3.136
3.057	3.115	3.4	3.173	3.231
3.147	3.206	3.5	3.266	3.326
3.237	3.298	3.6	3.359	3.421
3.327	3.390	3.7	3.453	3.516
3.417	3.481	3.8	3.546	3.611
3.507	3.573	3.9	3.639	3.706
3.597	3.664	4.0	3.733	3.801
3.687	3.756	4.1	3.826	3.896
3.777	3.848	4.2	3.919	3.991
3.867	3.939	4.3	4.012	4.086
3.956	4.031	4.4	4.106	4.181
4.046	4.122	4.5	4.199	4.276
4.136	4.214	4.6	4.292	4.372
4.226	4.306	4.7	4.386	4.467
4.316	4.397	4.8	4.479	4.562
4.406	4.489	4.9	4.572	4.657
4.496	4.580	5.0	4.666	4.752
4.586	4.672	5.1	4.759	4.847
4.676	4.764	5.2	4.852	4.942
4.766	4.855	5.3	4.946	5.037
4.856	4.947	5.4	5.039	5.132

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
107	108		109	110
4.946	5.038	5.5	5.132	5.227
5.036	5.130	5.6	5.226	5.322
5.125	5.222	5.7	5.319	5.417
5.215	5.313	5.8	5.412	5.512
5.305	5.405	5.9	5.505	5.607
5.395	5.497	6.0	5.599	5.702
5.485	5.588	6.1	5.692	5.797
5.575	5.680	6.2	5.785	5.892
5.665	5.771	6.3	5.879	5.987
5.755	5.863	6.4	5.972	6.082
5.845	5.955	6.5	6.065	6.177
5.935	6.046	6.6	6.159	6.272
6.025	6.138	6.7	6.252	6.367
6.115	6.229	6.8	6.345	6.462
6.204	6.321	6.9	6.439	6.557
6.294	6.413	7.0	6.532	6.652
6.384	6.504	7.1	6.625	6.747
6.474	6.596	7.2	6.719	6.842
6.564	6.687	7.3	6.812	6.937
6.654	6.779	7.4	6.905	7.032
6.744	6.871	7.5	6.998	7.127
6.834	6.962	7.6	7.092	7.223
6.924	7.054	7.7	7.185	7.318
7.014	7.145	7.8	7.278	7.413
7.104	7.237	7.9	7.372	7.508
7.194	7.329	8.0	7.465	7.603
7.284	7.420	8.1	7.558	7.698
7.373	7.512	8.2	7.652	7.793
7.463	7.604	8.3	7.745	7.888
7.553	7.695	8.4	7.838	7.983
7.643	7.787	8.5	7.932	8.078
7.733	7.878	8.6	8.025	8.173
7.823	7.970	8.7	8.118	8.268
7.913	8.062	8.8	8.212	8.363
8.003	8.153	8.9	8.305	8.458
8.093	8.245	9.0	8.398	8.553
8.183	8.336	9.1	8.491	8.648
8.273	8.428	9.2	8.585	8.743
8.363	8.520	9.3	8.678	8.838
8.452	8.611	9.4	8.771	8.933
8.542	8.703	9.5	8.865	9.028
8.632	8.794	9.6	8.958	9.123
8.722	8.886	9.7	9.051	9.218
8.812	8.978	9.8	9.145	9.313
8.902	9.069	9.9	9.238	9.408
8.992	9.161	10.0	9.331	9.503

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
111	112		113	114
0.968	0.985	1.0	1.003	1.021
1.064	1.084	1.1	1.103	1.123
1.161	1.182	1.2	1.203	1.225
1.258	1.281	1.3	1.304	1.327
1.355	1.379	1.4	1.404	1.429
1.452	1.478	1.5	1.504	1.531
1.548	1.576	1.6	1.605	1.633
1.645	1.675	1.7	1.705	1.735
1.742	1.773	1.8	1.805	1.837
1.839	1.872	1.9	1.905	1.939
1.935	1.970	2.0	2.006	2.041
2.032	2.069	2.1	2.106	2.143
2.129	2.167	2.2	2.206	2.246
2.226	2.266	2.3	2.307	2.348
2.322	2.364	2.4	2.407	2.450
2.419	2.463	2.5	2.507	2.552
2.516	2.562	2.6	2.607	2.654
2.613	2.660	2.7	2.708	2.756
2.710	2.759	2.8	2.808	2.858
2.806	2.857	2.9	2.908	2.960
2.903	2.956	3.0	3.009	3.062
3.000	3.054	3.1	3.109	3.164
3.097	3.153	3.2	3.209	3.266
3.193	3.251	3.3	3.309	3.368
3.290	3.350	3.4	3.410	3.470
3.387	3.448	3.5	3.510	3.572
3.484	3.547	3.6	3.610	3.675
3.580	3.645	3.7	3.711	3.777
3.677	3.744	3.8	3.811	3.879
3.774	3.842	3.9	3.911	3.981
3.871	3.941	4.0	4.011	4.083
3.968	4.039	4.1	4.112	4.185
4.064	4.138	4.2	4.212	4.287
4.161	4.236	4.3	4.312	4.389
4.258	4.335	4.4	4.413	4.491
4.355	4.433	4.5	4.513	4.593
4.451	4.532	4.6	4.613	4.695
4.548	4.630	4.7	4.714	4.797
4.645	4.729	4.8	4.814	4.899
4.742	4.827	4.9	4.914	5.001
4.838	4.926	5.0	5.014	5.104
4.935	5.025	5.1	5.115	5.206
5.032	5.123	5.2	5.215	5.308
5.129	5.222	5.3	5.315	5.410
5.226	5.320	5.4	5.416	5.512

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
111	112		113	114
5.322	5.419	5.5	5.516	5.614
5.419	5.517	5.6	5.616	5.716
5.516	5.616	5.7	5.716	5.818
5.613	5.714	5.8	5.817	5.920
5.709	5.813	5.9	5.917	6.022
5.806	5.911	6.0	6.017	6.124
5.903	6.010	6.1	6.118	6.226
6.000	6.108	6.2	6.218	6.328
6.096	6.207	6.3	6.318	6.430
6.193	6.305	6.4	6.418	6.532
6.290	6.404	6.5	6.519	6.635
6.387	6.502	6.6	6.619	6.737
6.484	6.601	6.7	6.719	6.839
6.580	6.699	6.8	6.820	6.941
6.677	6.798	6.9	6.920	7.043
6.774	6.896	7.0	7.020	7.145
6.871	6.995	7.1	7.120	7.247
6.967	7.093	7.2	7.221	7.349
7.064	7.192	7.3	7.321	7.451
7.161	7.291	7.4	7.421	7.553
7.258	7.389	7.5	7.522	7.655
7.354	7.488	7.6	7.622	7.757
7.451	7.586	7.7	7.722	7.859
7.548	7.685	7.8	7.822	7.961
7.645	7.783	7.9	7.923	8.064
7.742	7.882	8.0	8.023	8.166
7.838	7.980	8.1	8.123	8.268
7.935	8.079	8.2	8.224	8.370
8.032	8.177	8.3	8.324	8.472
8.129	8.276	8.4	8.424	8.574
8.225	8.374	8.5	8.524	8.676
8.322	8.473	8.6	8.625	8.778
8.419	8.571	8.7	8.725	8.880
8.516	8.670	8.8	8.825	8.982
8.612	8.768	8.9	8.926	9.084
8.709	8.867	9.0	9.026	9.186
8.806	8.965	9.1	9.126	9.288
8.903	9.064	9.2	9.226	9.390
9.000	9.162	9.3	9.327	9.493
9.096	9.261	9.4	9.427	9.595
9.193	9.359	9.5	9.527	9.697
9.290	9.458	9.6	9.628	9.799
9.387	9.556	9.7	9.728	9.901
9.483	9.655	9.8	9.828	10.00
9.580	9.754	9.9	9.928	10.10
9.677	9.852	10.0	10.03	10.21

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
115	116		117	118
1.039	1.057	1.0	1.075	1.094
1.143	1.163	1.1	1.183	1.203
1.246	1.268	1.2	1.290	1.312
1.350	1.374	1.3	1.398	1.422
1.454	1.480	1.4	1.505	1.531
1.558	1.585	1.5	1.613	1.640
1.662	1.691	1.6	1.720	1.750
1.766	1.797	1.7	1.828	1.859
1.870	1.902	1.8	1.935	1.968
1.974	2.008	1.9	2.043	2.078
2.077	2.114	2.0	2.150	2.187
2.181	2.219	2.1	2.258	2.297
2.285	2.325	2.2	2.365	2.406
2.389	2.431	2.3	2.473	2.515
2.493	2.536	2.4	2.580	2.625
2.597	2.642	2.5	2.688	2.734
2.701	2.748	2.6	2.795	2.843
2.804	2.853	2.7	2.903	2.953
2.908	2.959	2.8	3.010	3.062
3.012	3.065	2.9	3.118	3.171
3.116	3.170	3.0	3.225	3.281
3.220	3.276	3.1	3.333	3.390
3.324	3.382	3.2	3.440	3.499
3.428	3.488	3.3	3.548	3.609
3.532	3.593	3.4	3.655	3.718
3.635	3.699	3.5	3.763	3.828
3.739	3.805	3.6	3.870	3.937
3.843	3.910	3.7	3.978	4.046
3.947	4.016	3.8	4.085	4.156
4.051	4.122	3.9	4.193	4.265
4.155	4.227	4.0	4.301	4.374
4.259	4.333	4.1	4.408	4.484
4.362	4.439	4.2	4.516	4.593
4.466	4.544	4.3	4.623	4.702
4.570	4.650	4.4	4.731	4.812
4.674	4.756	4.5	4.838	4.921
4.778	4.861	4.6	4.946	5.031
4.882	4.967	4.7	5.053	5.140
4.986	5.073	4.8	5.161	5.249
5.090	5.178	4.9	5.268	5.359
5.193	5.284	5.0	5.376	5.468
5.297	5.390	5.1	5.483	5.577
5.401	5.496	5.2	5.591	5.687
5.505	5.601	5.3	5.698	5.796
5.609	5.707	5.4	5.806	5.905

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
115	116		117	118
5.713	5.813	5.5	5.913	6.015
5.817	5.918	5.6	6.021	6.124
5.921	6.024	5.7	6.128	6.233
6.024	6.130	5.8	6.236	6.343
6.128	6.235	5.9	6.343	6.452
6.232	6.341	6.0	6.451	6.562
6.336	6.447	6.1	6.558	6.671
6.440	6.552	6.2	6.666	6.780
6.544	6.658	6.3	6.773	6.890
6.648	6.764	6.4	6.881	6.999
6.751	6.869	6.5	6.988	7.108
6.855	6.975	6.6	7.096	7.218
6.959	7.081	6.7	7.203	7.327
7.063	7.186	6.8	7.311	7.436
7.167	7.292	6.9	7.418	7.546
7.271	7.398	7.0	7.526	7.655
7.375	7.504	7.1	7.633	7.764
7.479	7.609	7.2	7.741	7.874
7.582	7.715	7.3	7.848	7.983
7.686	7.821	7.4	7.956	8.093
7.790	7.926	7.5	8.063	8.202
7.894	8.032	7.6	8.171	8.311
7.998	8.138	7.7	8.279	8.421
8.102	8.243	7.8	8.386	8.530
8.206	8.349	7.9	8.494	8.639
8.310	8.455	8.0	8.601	8.749
8.413	8.560	8.1	8.709	8.858
8.517	8.666	8.2	8.816	8.967
8.621	8.772	8.3	8.924	9.077
8.725	8.877	8.4	9.031	9.186
8.829	8.983	8.5	9.139	9.295
8.933	9.089	8.6	9.246	9.405
9.037	9.194	8.7	9.354	9.514
9.140	9.300	8.8	9.461	9.624
9.244	9.406	8.9	9.569	9.733
9.348	9.511	9.0	9.676	9.842
9.452	9.617	9.1	9.784	9.952
9.556	9.723	9.2	9.891	10.06
9.660	9.829	9.3	9.999	10.17
9.764	9.934	9.4	10.11	10.28
9.868	10.04	9.5	10.21	10.39
9.971	10.15	9.6	10.32	10.50
10.08	10.25	9.7	10.43	10.61
10.18	10.36	9.8	10.54	10.72
10.28	10.46	9.9	10.64	10.83
10.39	10.57	10.0	10.75	10.94

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
119	120		121	122
1.112	1.131	1.0	1.150	1.169
1.223	1.244	1.1	1.265	1.286
1.335	1.357	1.2	1.380	1.403
1.446	1.470	1.3	1.495	1.520
1.557	1.583	1.4	1.610	1.637
1.668	1.696	1.5	1.725	1.753
1.780	1.810	1.6	1.840	1.870
1.891	1.923	1.7	1.955	1.987
2.002	2.036	1.8	2.070	2.104
2.113	2.149	1.9	2.185	2.221
2.224	2.262	2.0	2.300	2.338
2.336	2.375	2.1	2.415	2.455
2.447	2.488	2.2	2.530	2.572
2.558	2.601	2.3	2.645	2.689
2.669	2.714	2.4	2.760	2.806
2.781	2.827	2.5	2.875	2.922
2.892	2.941	2.6	2.990	3.039
3.003	3.054	2.7	3.105	3.156
3.114	3.167	2.8	3.220	3.273
3.225	3.280	2.9	3.335	3.390
3.337	3.393	3.0	3.450	3.507
3.448	3.506	3.1	3.565	3.624
3.559	3.619	3.2	3.680	3.741
3.670	3.732	3.3	3.795	3.858
3.781	3.845	3.4	3.910	3.975
3.893	3.958	3.5	4.025	4.091
4.004	4.072	3.6	4.140	4.208
4.115	4.185	3.7	4.255	4.325
4.226	4.298	3.8	4.370	4.442
4.338	4.411	3.9	4.485	4.559
4.449	4.524	4.0	4.600	4.676
4.560	4.637	4.1	4.715	4.793
4.671	4.750	4.2	4.830	4.910
4.782	4.863	4.3	4.945	5.027
4.894	4.976	4.4	5.060	5.144
5.005	5.089	4.5	5.175	5.260
5.116	5.202	4.6	5.290	5.377
5.227	5.316	4.7	5.405	5.494
5.339	5.429	4.8	5.520	5.611
5.450	5.542	4.9	5.635	5.728
5.561	5.655	5.0	5.750	5.845
5.672	5.768	5.1	5.864	5.962
5.783	5.881	5.2	5.979	6.079
5.895	5.994	5.3	6.094	6.196
6.006	6.107	5.4	6.209	6.313

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
119	120		121	122
6.117	6.220	5.5	6.324	6.429
6.228	6.333	5.6	6.439	6.546
6.340	6.447	5.7	6.554	6.663
6.451	6.560	5.8	6.669	6.780
6.562	6.673	5.9	6.784	6.897
6.673	6.786	6.0	6.899	7.014
6.784	6.899	6.1	7.014	7.131
6.896	7.012	6.2	7.129	7.248
7.007	7.125	6.3	7.244	7.365
7.118	7.238	6.4	7.359	7.482
7.229	7.351	6.5	7.474	7.598
7.341	7.464	6.6	7.589	7.715
7.452	7.578	6.7	7.704	7.832
7.563	7.691	6.8	7.819	7.949
7.674	7.804	6.9	7.934	8.066
7.785	7.917	7.0	8.049	8.183
7.897	8.030	7.1	8.164	8.300
8.008	8.143	7.2	8.279	8.417
8.119	8.256	7.3	8.394	8.534
8.230	8.369	7.4	8.509	8.650
8.342	8.482	7.5	8.624	8.767
8.453	8.595	7.6	8.739	8.884
8.564	8.708	7.7	8.854	9.001
8.675	8.822	7.8	8.969	9.118
8.786	8.935	7.9	9.084	9.235
8.898	9.048	8.0	9.199	9.352
9.009	9.161	8.1	9.314	9.469
9.120	9.274	8.2	9.429	9.586
9.231	9.387	8.3	9.544	9.703
9.342	9.500	8.4	9.659	9.819
9.454	9.613	8.5	9.774	9.936
9.565	9.726	8.6	9.889	10.05
9.676	9.839	8.7	10.00	10.17
9.787	9.953	8.8	10.12	10.29
9.899	10.07	8.9	10.23	10.40
10.01	10.18	9.0	10.35	10.52
10.12	10.29	9.1	10.46	10.64
10.23	10.40	9.2	10.58	10.75
10.34	10.52	9.3	10.69	10.87
10.45	10.63	9.4	10.81	10.99
10.57	10.74	9.5	10.92	11.11
10.68	10.86	9.6	11.04	11.22
10.79	10.97	9.7	11.15	11.34
10.90	11.08	9.8	11.27	11.46
11.01	11.20	9.9	11.38	11.57
11.12	11.31	10.0	11.50	11.69

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
123	124		125	126
1.188	1.208	1.0	1.227	1.247
1.307	1.328	1.1	1.350	1.372
1.426	1.449	1.2	1.473	1.496
1.545	1.570	1.3	1.595	1.621
1.664	1.691	1.4	1.718	1.746
1.782	1.811	1.5	1.841	1.870
1.901	1.932	1.6	1.963	1.995
2.020	2.053	1.7	2.086	2.120
2.139	2.174	1.8	2.209	2.244
2.258	2.294	1.9	2.332	2.369
2.376	2.415	2.0	2.454	2.494
2.495	2.536	2.1	2.577	2.618
2.614	2.657	2.2	2.700	2.743
2.733	2.778	2.3	2.823	2.868
2.852	2.898	2.4	2.945	2.993
2.971	3.019	2.5	3.068	3.117
3.089	3.140	2.6	3.191	3.242
3.208	3.261	2.7	3.313	3.367
3.327	3.381	2.8	3.436	3.491
3.446	3.502	2.9	3.559	3.616
3.565	3.623	3.0	3.682	3.741
3.684	3.744	3.1	3.804	3.865
3.802	3.864	3.2	3.927	3.990
3.921	3.985	3.3	4.050	4.115
4.040	4.106	3.4	4.172	4.239
4.159	4.227	3.5	4.295	4.364
4.278	4.347	3.6	4.418	4.489
4.396	4.468	3.7	4.541	4.614
4.515	4.589	3.8	4.663	4.738
4.634	4.710	3.9	4.786	4.863
4.753	4.831	4.0	4.909	4.988
4.872	4.951	4.1	5.031	5.112
4.991	5.072	4.2	5.154	5.237
5.109	5.193	4.3	5.277	5.362
5.228	5.314	4.4	5.400	5.486
5.347	5.434	4.5	5.522	5.611
5.466	5.555	4.6	5.645	5.736
5.585	5.676	4.7	5.768	5.860
5.703	5.797	4.8	5.890	5.985
5.822	5.917	4.9	6.013	6.110
5.941	6.038	5.0	6.136	6.234
6.060	6.159	5.1	6.259	6.359
6.179	6.280	5.2	6.381	6.484
6.298	6.400	5.3	6.504	6.609
6.416	6.521	5.4	6.627	6.733

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
123	124		125	126
6.535	6.642	5.5	6.750	6.858
6.654	6.763	5.6	6.872	6.983
6.773	6.883	5.7	6.995	7.107
6.892	7.004	5.8	7.118	7.232
7.011	7.125	5.9	7.240	7.357
7.129	7.246	6.0	7.363	7.481
7.248	7.367	6.1	7.486	7.606
7.367	7.487	6.2	7.609	7.731
7.486	7.608	6.3	7.731	7.855
7.605	7.729	6.4	7.854	7.980
7.723	7.850	6.5	7.977	8.105
7.842	7.970	6.6	8.099	8.230
7.961	8.091	6.7	8.222	8.354
8.080	8.212	6.8	8.345	8.479
8.199	8.333	6.9	8.468	8.604
8.318	8.453	7.0	8.590	8.728
8.436	8.574	7.1	8.713	8.853
8.555	8.695	7.2	8.836	8.978
8.674	8.816	7.3	8.958	9.102
8.793	8.936	7.4	9.081	9.227
8.912	9.057	7.5	9.204	9.352
9.031	9.178	7.6	9.327	9.476
9.149	9.299	7.7	9.449	9.601
9.268	9.419	7.8	9.572	9.726
9.387	9.540	7.9	9.695	9.850
9.506	9.661	8.0	9.817	9.975
9.625	9.782	8.1	9.940	10.10
9.743	9.903	8.2	10.06	10.22
9.862	10.02	8.3	10.19	10.35
9.981	10.14	8.4	10.31	10.47
10.10	10.26	8.5	10.43	10.60
10.22	10.39	8.6	10.55	10.72
10.34	10.51	8.7	10.68	10.85
10.46	10.63	8.8	10.80	10.97
10.58	10.75	8.9	10.92	11.10
10.69	10.87	9.0	11.04	11.22
10.81	10.99	9.1	11.17	11.35
10.93	11.11	9.2	11.29	11.47
11.05	11.23	9.3	11.41	11.60
11.17	11.35	9.4	11.54	11.72
11.29	11.47	9.5	11.66	11.85
11.41	11.59	9.6	11.78	11.97
11.53	11.71	9.7	11.90	12.09
11.64	11.83	9.8	12.03	12.22
11.76	11.96	9.9	12.15	12.34
11.88	12.08	10.0	12.27	12.47

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
127	128		129	130
1.267	1.287	1.0	1.307	1.327
1.393	1.415	1.1	1.438	1.460
1.520	1.544	1.2	1.568	1.593
1.647	1.673	1.3	1.699	1.726
1.773	1.802	1.4	1.830	1.858
1.900	1.930	1.5	1.960	1.991
2.027	2.059	1.6	2.091	2.124
2.154	2.188	1.7	2.222	2.256
2.280	2.316	1.8	2.353	2.389
2.407	2.445	1.9	2.483	2.522
2.534	2.574	2.0	2.614	2.655
2.660	2.702	2.1	2.745	2.787
2.787	2.831	2.2	2.875	2.920
2.914	2.960	2.3	3.006	3.053
3.040	3.088	2.4	3.137	3.186
3.167	3.217	2.5	3.267	3.318
3.294	3.346	2.6	3.398	3.451
3.420	3.474	2.7	3.529	3.584
3.547	3.603	2.8	3.660	3.717
3.674	3.732	2.9	3.790	3.849
3.800	3.860	3.0	3.921	3.982
3.927	3.989	3.1	4.052	4.115
4.054	4.118	3.2	4.182	4.247
4.180	4.246	3.3	4.313	4.380
4.307	4.375	3.4	4.444	4.513
4.434	4.504	3.5	4.574	4.646
4.560	4.632	3.6	4.705	4.778
4.687	4.761	3.7	4.836	4.911
4.814	4.890	3.8	4.967	5.044
4.940	5.019	3.9	5.097	5.177
5.067	5.147	4.0	5.228	5.309
5.194	5.276	4.1	5.359	5.442
5.320	5.405	4.2	5.489	5.575
5.447	5.533	4.3	5.620	5.707
5.574	5.662	4.4	5.751	5.840
5.700	5.791	4.5	5.881	5.973
5.827	5.919	4.6	6.012	6.106
5.954	6.048	4.7	6.143	6.238
6.080	6.177	4.8	6.274	6.371
6.207	6.305	4.9	6.404	6.504
6.334	6.434	5.0	6.535	6.637
6.461	6.563	5.1	6.666	6.769
6.587	6.691	5.2	6.796	6.902
6.714	6.820	5.3	6.927	7.035
6.841	6.949	5.4	7.058	7.168

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
127	128		129	130
6.967	7.077	5.5	7.188	7.300
7.094	7.206	5.6	7.319	7.433
7.221	7.335	5.7	7.450	7.566
7.347	7.463	5.8	7.580	7.698
7.474	7.592	5.9	7.711	7.831
7.601	7.721	6.0	7.842	7.964
7.727	7.849	6.1	7.973	8.097
7.854	7.978	6.2	8.103	8.229
7.981	8.107	6.3	8.234	8.362
8.107	8.235	6.4	8.365	8.495
8.234	8.364	6.5	8.495	8.628
8.361	8.493	6.6	8.626	8.760
8.487	8.622	6.7	8.757	8.893
8.614	8.750	6.8	8.887	9.026
8.741	8.879	6.9	9.018	9.159
8.867	9.008	7.0	9.149	9.291
8.994	9.136	7.1	9.280	9.424
9.121	9.265	7.2	9.410	9.557
9.247	9.394	7.3	9.541	9.689
9.374	9.522	7.4	9.672	9.822
9.501	9.651	7.5	9.802	9.955
9.627	9.780	7.6	9.933	10.09
9.754	9.908	7.7	10.06	10.22
9.881	10.04	7.8	10.19	10.35
10.01	10.17	7.9	10.33	10.49
10.13	10.29	8.0	10.46	10.62
10.26	10.42	8.1	10.59	10.75
10.39	10.55	8.2	10.72	10.88
10.51	10.68	8.3	10.85	11.02
10.64	10.81	8.4	10.98	11.15
10.77	10.94	8.5	11.11	11.28
10.89	11.07	8.6	11.24	11.41
11.02	11.20	8.7	11.37	11.55
11.15	11.32	8.8	11.50	11.68
11.27	11.45	8.9	11.63	11.81
11.40	11.58	9.0	11.76	11.95
11.53	11.71	9.1	11.89	12.08
11.65	11.84	9.2	12.02	12.21
11.78	11.97	9.3	12.15	12.34
11.91	12.10	9.4	12.29	12.48
12.03	12.22	9.5	12.42	12.61
12.16	12.35	9.6	12.55	12.74
12.29	12.48	9.7	12.68	12.88
12.41	12.61	9.8	12.81	13.01
12.54	12.74	9.9	12.94	13.14
12.67	12.87	10.0	13.07	13.27

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
131	132		133	134
1.348	1.368	1.0	1.389	1.410
1.483	1.505	1.1	1.528	1.551
1.617	1.642	1.2	1.667	1.692
1.752	1.779	1.3	1.806	1.833
1.887	1.916	1.4	1.945	1.974
2.022	2.053	1.5	2.084	2.115
2.157	2.190	1.6	2.223	2.256
2.291	2.326	1.7	2.362	2.397
2.426	2.463	1.8	2.501	2.538
2.561	2.600	1.9	2.640	2.679
2.696	2.737	2.0	2.779	2.821
2.830	2.874	2.1	2.918	2.962
2.965	3.011	2.2	3.056	3.103
3.100	3.147	2.3	3.195	3.244
3.235	3.284	2.4	3.334	3.385
3.370	3.421	2.5	3.473	3.526
3.504	3.558	2.6	3.612	3.667
3.639	3.695	2.7	3.751	3.808
3.774	3.832	2.8	3.890	3.949
3.909	3.969	2.9	4.029	4.090
4.043	4.105	3.0	4.168	4.231
4.178	4.242	3.1	4.307	4.372
4.313	4.379	3.2	4.446	4.513
4.448	4.516	3.3	4.585	4.654
4.583	4.653	3.4	4.724	4.795
4.717	4.790	3.5	4.863	4.936
4.852	4.927	3.6	5.001	5.077
4.987	5.063	3.7	5.140	5.218
5.122	5.200	3.8	5.279	5.359
5.257	5.337	3.9	5.418	5.500
5.391	5.474	4.0	5.557	5.641
5.526	5.611	4.1	5.696	5.782
5.661	5.748	4.2	5.835	5.923
5.796	5.884	4.3	5.974	6.064
5.930	6.021	4.4	6.113	6.205
6.065	6.158	4.5	6.252	6.346
6.200	6.295	4.6	6.391	6.487
6.335	6.432	4.7	6.530	6.628
6.470	6.569	4.8	6.669	6.769
6.604	6.706	4.9	6.808	6.910
6.739	6.842	5.0	6.946	7.051
6.874	6.979	5.1	7.085	7.192
7.009	7.116	5.2	7.224	7.333
7.143	7.253	5.3	7.363	7.474
7.278	7.390	5.4	7.502	7.615

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
131	132		133	134
7.413	7.527	5.5	7.641	7.756
7.548	7.663	5.6	7.780	7.897
7.683	7.800	5.7	7.919	8.038
7.817	7.937	5.8	8.058	8.180
7.952	8.074	5.9	8.197	8.321
8.087	8.211	6.0	8.336	8.462
8.222	8.348	6.1	8.475	8.603
8.356	8.485	6.2	8.614	8.744
8.491	8.621	6.3	8.753	8.885
8.626	8.758	6.4	8.891	9.026
8.761	8.895	6.5	9.030	9.167
8.896	9.032	6.6	9.169	9.308
9.030	9.169	6.7	9.308	9.449
9.165	9.306	6.8	9.447	9.590
9.300	9.442	6.9	9.586	9.731
9.435	9.579	7.0	9.725	9.872
9.570	9.716	7.1	9.864	10.01
9.704	9.853	7.2	10.00	10.15
9.839	9.990	7.3	10.14	10.29
9.974	10.13	7.4	10.28	10.44
10.11	10.26	7.5	10.42	10.58
10.24	10.40	7.6	10.56	10.72
10.38	10.54	7.7	10.70	10.86
10.51	10.67	7.8	10.84	11.00
10.65	10.81	7.9	10.98	11.14
10.78	10.95	8.0	11.11	11.28
10.92	11.08	8.1	11.25	11.42
11.05	11.22	8.2	11.39	11.56
11.19	11.36	8.3	11.53	11.71
11.32	11.50	8.4	11.67	11.85
11.46	11.63	8.5	11.81	11.99
11.59	11.77	8.6	11.95	12.13
11.73	11.91	8.7	12.09	12.27
11.86	12.04	8.8	12.23	12.41
12.00	12.18	8.9	12.36	12.55
12.13	12.32	9.0	12.50	12.69
12.27	12.45	9.1	12.64	12.83
12.40	12.59	9.2	12.78	12.97
12.53	12.73	9.3	12.92	13.12
12.67	12.86	9.4	13.06	13.26
12.80	13.00	9.5	13.20	13.40
12.94	13.14	9.6	13.34	13.54
13.07	13.27	9.7	13.48	13.68
13.21	13.41	9.8	13.62	13.82
13.34	13.55	9.9	13.75	13.96
13.48	13.68	10.0	13.89	14.10

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
135	136		137	138
1.431	1.453	1.0	1.474	1.496
1.575	1.598	1.1	1.622	1.645
1.718	1.743	1.2	1.769	1.795
1.861	1.888	1.3	1.916	1.944
2.004	2.034	1.4	2.064	2.094
2.147	2.179	1.5	2.211	2.244
2.290	2.324	1.6	2.359	2.393
2.433	2.470	1.7	2.506	2.543
2.576	2.615	1.8	2.653	2.692
2.720	2.760	1.9	2.801	2.842
2.863	2.905	2.0	2.948	2.991
3.006	3.051	2.1	3.096	3.141
3.149	3.196	2.2	3.243	3.291
3.292	3.341	2.3	3.390	3.440
3.435	3.486	2.4	3.538	3.590
3.578	3.632	2.5	3.685	3.739
3.722	3.777	2.6	3.833	3.889
3.865	3.922	2.7	3.980	4.038
4.008	4.067	2.8	4.128	4.188
4.151	4.213	2.9	4.275	4.338
4.294	4.358	3.0	4.422	4.487
4.437	4.503	3.1	4.570	4.637
4.580	4.649	3.2	4.717	4.786
4.724	4.794	3.3	4.865	4.936
4.867	4.939	3.4	5.012	5.085
5.010	5.084	3.5	5.159	5.235
5.153	5.230	3.6	5.307	5.385
5.296	5.375	3.7	5.454	5.534
5.439	5.520	3.8	5.602	5.684
5.582	5.665	3.9	5.749	5.833
5.726	5.811	4.0	5.896	5.983
5.869	5.956	4.1	6.044	6.132
6.012	6.101	4.2	6.191	6.282
6.155	6.246	4.3	6.339	6.432
6.298	6.392	4.4	6.486	6.581
6.441	6.537	4.5	6.634	6.731
6.584	6.682	4.6	6.781	6.880
6.728	6.828	4.7	6.928	7.030
6.871	6.973	4.8	7.076	7.179
7.014	7.118	4.9	7.223	7.329
7.157	7.263	5.0	7.371	7.479
7.300	7.409	5.1	7.518	7.628
7.443	7.554	5.2	7.665	7.778
7.586	7.699	5.3	7.813	7.927
7.729	7.844	5.4	7.960	8.077

Volume in Cubic Metres

Mid-diameter in Centimetres		Length In Metres	Mid-diameter in Centimetres	
135	136		137	138
7.873	7.990	5.5	8.108	8.226
8.016	8.135	5.6	8.255	8.376
8.159	8.280	5.7	8.402	8.526
8.302	8.425	5.8	8.550	8.675
8.445	8.571	5.9	8.697	8.825
8.588	8.716	6.0	8.845	8.974
8.731	8.861	6.1	8.992	9.124
8.875	9.007	6.2	9.140	9.273
9.018	9.152	6.3	9.287	9.423
9.161	9.297	6.4	9.434	9.573
9.304	9.442	6.5	9.582	9.722
9.447	9.588	6.6	9.729	9.872
9.590	9.733	6.7	9.877	10.02
9.733	9.878	6.8	10.02	10.17
9.877	10.02	6.9	10.17	10.32
10.02	10.17	7.0	10.32	10.47
10.16	10.31	7.1	10.47	10.62
10.31	10.46	7.2	10.61	10.77
10.45	10.60	7.3	10.76	10.92
10.59	10.75	7.4	10.91	11.07
10.74	10.90	7.5	11.06	11.22
10.88	11.04	7.6	11.20	11.37
11.02	11.19	7.7	11.35	11.52
11.16	11.33	7.8	11.50	11.67
11.31	11.48	7.9	11.65	11.82
11.45	11.62	8.0	11.79	11.97
11.59	11.77	8.1	11.94	12.12
11.74	11.91	8.2	12.09	12.26
11.88	12.06	8.3	12.24	12.41
12.02	12.20	8.4	12.38	12.56
12.17	12.35	8.5	12.53	12.71
12.31	12.49	8.6	12.68	12.86
12.45	12.64	8.7	12.82	13.01
12.60	12.78	8.8	12.97	13.16
12.74	12.93	8.9	13.12	13.31
12.88	13.07	9.0	13.27	13.46
13.03	13.22	9.1	13.41	13.61
13.17	13.36	9.2	13.56	13.76
13.31	13.51	9.3	13.71	13.91
13.46	13.66	9.4	13.86	14.06
13.60	13.80	9.5	14.00	14.21
13.74	13.95	9.6	14.15	14.36
13.88	14.09	9.7	14.30	14.51
14.03	14.24	9.8	14.45	14.66
14.17	14.38	9.9	14.59	14.81
14.31	14.53	10.0	14.74	14.96

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
139	140		141	142
1.517	1.539	1.0	1.561	1.584
1.669	1.693	1.1	1.718	1.742
1.821	1.847	1.2	1.874	1.900
1.973	2.001	1.3	2.030	2.059
2.124	2.155	1.4	2.186	2.217
2.276	2.309	1.5	2.342	2.376
2.428	2.463	1.6	2.498	2.534
2.580	2.617	1.7	2.654	2.692
2.731	2.771	1.8	2.811	2.851
2.883	2.925	1.9	2.967	3.009
3.035	3.079	2.0	3.123	3.167
3.187	3.233	2.1	3.279	3.326
3.338	3.387	2.2	3.435	3.484
3.490	3.541	2.3	3.591	3.642
3.642	3.695	2.4	3.747	3.801
3.794	3.848	2.5	3.904	3.959
3.945	4.002	2.6	4.060	4.118
4.097	4.156	2.7	4.216	4.276
4.249	4.310	2.8	4.372	4.434
4.401	4.464	2.9	4.528	4.593
4.552	4.618	3.0	4.684	4.751
4.704	4.772	3.1	4.840	4.909
4.856	4.926	3.2	4.997	5.068
5.008	5.080	3.3	5.153	5.226
5.159	5.234	3.4	5.309	5.384
5.311	5.388	3.5	5.465	5.543
5.463	5.542	3.6	5.621	5.701
5.615	5.696	3.7	5.777	5.860
5.766	5.850	3.8	5.934	6.018
5.918	6.004	3.9	6.090	6.176
6.070	6.158	4.0	6.246	6.335
6.222	6.311	4.1	6.402	6.493
6.373	6.465	4.2	6.558	6.651
6.525	6.619	4.3	6.714	6.810
6.677	6.773	4.4	6.870	6.968
6.829	6.927	4.5	7.027	7.127
6.980	7.081	4.6	7.183	7.285
7.132	7.235	4.7	7.339	7.443
7.284	7.389	4.8	7.495	7.602
7.436	7.543	4.9	7.651	7.760
7.587	7.697	5.0	7.807	7.918
7.739	7.851	5.1	7.963	8.077
7.891	8.005	5.2	8.120	8.235
8.043	8.159	5.3	8.276	8.393
8.194	8.313	5.4	8.432	8.552

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
139	140		141	142
8.346	8.467	5.5	8.588	8.710
8.498	8.621	5.6	8.744	8.869
8.650	8.774	5.7	8.900	9.027
8.801	8.928	5.8	9.056	9.185
8.953	9.082	5.9	9.213	9.344
9.105	9.236	6.0	9.369	9.502
9.257	9.390	6.1	9.525	9.660
9.408	9.544	6.2	9.681	9.819
9.560	9.698	6.3	9.837	9.977
9.712	9.852	6.4	9.993	10.14
9.864	10.01	6.5	10.15	10.29
10.02	10.16	6.6	10.31	10.45
10.17	10.31	6.7	10.46	10.61
10.32	10.47	6.8	10.62	10.77
10.47	10.62	6.9	10.77	10.93
10.62	10.78	7.0	10.93	11.09
10.77	10.93	7.1	11.09	11.24
10.93	11.08	7.2	11.24	11.40
11.08	11.24	7.3	11.40	11.56
11.23	11.39	7.4	11.55	11.72
11.38	11.55	7.5	11.71	11.88
11.53	11.70	7.6	11.87	12.04
11.68	11.85	7.7	12.02	12.19
11.84	12.01	7.8	12.18	12.35
11.99	12.16	7.9	12.34	12.51
12.14	12.32	8.0	12.49	12.67
12.29	12.47	8.1	12.65	12.83
12.44	12.62	8.2	12.80	12.99
12.59	12.78	8.3	12.96	13.14
12.75	12.93	8.4	13.12	13.30
12.90	13.08	8.5	13.27	13.46
13.05	13.24	8.6	13.43	13.62
13.20	13.39	8.7	13.58	13.78
13.35	13.55	8.8	13.74	13.94
13.51	13.70	8.9	13.90	14.09
13.66	13.85	9.0	14.05	14.25
13.81	14.01	9.1	14.21	14.41
13.96	14.16	9.2	14.37	14.57
14.11	14.32	9.3	14.52	14.73
14.26	14.47	9.4	14.68	14.89
14.42	14.62	9.5	14.83	15.04
14.57	14.78	9.6	14.99	15.20
14.72	14.93	9.7	15.15	15.36
14.87	15.09	9.8	15.30	15.52
15.02	15.24	9.9	15.46	15.68
15.17	15.39	10.0	15.61	15.84

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
143	144		145	146
1.606	1.629	1.0	1.651	1.674
1.767	1.791	1.1	1.816	1.842
1.927	1.954	1.2	1.982	2.009
2.088	2.117	1.3	2.147	2.176
2.248	2.280	1.4	2.312	2.344
2.409	2.443	1.5	2.477	2.511
2.570	2.606	1.6	2.642	2.679
2.730	2.769	1.7	2.807	2.846
2.891	2.931	1.8	2.972	3.013
3.052	3.094	1.9	3.137	3.181
3.212	3.257	2.0	3.303	3.348
3.373	3.420	2.1	3.468	3.516
3.533	3.583	2.2	3.633	3.683
3.694	3.746	2.3	3.798	3.851
3.855	3.909	2.4	3.963	4.018
4.015	4.072	2.5	4.128	4.185
4.176	4.234	2.6	4.293	4.353
4.336	4.397	2.7	4.459	4.520
4.497	4.560	2.8	4.624	4.688
4.658	4.723	2.9	4.789	4.855
4.818	4.886	3.0	4.954	5.022
4.979	5.049	3.1	5.119	5.190
5.139	5.212	3.2	5.284	5.357
5.300	5.374	3.3	5.449	5.525
5.461	5.537	3.4	5.614	5.692
5.621	5.700	3.5	5.780	5.860
5.782	5.863	3.6	5.945	6.027
5.942	6.026	3.7	6.110	6.194
6.103	6.189	3.8	6.275	6.362
6.264	6.352	3.9	6.440	6.529
6.424	6.514	4.0	6.605	6.697
6.585	6.677	4.1	6.770	6.864
6.745	6.840	4.2	6.935	7.031
6.906	7.003	4.3	7.101	7.199
7.067	7.166	4.4	7.266	7.366
7.227	7.329	4.5	7.431	7.534
7.388	7.492	4.6	7.596	7.701
7.548	7.654	4.7	7.761	7.869
7.709	7.817	4.8	7.926	8.036
7.870	7.980	4.9	8.091	8.203
8.030	8.143	5.0	8.256	8.371
8.191	8.306	5.1	8.422	8.538
8.352	8.469	5.2	8.587	8.706
8.512	8.632	5.3	8.752	8.873
8.673	8.794	5.4	8.917	9.040

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
143	144		145	146
8.833	8.957	5.5	9.082	9.208
8.994	9.120	5.6	9.247	9.375
9.155	9.283	5.7	9.412	9.543
9.315	9.446	5.8	9.578	9.710
9.476	9.609	5.9	9.743	9.878
9.636	9.772	6.0	9.908	10.04
9.797	9.934	6.1	10.07	10.21
9.958	10.10	6.2	10.24	10.38
10.12	10.26	6.3	10.40	10.55
10.28	10.42	6.4	10.57	10.71
10.44	10.59	6.5	10.73	10.88
10.60	10.75	6.6	10.90	11.05
10.76	10.91	6.7	11.06	11.22
10.92	11.07	6.8	11.23	11.38
11.08	11.24	6.9	11.39	11.55
11.24	11.40	7.0	11.56	11.72
11.40	11.56	7.1	11.72	11.89
11.56	11.73	7.2	11.89	12.05
11.72	11.89	7.3	12.05	12.22
11.88	12.05	7.4	12.22	12.39
12.05	12.21	7.5	12.38	12.56
12.21	12.38	7.6	12.55	12.72
12.37	12.54	7.7	12.72	12.89
12.53	12.70	7.8	12.88	13.06
12.69	12.87	7.9	13.05	13.23
12.85	13.03	8.0	13.21	13.39
13.01	13.19	8.1	13.38	13.56
13.17	13.35	8.2	13.54	13.73
13.33	13.52	8.3	13.71	13.90
13.49	13.68	8.4	13.87	14.06
13.65	13.84	8.5	14.04	14.23
13.81	14.01	8.6	14.20	14.40
13.97	14.17	8.7	14.37	14.57
14.13	14.33	8.8	14.53	14.73
14.29	14.49	8.9	14.70	14.90
14.45	14.66	9.0	14.86	15.07
14.62	14.82	9.1	15.03	15.23
14.78	14.98	9.2	15.19	15.40
14.94	15.15	9.3	15.36	15.57
15.10	15.31	9.4	15.52	15.74
15.26	15.47	9.5	15.69	15.90
15.42	15.63	9.6	15.85	16.07
15.58	15.80	9.7	16.02	16.24
15.74	15.96	9.8	16.18	16.41
15.90	16.12	9.9	16.35	16.57
16.06	16.29	10.0	16.51	16.74

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
147	148		149	150
1.697	1.720	1.0	1.744	1.767
1.867	1.892	1.1	1.918	1.944
2.037	2.064	1.2	2.092	2.121
2.206	2.236	1.3	2.267	2.297
2.376	2.408	1.4	2.441	2.474
2.546	2.581	1.5	2.615	2.651
2.715	2.753	1.6	2.790	2.827
2.885	2.925	1.7	2.964	3.004
3.055	3.097	1.8	3.139	3.181
3.225	3.269	1.9	3.313	3.358
3.394	3.441	2.0	3.487	3.534
3.564	3.613	2.1	3.662	3.711
3.734	3.785	2.2	3.836	3.888
3.903	3.957	2.3	4.010	4.064
4.073	4.129	2.4	4.185	4.241
4.243	4.301	2.5	4.359	4.418
4.413	4.473	2.6	4.534	4.595
4.582	4.645	2.7	4.708	4.771
4.752	4.817	2.8	4.882	4.948
4.922	4.989	2.9	5.057	5.125
5.091	5.161	3.0	5.231	5.301
5.261	5.333	3.1	5.405	5.478
5.431	5.505	3.2	5.580	5.655
5.601	5.677	3.3	5.754	5.832
5.770	5.849	3.4	5.928	6.008
5.940	6.021	3.5	6.103	6.185
6.110	6.193	3.6	6.277	6.362
6.280	6.365	3.7	6.452	6.538
6.449	6.537	3.8	6.626	6.715
6.619	6.709	3.9	6.800	6.892
6.789	6.881	4.0	6.975	7.069
6.958	7.053	4.1	7.149	7.245
7.128	7.225	4.2	7.323	7.422
7.298	7.397	4.3	7.498	7.599
7.468	7.569	4.4	7.672	7.775
7.637	7.742	4.5	7.846	7.952
7.807	7.914	4.6	8.021	8.129
7.977	8.086	4.7	8.195	8.306
8.146	8.258	4.8	8.370	8.482
8.316	8.430	4.9	8.544	8.659
8.486	8.602	5.0	8.718	8.836
8.656	8.774	5.1	8.893	9.012
8.825	8.946	5.2	9.067	9.189
8.995	9.118	5.3	9.241	9.366
9.165	9.290	5.4	9.416	9.543

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
147	148		149	150
9.334	9.462	5.5	9.590	9.719
9.504	9.634	5.6	9.765	9.896
9.674	9.806	5.7	9.939	10.07
9.844	9.978	5.8	10.11	10.25
10.01	10.15	5.9	10.29	10.43
10.18	10.32	6.0	10.46	10.60
10.35	10.49	6.1	10.64	10.78
10.52	10.67	6.2	10.81	10.96
10.69	10.84	6.3	10.99	11.13
10.86	11.01	6.4	11.16	11.31
11.03	11.18	6.5	11.33	11.49
11.20	11.35	6.6	11.51	11.66
11.37	11.53	6.7	11.68	11.84
11.54	11.70	6.8	11.86	12.02
11.71	11.87	6.9	12.03	12.19
11.88	12.04	7.0	12.21	12.37
12.05	12.21	7.1	12.38	12.55
12.22	12.39	7.2	12.55	12.72
12.39	12.56	7.3	12.73	12.90
12.56	12.73	7.4	12.90	13.08
12.73	12.90	7.5	13.08	13.25
12.90	13.07	7.6	13.25	13.43
13.07	13.25	7.7	13.43	13.61
13.24	13.42	7.8	13.60	13.78
13.41	13.59	7.9	13.77	13.96
13.58	13.76	8.0	13.95	14.14
13.75	13.93	8.1	14.12	14.31
13.92	14.11	8.2	14.30	14.49
14.09	14.28	8.3	14.47	14.67
14.26	14.45	8.4	14.65	14.84
14.43	14.62	8.5	14.82	15.02
14.60	14.79	8.6	15.00	15.20
14.77	14.97	8.7	15.17	15.37
14.94	15.14	8.8	15.34	15.55
15.10	15.31	8.9	15.52	15.73
15.27	15.48	9.0	15.69	15.90
15.44	15.66	9.1	15.87	16.08
15.61	15.83	9.2	16.04	16.26
15.78	16.00	9.3	16.22	16.43
15.95	16.17	9.4	16.39	16.61
16.12	16.34	9.5	16.56	16.79
16.29	16.52	9.6	16.74	16.96
16.46	16.69	9.7	16.91	17.14
16.63	16.86	9.8	17.09	17.32
16.80	17.03	9.9	17.26	17.49
16.97	17.20	10.0	17.44	17.67

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
151	152		153	154
1.791	1.815	1.0	1.839	1.863
1.970	1.996	1.1	2.022	2.049
2.149	2.177	1.2	2.206	2.235
2.328	2.359	1.3	2.390	2.421
2.507	2.540	1.4	2.574	2.608
2.686	2.722	1.5	2.758	2.794
2.865	2.903	1.6	2.942	2.980
3.044	3.085	1.7	3.126	3.167
3.223	3.266	1.8	3.309	3.353
3.402	3.448	1.9	3.493	3.539
3.582	3.629	2.0	3.677	3.725
3.761	3.811	2.1	3.861	3.912
3.940	3.992	2.2	4.045	4.098
4.119	4.174	2.3	4.229	4.284
4.298	4.355	2.4	4.412	4.470
4.477	4.536	2.5	4.596	4.657
4.656	4.718	2.6	4.780	4.843
4.835	4.899	2.7	4.964	5.029
5.014	5.081	2.8	5.148	5.215
5.193	5.262	2.9	5.332	5.402
5.372	5.444	3.0	5.516	5.588
5.551	5.625	3.1	5.699	5.774
5.731	5.807	3.2	5.883	5.960
5.910	5.988	3.3	6.067	6.147
6.089	6.170	3.4	6.251	6.333
6.268	6.351	3.5	6.435	6.519
6.447	6.532	3.6	6.619	6.706
6.626	6.714	3.7	6.803	6.892
6.805	6.895	3.8	6.986	7.078
6.984	7.077	3.9	7.170	7.264
7.163	7.258	4.0	7.354	7.451
7.342	7.440	4.1	7.538	7.637
7.521	7.621	4.2	7.722	7.823
7.700	7.803	4.3	7.906	8.009
7.879	7.984	4.4	8.090	8.196
8.059	8.166	4.5	8.273	8.382
8.238	8.347	4.6	8.457	8.568
8.417	8.529	4.7	8.641	8.754
8.596	8.710	4.8	8.825	8.941
8.775	8.891	4.9	9.009	9.127
8.954	9.073	5.0	9.193	9.313
9.133	9.254	5.1	9.377	9.500
9.312	9.436	5.2	9.560	9.686
9.491	9.617	5.3	9.744	9.872
9.670	9.799	5.4	9.928	10.06

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
151	152		153	154
9.849	9.980	5.5	10.11	10.24
10.03	10.16	5.6	10.30	10.43
10.21	10.34	5.7	10.48	10.62
10.39	10.52	5.8	10.66	10.80
10.57	10.71	5.9	10.85	10.99
10.74	10.89	6.0	11.03	11.18
10.92	11.07	6.1	11.22	11.36
11.10	11.25	6.2	11.40	11.55
11.28	11.43	6.3	11.58	11.73
11.46	11.61	6.4	11.77	11.92
11.64	11.79	6.5	11.95	12.11
11.82	11.98	6.6	12.13	12.29
12.00	12.16	6.7	12.32	12.48
12.18	12.34	6.8	12.50	12.67
12.36	12.52	6.9	12.69	12.85
12.54	12.70	7.0	12.87	13.04
12.71	12.88	7.1	13.05	13.22
12.89	13.06	7.2	13.24	13.41
13.07	13.25	7.3	13.42	13.60
13.25	13.43	7.4	13.61	13.78
13.43	13.61	7.5	13.79	13.97
13.61	13.79	7.6	13.97	14.16
13.79	13.97	7.7	14.16	14.34
13.97	14.15	7.8	14.34	14.53
14.15	14.34	7.9	14.52	14.71
14.33	14.52	8.0	14.71	14.90
14.51	14.70	8.1	14.89	15.09
14.68	14.88	8.2	15.08	15.27
14.86	15.06	8.3	15.26	15.46
15.04	15.24	8.4	15.44	15.65
15.22	15.42	8.5	15.63	15.83
15.40	15.61	8.6	15.81	16.02
15.58	15.79	8.7	16.00	16.21
15.76	15.97	8.8	16.18	16.39
15.94	16.15	8.9	16.36	16.58
16.12	16.33	9.0	16.55	16.76
16.30	16.51	9.1	16.73	16.95
16.48	16.69	9.2	16.91	17.14
16.65	16.88	9.3	17.10	17.32
16.83	17.06	9.4	17.28	17.51
17.01	17.24	9.5	17.47	17.70
17.19	17.42	9.6	17.65	17.88
17.37	17.60	9.7	17.83	18.07
17.55	17.78	9.8	18.02	18.25
17.73	17.96	9.9	18.20	18.44
17.91	18.15	10.0	18.39	18.63

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
155	156		157	158
2.087	2.112	1.0	2.138	2.164
2.295	2.324	1.1	2.352	2.381
2.504	2.535	1.2	2.566	2.597
2.713	2.746	1.3	2.780	2.814
2.921	2.957	1.4	2.994	3.030
3.130	3.169	1.5	3.207	3.246
3.339	3.380	1.6	3.421	3.463
3.547	3.591	1.7	3.635	3.679
3.756	3.802	1.8	3.849	3.896
3.965	4.014	1.9	4.063	4.112
4.173	4.225	2.0	4.276	4.328
4.382	4.436	2.1	4.490	4.545
4.591	4.647	2.2	4.704	4.761
4.799	4.859	2.3	4.918	4.978
5.008	5.070	2.4	5.132	5.194
5.217	5.281	2.5	5.346	5.411
5.425	5.492	2.6	5.559	5.627
5.634	5.703	2.7	5.773	5.843
5.843	5.915	2.8	5.987	6.060
6.051	6.126	2.9	6.201	6.276
6.260	6.337	3.0	6.415	6.493
6.469	6.548	3.1	6.629	6.709
6.678	6.760	3.2	6.842	6.926
6.886	6.971	3.3	7.056	7.142
7.095	7.182	3.4	7.270	7.358
7.304	7.393	3.5	7.484	7.575
7.512	7.605	3.6	7.698	7.791
7.721	7.816	3.7	7.912	8.008
7.930	8.027	3.8	8.125	8.224
8.138	8.238	3.9	8.339	8.441
8.347	8.450	4.0	8.553	8.657
8.556	8.661	4.1	8.767	8.873
8.764	8.872	4.2	8.981	9.090
8.973	9.083	4.3	9.194	9.306
9.182	9.295	4.4	9.408	9.523
9.390	9.506	4.5	9.622	9.739
9.599	9.717	4.6	9.836	9.956
9.808	9.928	4.7	10.05	10.17
10.02	10.14	4.8	10.26	10.39
10.22	10.35	4.9	10.48	10.60
10.43	10.56	5.0	10.69	10.82
10.64	10.77	5.1	10.91	11.04
10.85	10.98	5.2	11.12	11.25
11.06	11.20	5.3	11.33	11.47
11.27	11.41	5.4	11.55	11.69

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
155	156		157	158
11.48	11.62	5.5	11.76	11.90
11.69	11.83	5.6	11.97	12.12
11.89	12.04	5.7	12.19	12.34
12.10	12.25	5.8	12.40	12.55
12.31	12.46	5.9	12.62	12.77
12.52	12.67	6.0	12.83	12.99
12.73	12.89	6.1	13.04	13.20
12.94	13.10	6.2	13.26	13.42
13.15	13.31	6.3	13.47	13.63
13.36	13.52	6.4	13.68	13.85
13.56	13.73	6.5	13.90	14.07
13.77	13.94	6.6	14.11	14.28
13.98	14.15	6.7	14.33	14.50
14.19	14.36	6.8	14.54	14.72
14.40	14.58	6.9	14.75	14.93
14.61	14.79	7.0	14.97	15.15
14.82	15.00	7.1	15.18	15.37
15.02	15.21	7.2	15.40	15.58
15.23	15.42	7.3	15.61	15.80
15.44	15.63	7.4	15.82	16.02
15.65	15.84	7.5	16.04	16.23
15.86	16.05	7.6	16.25	16.45
16.07	16.27	7.7	16.46	16.66
16.28	16.48	7.8	16.68	16.88
16.49	16.69	7.9	16.89	17.10
16.69	16.90	8.0	17.11	17.31
16.90	17.11	8.1	17.32	17.53
17.11	17.32	8.2	17.53	17.75
17.32	17.53	8.3	17.75	17.96
17.53	17.74	8.4	17.96	18.18
17.74	17.96	8.5	18.18	18.40
17.95	18.17	8.6	18.39	18.61
18.15	18.38	8.7	18.60	18.83
18.36	18.59	8.8	18.82	19.05
18.57	18.80	8.9	19.03	19.26
18.78	19.01	9.0	19.24	19.48
18.99	19.22	9.1	19.46	19.69
19.20	19.43	9.2	19.67	19.91
19.41	19.65	9.3	19.89	20.13
19.62	19.86	9.4	20.10	20.34
19.82	20.07	9.5	20.31	20.56
20.03	20.28	9.6	20.53	20.78
20.24	20.49	9.7	20.74	20.99
20.45	20.70	9.8	20.95	21.21
20.66	20.91	9.9	21.17	21.43
20.87	21.12	10.0	21.38	21.64

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
159	160		161	162
1.986	2.011	1.0	2.036	2.061
2.184	2.212	1.1	2.239	2.267
2.383	2.413	1.2	2.443	2.473
2.581	2.614	1.3	2.647	2.680
2.780	2.815	1.4	2.850	2.886
2.978	3.016	1.5	3.054	3.092
3.177	3.217	1.6	3.257	3.298
3.375	3.418	1.7	3.461	3.504
3.574	3.619	1.8	3.664	3.710
3.773	3.820	1.9	3.868	3.916
3.971	4.021	2.0	4.072	4.122
4.170	4.222	2.1	4.275	4.329
4.368	4.423	2.2	4.479	4.535
4.567	4.624	2.3	4.682	4.741
4.765	4.825	2.4	4.886	4.947
4.964	5.027	2.5	5.090	5.153
5.162	5.228	2.6	5.293	5.359
5.361	5.429	2.7	5.497	5.565
5.560	5.630	2.8	5.700	5.771
5.758	5.831	2.9	5.904	5.977
5.957	6.032	3.0	6.107	6.184
6.155	6.233	3.1	6.311	6.390
6.354	6.434	3.2	6.515	6.596
6.552	6.635	3.3	6.718	6.802
6.751	6.836	3.4	6.922	7.008
6.949	7.037	3.5	7.125	7.214
7.148	7.238	3.6	7.329	7.420
7.347	7.439	3.7	7.533	7.626
7.545	7.640	3.8	7.736	7.833
7.744	7.841	3.9	7.940	8.039
7.942	8.042	4.0	8.143	8.245
8.141	8.244	4.1	8.347	8.451
8.339	8.445	4.2	8.550	8.657
8.538	8.646	4.3	8.754	8.863
8.736	8.847	4.4	8.958	9.069
8.935	9.048	4.5	9.161	9.275
9.134	9.249	4.6	9.365	9.482
9.332	9.450	4.7	9.568	9.688
9.531	9.651	4.8	9.772	9.894
9.729	9.852	4.9	9.976	10.10
9.928	10.05	5.0	10.18	10.31
10.13	10.25	5.1	10.38	10.51
10.32	10.46	5.2	10.59	10.72
10.52	10.66	5.3	10.79	10.92
10.72	10.86	5.4	10.99	11.13

Volume in Cubic Metres

Mid-diameter in Centimetres		Length in Metres	Mid-diameter in Centimetres	
159	160		161	162
10.92	11.06	5.5	11.20	11.34
11.12	11.26	5.6	11.40	11.54
11.32	11.46	5.7	11.60	11.75
11.52	11.66	5.8	11.81	11.95
11.71	11.86	5.9	12.01	12.16
11.91	12.06	6.0	12.21	12.37
12.11	12.26	6.1	12.42	12.57
12.31	12.47	6.2	12.62	12.78
12.51	12.67	6.3	12.83	12.99
12.71	12.87	6.4	13.03	13.19
12.91	13.07	6.5	13.23	13.40
13.10	13.27	6.6	13.44	13.60
13.30	13.47	6.7	13.64	13.81
13.50	13.67	6.8	13.84	14.02
13.70	13.87	6.9	14.05	14.22
13.90	14.07	7.0	14.25	14.43
14.10	14.28	7.1	14.45	14.63
14.30	14.48	7.2	14.66	14.84
14.49	14.68	7.3	14.86	15.05
14.69	14.88	7.4	15.07	15.25
14.89	15.08	7.5	15.27	15.46
15.09	15.28	7.6	15.47	15.67
15.29	15.48	7.7	15.68	15.87
15.49	15.68	7.8	15.88	16.08
15.69	15.88	7.9	16.08	16.28
15.88	16.08	8.0	16.29	16.49
16.08	16.29	8.1	16.49	16.70
16.28	16.49	8.2	16.69	16.90
16.48	16.69	8.3	16.90	17.11
16.68	16.89	8.4	17.10	17.31
16.88	17.09	8.5	17.30	17.52
17.08	17.29	8.6	17.51	17.73
17.27	17.49	8.7	17.71	17.93
17.47	17.69	8.8	17.92	18.14
17.67	17.89	8.9	18.12	18.34
17.87	18.10	9.0	18.32	18.55
18.07	18.30	9.1	18.53	18.76
18.27	18.50	9.2	18.73	18.96
18.47	18.70	9.3	18.93	19.17
18.66	18.90	9.4	19.14	19.38
18.86	19.10	9.5	19.34	19.58
19.06	19.30	9.6	19.54	19.79
19.26	19.50	9.7	19.75	19.99
19.46	19.70	9.8	19.95	20.20
19.66	19.91	9.9	20.15	20.41
19.86	20.11	10.0	20.36	20.61

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