

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
12.0	0.5	0.142
12.0	0.6	0.169
12.0	0.8	0.221
12.0	1	0.271
12.0	1.2	0.320
12.0	1.4	0,366
12.0	1.6	0.410
12.0	1.8	0.453
12.0	2.0	0.493
12.0	2.3	0.550
12.0	2.6	0.603
12.0	2.9	0.651
12.0	3.2	0.694
12.7	0.5	0.150
12.7	0.6	0.179
12.7	0.8	0.235
12.7	1	0.289
12.7	1.2	0.340
12.7	1.4	0.390
12.7	1.6	0.438
12.7	1.8	0.484
12.7	2.0	0.528
12.7	2.3	0.590
12.7	2.6	0.648
12.7	2.9	0.701
12.7	3.2	0.750
16.0	0.5	0.191
16.0	0.6	0.228
16.0	0.8	300
16.0	1	370
16.0	1.2	438
16.0	1.4	0.504
16.0	1.6	0.568
16.0	1.8	0.63
16.0	2.0	0.691

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
16.0	2.3	0.777
16.0	2.6	0.859
16.0	2.9	0.937
16.0	3.2	1.01
16.0	3.6	1.10
16.0	4	1.18
19.0	0.5	0.228
19.0	0.6	0.272
19.0	0.8	0.359
19.0	1	0.444
19.0	1.2	0.527
19.0	1.4	0.608
19.0	1.6	0.687
19.0	1.8	0.764
19.0	2.0	0.838
19.0	2.3	0.947
19.0	2.6	1.05
19.0	2.9	1.15
19.0	3.2	1.25
19.0	3.6	1.37
19.0	4	1.48
19.0	4.5	1.61
19.0	5	1.73
20.0	0.5	0.240
20.0	0.6	0.287
20.0	0.8	0.379
20.0	1	0.469
20.0	1.2	0.556
20.0	1.4	0.642
20.0	1.6	0.726
20.0	1.8	0.808
20.0	2.0	0.888
20.0	2.3	1.00
20.0	2.6	1.12
20.0	2.9	1.22

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
20.0	3.2	1.33
20.0	3.6	1.46
20.0	4	1.58
20.0	4.5	1.72
20.0	5	1.85
25.0	0.5	0.302
25.0	0.6	0.361
25.0	0.8	0.477
25.0	1	0.592
25.0	1.2	0.704
25.0	1.4	0.815
25.0	1.6	0.923
25.0	1.8	1.03
25.0	2.0	1.13
25.0	2.3	1.29
25.0	2.6	1.44
25.0	2.9	1.58
25.0	3.2	1.72
25.0	3.6	1.90
25.0	4	2.07
25.0	4.5	2.28
25.0	5	2.47
25.0	5.4	2.61
25.0	5.6	2.68
25.0	6.3	2.91
31.8	0.5	0.386
31.8	0.6	0.462
31.8	0.8	0.612
31.8	1	0.760
31.8	1.2	0.906
31.8	1.4	1.05
31.8	1.6	1.19
31.8	1.8	1.33
31.8	2.0	1.47
31.8	2.3	1.67

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
31.8	2.6	1.87
31.8	2.9	2.07
31.8	3.2	2.26
31.8	3.6	2.50
31.8	4	2.74
31.8	4.5	3.03
31.8	5	3.30
31.8	5.4	3.52
31.8	5.6	3.62
31.8	6.3	3.96
31.8	7.1	4.32
31.8	8	4.70
32.0	0.5	0.388
32.0	0.6	0.465
32.0	0.8	0.616
32.0	1	0.765
32.0	1.2	0.911
32.0	1.4	1.06
32.0	1.6	1.20
32.0	1.8	1.34
32.0	2.0	1.48
32.0	2.3	1.68
32.0	2.6	1.89
32.0	2.9	2.08
32.0	3.2	2.27
32.0	3.6	2.52
32.0	4	2.76
32.0	4.5	3.05
32.0	5	3.33
32.0	5.4	3.54
32.0	5.6	3.65
32.0	6.3	3.99
32.0	7.1	4.36
32.0	8	4.74
38.0	0.5	0.462

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
38.0	0.6	0.553
38.0	0.8	0.734
38.0	1	0.912
38.0	1.2	1.09
38.0	1.4	1.26
38.0	1.6	1.44
38.0	1.8	1.61
38.0	2.0	1.78
38.0	2.3	2.02
38.0	2.6	2.27
38.0	2.9	2.51
38.0	3.2	2.75
38.0	3.6	3.05
38.0	4	3.35
38.0	4.5	3.72
38.0	5	4.07
38.0	5.4	4.34
38.0	5.6	4.47
38.0	6.3	4.93
38.0	7.1	5.41
38.0	8.0	5.92
38.0	8.8	6.34
38.0	10	6.91
40.0	0.5	0.487
40.0	0.6	0.583
40.0	0.8	0.773
40.0	1	0.962
40.0	1.2	1.15
40.0	1.4	1.33
40.0	1.6	1.52
40.0	1.8	1.70
40.0	2.0	1.87
40.0	2.3	2.14
40.0	2.6	2.40
40.0	2.9	2.65

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
40.0	3.2	2.90
40.0	3.6	3.23
40.0	4	3.55
40.0	4.5	3.94
40.0	5	4.32
40.0	5.4	4.61
40.0	5.6	4.75
40.0	6.3	5.24
40.0	7.1	5.76
40.0	8.0	6.31
40.0	8.8	6.77
40.0	10	7.4
51.0	0.6	0.746
51.0	0.8	0.990
51.0	1	1.23
51.0	1.2	1.47
51.0	1.4	1.71
51.0	1.6	1.95
51.0	1.8	2.18
51.0	2.0	2.42
51.0	2.3	2.76
51.0	2.6	3.10
51.0	2.9	3.44
51.0	3.2	3.77
51.0	3.6	4.21
51.0	4	4.64
51.0	4.5	5.16
51.0	5	5.67
51.0	5.4	6.07
51.0	5.6	6.27
51.0	6.3	6.94
51.0	7.1	7.69
51.0	8	8.48
51.0	8.8	9.16
51.0	10	10.1

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
51.0	11	10.9
51.0	12.5	11.9
57.0	0.6	0.835
57.0	0.8	1.11
57.0	1	1.38
57.0	1.2	1.65
57.0	1.4	1.92
57.0	1.6	2.19
57.0	1.8	2.45
57.0	2.0	2.71
57.0	2.3	3.10
57.0	2.6	3.49
57.0	2.9	3.87
57.0	3.2	4.25
57.0	3.6	4.74
57.0	4	5.23
57.0	4.5	5.83
57.0	5	6.41
57.0	5.4	6.87
57.0	5.6	7.10
57.0	6.3	7.88
57.0	7.1	8.74
57.0	8	9.67
57.0	8.8	10.5
57.0	10	11.6
57.0	11	12.5
57.0	12.5	13.7
57.0	14.2	15.0
63.5	0.6	0.931
63.5	0.8	1.24
63.5	1	1.54
63.5	1.2	1.84
63.5	1.4	2.14
63.5	1.6	2.44
63.5	1.8	2.74

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
63.5	2.0	3.03
63.5	2.3	3.47
63.5	2.6	3.90
63.5	2.9	4.33
63.5	3.2	4.76
63.5	3.6	5.32
63.5	4	5.87
63.5	4.5	6.55
63.5	5	7.21
63.5	5.4	7.74
63.5	5.6	8.00
63.5	6.3	8.89
63.5	7.1	9.88
63.5	8	10.9
63.5	8.8	11.9
63.5	10	13.2
63.5	11	14.2
63.5	12.5	15.7
63.5	14.2	17.3
63.5	16	18.7
70.0	0.8	1.37
70.0	1	1.70
70.0	1.2	2.04
70.0	1.4	2.37
70.0	1.6	2.70
70.0	1.8	3.03
70.0	2.0	3.35
70.0	2.3	3.84
70.0	2.6	4.32
70.0	2.9	4.80
70.0	3.2	5.27
70.0	3.6	5.90
70.0	4	6.51
70.0	4.5	7.27
70.0	5	8.01

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
70.0	5.4	8.60
70.0	5.6	8.89
70.0	6.3	9.90
70.0	7.1	11.0
70.0	8	12.2
70.0	8.8	13.3
70.0	10	14.8
70.0	11	16.0
70.0	12.5	17.7
70.0	14.2	19.5
70.0	16	21.3
70.0	17.5	22.7
101.6	1.2	2.97
101.6	1.4	3.46
101.6	1.6	3.95
101.6	1.8	4.43
101.6	2.0	4.91
101.6	2.3	5.63
101.6	2.6	6.35
101.6	2.9	7.06
101.6	3.2	7.77
101.6	3.6	8.70
101.6	4	9.63
101.6	4.5	10.8
101.6	5	11.9
101.6	5.4	12.8
101.6	5.6	13.3
101.6	6.3	14.8
101.6	7.1	16.5
101.6	8	18.5
101.6	8.8	20.1
101.6	10	22.6
101.6	11	24.6
101.6	12.5	27.5
101.6	14.2	30.6

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
101.6	16	338
101.6	17.5	36.3
101.6	20	40.2
101.6	22.2	43.5
101.6	25	47.2
101.6	28	50.8
127.0	1.6	4.95
127.0	1.8	5.56
127.0	2.0	6.17
127.0	2.3	7.07
127.0	2.6	7.98
127.0	2.9	8.88
127.0	3.2	9.77
127.0	3.6	11.0
127.0	4	12.1
127.0	4.5	13.6
127.0	5	15.0
127.0	5.4	16.2
127.0	5.6	16.8
127.0	6.3	18.8
127.0	7.1	21.0
127.0	8	23.5
127.0	8.8	25.7
127.0	10	28.9
127.0	11	31.5
127.0	12.5	35.3
127.0	14.2	39.5
127.0	16	43.8
127.0	17.5	47.3
127.0	20	52.8
127.0	22.2	57.4
127.0	25	62.9
127.0	28	68.4
127.0	30	71.8
127.0	32	75.0

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
127.0	36	80.8
133.0	1.6	5.18
133.0	1.8	5.82
133.0	2.0	6.46
133.0	2.3	7.41
133.0	2.6	8.36
133.0	2.9	9.3
133.0	3.2	10.2
133.0	3.6	11.5
133.0	4	12.7
133.0	4.5	14.3
133.0	5	15.8
133.0	5.4	17.0
133.0	5.6	17.6
133.0	6.3	19.7
133.0	7.1	22.0
133.0	8	24.7
133.0	8.8	27.0
133.0	10	30.3
133.0	11	33.1
133.0	12.5	37.1
133.0	14.2	41.6
133.0	16	46.2
133.0	17.5	49.8
133.0	20	55.7
133.0	22.2	60.7
133.0	25	66.6
133.0	28	72.5
133.0	30	76.2
133.0	32	79.7
133.0	36	86.1
762	4	74.8
762	4.5	84.1
762	5	93.3
762	5.4	101

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
762	5.6	104
762	6.3	117
762	7.1	132
762	8	149
762	8.8	163
762	10	185
762	11	204
762	12.5	231
762	14.2	262
762	16	294
762	17.5	321
762	20	366
762	22.2	405
762	25	454
762	28	507
762	30	542
762	32	576
762	36	645
762	40	712
762	45	796
762	50	878
762	55	959
762	60	1039
762	65	1117
1168	5	143
1168	5.4	155
1168	5.6	161
1168	6.3	180
1168	7.1	203
1168	8	229
1168	8.8	252
1168	10	286
1168	11	314
1168	12.5	356
1168	14.2	404

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1168	16	455
1168	17.5	497
1168	20	566
1168	22.2	627
1168	25	705
1168	28	787
1168	30	842
1168	32	896
1168	36	1005
1168	40	1113
1168	45	1246
1168	50	1379
1168	55	1510
1168	60	1639
1168	65	1768
1321	5.6	182
1321	6.3	204
1321	7.1	230
1321	8	259
1321	8.8	285
1321	10	323
1321	11	355
1321	12.5	403
1321	14.2	458
1321	16	515
1321	17.5	563
1321	20	642
1321	22.2	711
1321	25	799
1321	28	893
1321	30	955
1321	32	1017
1321	36	1141
1321	40	1264
1321	45	1416

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1321	50	1567
1321	55	1717
1321	60	1866
1321	65	2013
1524	6.3	236
1524	7.1	266
1524	8	299
1524	8.8	329
1524	10	373
1524	11	410
1524	12.5	466
1524	14.2	529
1524	16	595
1524	17.5	650
1524	20	742
1524	22.2	822
1524	25	924
1524	28	1033
1524	30	1105
1524	32	1177
1524	36	1321
1524	40	1464
1524	45	1641
1524	50	1818
1524	55	1993
1524	60	2166
1524	65	2339
1727	7.1	301
1727	8	339
1727	8.8	373
1727	10	423
1727	11	466
1727	12.5	529
1727	14.2	600
1727	16	675

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1727	17.5	738
1727	20	842
1727	22.2	933
1727	25	1049
1727	28	1173
1727	30	1256
1727	32	1338
1727	36	1501
1727	40	1664
1727	45	1867
1727	50	2068
1727	55	2268
1727	60	2467
1727	65	2664
1930	8	379
1930	8.8	417
1930	10	474
1930	11	521
1930	12.5	591
1930	14.2	671
1930	16	755
1930	17.5	825
1930	20	942
1930	22.2	1044
1930	25	1175
1930	28	1313
1930	30	1406
1930	32	1498
1930	36	1682
1930	40	1864
1930	45	2092
1930	50	2318
1930	55	2543
1930	60	2767
1930	65	2990

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
2134	8.8	461
2134	10	524
2134	11	576
2134	12.5	654
2134	14.2	742
2134	16	836
2134	17.5	913
2134	20	1043
2134	22.2	1156
2134	25	1300
2134	28	1454
2134	30	1557
2134	32	1659
2134	36	1863
2134	40	2066
2134	45	2318
2134	50	2570
2134	55	2820
2134	60	3069
2134	65	3317
2337	10	574
2337	11	631
2337	12.5	717
2337	14.2	813
2337	16	916
2337	17.5	1001
2337	20	1143
2337	22.2	1267
2337	25	1425
2337	28	1594
2337	30	1707
2337	32	1819
2337	36	2043
2337	40	2266
2337	45	2544

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
2337	50	2820
2337	55	3095
2337	60	3369
2337	65	3642
2438	10	599
2438	11	658
2438	12.5	748
2438	14.2	849
2438	16	956
2438	17.5	1045
2438	20	1193
2438	22.2	1323
2438	25	1488
2438	28	1664
2438	30	1782
2438	32	1899
2438	36	2133
2438	40	2366
2438	45	2656
2438	50	2945
2438	55	3232
2438	60	3519
2438	65	3804