

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
10.2	0.5	0.120
10.2	0.6	0.142
10.2	0.8	0.185
10.2	1	0.227
10.2	1.2	0.266
10.2	1.4	0.304
10.2	1.6	0.339
10.2	1.8	0.373
10.2	2.0	0.404
10.2	2.3	0.448
10.2	2.6	0.487
13.5	0.5	0.160
13.5	0.6	0.191
13.5	0.8	0.251
13.5	1	0.308
13.5	1.2	0.364
13.5	1.4	0.418
13.5	1.6	0.470
13.5	1.8	0.519
13.5	2.0	0.567
13.5	2.3	0.636
13.5	2.6	0.699
13.5	2.9	0.758
13.5	3.2	0.813
13.5	3.6	0.879
17.2	0.5	0.206
17.2	0.6	0.246
17.2	0.8	0.324
17.2	1	0.400
17.2	1.2	0.474
17.2	1.4	0.546
17.2	1.6	0.616
17.2	1.8	0.684
17.2	2.0	0.75

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
17.2	2.3	0.845
17.2	2.6	0.936
17.2	2.9	1.02
17.2	3.2	1.10
17.2	3.6	1.21
17.2	4	1.30
17.2	4.5	1.41
21.3	0.5	0.256
21.3	0.6	0.306
21.3	0.8	0.404
21.3	1	0.501
21.3	1.2	0.595
21.3	1.4	0.687
21.3	1.6	0.777
21.3	1.8	0.866
21.3	2.0	0.952
21.3	2.3	1.08
21.3	2.6	1.20
21.3	2.9	1.32
21.3	3.2	1.43
21.3	3.6	1.57
21.3	4	1.71
21.3	4.5	1.86
21.3	5	2.01
21.3	5.4	2.12
26.9	0.5	0.326
26.9	0.6	0.389
26.9	0.8	0.515
26.9	1	0.639
26.9	1.2	0.761
26.9	1.4	0.880
26.9	1.6	0.998
26.9	1.8	1.11
26.9	2.0	1.23

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
26.9	2.3	1.40
26.9	2.6	1.56
26.9	2.9	1.72
26.9	3.2	1.87
26.9	3.6	2.07
26.9	4	2.26
26.9	4.5	2.49
26.9	5	2.70
26.9	5.4	2.86
26.9	5.6	2.94
26.9	6.3	3.20
26.9	7.1	3.47
26.9	8	3.73
33.7	0.5	0.409
33.7	0.6	0.490
33.7	0.8	0.649
33.7	1	0.806
33.7	1.2	0.962
33.7	1.4	1.12
33.7	1.6	1.27
33.7	1.8	1.42
33.7	2.0	1.56
33.7	2.3	1.78
33.7	2.6	1.99
33.7	2.9	2.20
33.7	3.2	2.41
33.7	3.6	2.67
33.7	4	2.93
33.7	4.5	3.24
33.7	5	3.54
33.7	5.4	3.77
33.7	5.6	3.88
33.7	6.3	4.26
33.7	7.1	4.66

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
33.7	8	5.07
33.7	8.8	5.40
42.4	0.5	0.517
42.4	0.6	0.619
42.4	0.8	0.821
42.4	1	0.102
42.4	1.2	0.122
42.4	1.4	1.42
42.4	1.6	1.61
42.4	1.8	1.80
42.4	2.0	1.99
42.4	2.3	2.27
42.4	2.6	2.55
42.4	2.9	2.82
42.4	3.2	3.09
42.4	3.6	3.44
42.4	4	3.79
42.4	4.5	4.21
42.4	5	4.61
42.4	5.4	4.93
42.4	5.6	5.08
42.4	6.3	5.61
42.4	7.1	6.18
42.4	8.0	6.79
42.4	8.8	7.29
42.4	10	7.99
48.3	0.6	0.706
48.3	0.8	0.937
48.3	1	1.17
48.3	1.2	1.39
48.3	1.4	1.62
48.3	1.6	1.84
48.3	1.8	2.06
48.3	2.0	2.28

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
48.3	2.3	2.61
48.3	2.6	2.93
48.3	2.9	3.25
48.3	3.2	3.56
48.3	3.6	3.97
48.3	4	4.37
48.3	4.5	4.86
48.3	5	5.34
48.3	5.4	5.71
48.3	5.6	5.90
48.3	6.3	6.53
48.3	7.1	7.21
48.3	8	7.95
48.3	8.8	8.57
48.3	10	9.45
48.3	11	10.1
48.3	12.5	11.0
60.3	0.6	0.883
60.3	0.8	1.17
60.3	1	1.46
60.3	1.2	1.75
60.3	1.4	2.03
60.3	1.6	2.32
60.3	1.8	2.60
60.3	2.0	2.88
60.3	2.3	3.29
60.3	2.6	3.70
60.3	2.9	4.11
60.3	3.2	4.51
60.3	3.6	5.03
60.3	4	5.55
60.3	4.5	6.19
60.3	5	6.82
60.3	5.4	7.31

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
60.3	5.6	7.55
60.3	6.3	8.39
60.3	7.1	9.32
60.3	8	10.3
60.3	8.8	11.2
60.3	10	12.4
60.3	11	13.4
60.3	12.5	14.7
60.3	14.2	16.1
60.3	16	17.5
76.1	0.8	1.49
76.1	1	1.85
76.1	1.2	2.22
76.1	1.4	2.58
76.1	1.6	2.94
76.1	1.8	3.30
76.1	2.0	3.65
76.1	2.3	4.19
76.1	2.6	4.71
76.1	2.9	5.24
76.1	3.2	5.75
76.1	3.6	6.44
76.1	4	7.11
76.1	4.5	7.95
76.1	5	8.77
76.1	5.4	9.42
76.1	5.6	9.74
76.1	6.3	10.8
76.1	7.1	12.1
76.1	8	13.4
76.1	8.8	14.6
76.1	10	16.3
76.1	11	17.7
76.1	12.5	19.6

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
76.1	14.2	21.7
76.1	16	23.7
76.1	17.5	25.3
76.1	20	27.7
88.9	0.8	1.74
88.9	1	2.17
88.9	1.2	2.60
88.9	1.4	3.02
88.9	1.6	3.44
88.9	1.8	3.87
88.9	2.0	4.29
88.9	2.3	4.91
88.9	2.6	5.53
88.9	2.9	6.15
88.9	3.2	6.76
88.9	3.6	7.57
88.9	4	8.38
88.9	4.5	9.37
88.9	5	10.3
88.9	5.4	11.1
88.9	5.6	11.5
88.9	6.3	12.8
88.9	7.1	14.3
88.9	8	16.0
88.9	8.8	17.4
88.9	10	19.5
88.9	11	21.1
88.9	12.5	23.6
88.9	14.2	26.2
88.9	16	28.8
88.9	17.5	30.8
88.9	20	34.0
88.9	22.2	36.5
88.9	25	39.4

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
114.3	1.2	3.35
114.3	1.4	3.90
114.3	1.6	4.45
114.3	1.8	4.99
114.3	2.0	5.54
114.3	2.3	6.35
114.3	2.6	7.16
114.3	2.9	7.97
114.3	3.2	8.77
114.3	3.6	9.83
114.3	4	10.9
114.3	4.5	12.2
114.3	5	13.5
114.3	5.4	14.5
114.3	5.6	15.0
114.3	6.3	16.8
114.3	7.1	18.8
114.3	8	21.0
114.3	8.8	22.9
114.3	10	25.7
114.3	11	28.0
114.3	12.5	31.4
114.3	14.2	35.1
114.3	16	38.8
114.3	17.5	41.8
114.3	20	46.5
114.3	22.2	50.4
114.3	25	55.1
114.3	28	59.6
114.3	30	62.4
114.3	32	64.9
139.7	1.6	5.45
139.7	1.8	6.12
139.7	2.0	6.79

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
139.7	2.3	7.79
139.7	2.6	8.79
139.7	2.9	9.78
139.7	3.2	10.8
139.7	3.6	12.1
139.7	4	13.4
139.7	4.5	15.0
139.7	5	16.6
139.7	5.4	17.9
139.7	5.6	18.5
139.7	6.3	20.7
139.7	7.1	23.2
139.7	8	26.0
139.7	8.8	28.4
139.7	10	32.0
139.7	11	34.9
139.7	12.5	39.2
139.7	14.2	43.9
139.7	16	48.8
139.7	17.5	52.7
139.7	20	59.0
139.7	22.2	64.3
139.7	25	70.7
139.7	28	77.1
139.7	30	81.2
139.7	32	85.0
139.7	36	92.1
139.7	40	98.4
168.3	1.6	6.58
168.3	1.8	7.39
168.3	2.0	8.20
168.3	2.3	9.42
168.3	2.6	10.6
168.3	2.9	11.8

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
168.3	3.2	13.0
168.3	3.6	14.6
168.3	4	16.2
168.3	4.5	18.2
168.3	5	20.1
168.3	5.4	21.7
168.3	5.6	22.5
168.3	6.3	25.2
168.3	7.1	28.2
168.3	8	31.6
168.3	8.8	34.6
168.3	10	39.0
168.3	11	42.7
168.3	12.5	48.0
168.3	14.2	54.0
168.3	16	60.1
168.3	17.5	65.1
168.3	20	73.1
168.3	22.2	80.0
168.3	25	88.3
168.3	28	96.9
168.3	30	102
168.3	32	108
168.3	36	117
168.3	40	127
168.3	45	137
168.3	50	146
219.1	1.8	9.65
219.1	2.0	10.7
219.1	2.3	12.3
219.1	2.6	13.9
219.1	2.9	15.5
219.1	3.2	17.0
219.1	3.6	19.1

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
219.1	4	21.2
219.1	4.5	23.8
219.1	5	26.4
219.1	5.4	28.5
219.1	5.6	29.5
219.1	6.3	33.1
219.1	7.1	37.1
219.1	8	41.6
219.1	8.8	45.6
219.1	10	51.6
219.1	11	56.5
219.1	12.5	63.7
219.1	14.2	71.8
219.1	16	80.1
219.1	17.5	87.0
219.1	20	98.2
219.1	22.2	108
219.1	25	120
219.1	28	132
219.1	30	140
219.1	32	148
219.1	36	163
219.1	40	177
219.1	45	193
219.1	50	209
219.1	55	223
219.1	60	235
219.1	65	247
273.0	2.0	13.4
273.0	2.3	15.4
273.0	2.6	17.3
273.0	2.9	19.3
273.0	3.2	21.3
273.0	3.6	23.9

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
273.0	4	26.5
273.0	4.5	29.8
273.0	5	33.0
273.0	5.4	35.6
273.0	5.6	36.9
273.0	6.3	41.4
273.0	7.1	46.6
273.0	8	52.3
273.0	8.8	57.3
273.0	10	64.9
273.0	11	71.1
273.0	12.5	80.3
273.0	14.2	90.6
273.0	16	101
273.0	17.5	110
273.0	20	125
273.0	22.2	137
273.0	25	153
273.0	28	169
273.0	30	180
273.0	32	190
273.0	36	210
273.0	40	230
273.0	45	253
273.0	50	275
273.0	55	296
273.0	60	315
273.0	65	333
323.9	2.6	20.6
323.9	2.9	23.0
323.9	3.2	25.3
323.9	3.6	28.4
323.9	4	31.6
323.9	4.5	35.4

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
323.9	5	39.3
323.9	5.4	42.4
323.9	5.6	44.0
323.9	6.3	49.3
323.9	7.1	55.5
323.9	8	62.3
323.9	8.8	68.4
323.9	10	77.4
323.9	11	84.9
323.9	12.5	96
323.9	14.2	108
323.9	16	121
323.9	17.5	132
323.9	20	150
323.9	22.2	165
323.9	25	184
323.9	28	204
323.9	30	217
323.9	32	230
323.9	36	256
323.9	40	280
323.9	45	310
323.9	50	338
323.9	55	365
323.9	60	390
323.9	65	415
355.6	2.6	22.6
355.6	2.9	25.2
355.6	3.2	27.8
355.6	3.6	31.3
355.6	4	34.7
355.6	4.5	39.0
355.6	5	43.2
355.6	5.4	46.6

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
355.6	5.6	48.3
355.6	6.3	54.3
355.6	7.1	61.0
355.6	8	68.6
355.6	8.8	75.3
355.6	10	85.2
355.6	11	93.5
355.6	12.5	106
355.6	14.2	120
355.6	16	134
355.6	17.5	146
355.6	20	166
355.6	22.2	183
355.6	25	204
355.6	28	226
355.6	30	241
355.6	32	255
355.6	36	284
355.6	40	311
355.6	45	345
355.6	50	377
355.6	55	408
355.6	60	437
355.6	65	466
406.4	2.6	25.9
406.4	2.9	28.9
406.4	3.2	31.8
406.4	3.6	35.8
406.4	4	39.7
406.4	4.5	44.6
406.4	5	49.5
406.4	5.4	53.4
406.4	5.6	55.4
406.4	6.3	62.2

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
406.4	7.1	69.9
406.4	8	78.6
406.4	8.8	86.3
406.4	10	97.8
406.4	11	107
406.4	12.5	121
406.4	14.2	137
406.4	16	154
406.4	17.5	168
406.4	20	191
406.4	22.2	210
406.4	25	235
406.4	28	261
406.4	30	278
406.4	32	295
406.4	36	329
406.4	40	361
406.4	45	401
406.4	50	439
406.4	55	477
406.4	60	513
406.4	65	547
457.0	3.2	35.8
457.0	3.6	40.3
457.0	4	44.7
457.0	4.5	50.2
457.0	5	56.7
457.0	5.4	60.1
457.0	5.6	62.3
457.0	6.3	70.0
457.0	7.1	78.8
457.0	8	88.6
457.0	8.8	97.3
457.0	10	110

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
457.0	11	121
457.0	12.5	137
457.0	14.2	155
457.0	16	174
457.0	17.5	190
457.0	20	216
457.0	22.2	238
457.0	25	266
457.0	28	296
457.0	30	316
457.0	32	335
457.0	36	374
457.0	40	411
457.0	45	457
457.0	50	502
457.0	55	545
457.0	60	587
457.0	65	628
508	3.2	39.8
508	3.6	44.8
508	4	49.7
508	4.5	55.9
508	5	62.0
508	5.4	66.9
508	5.6	69.4
508	6.3	77.9
508	7.1	87.7
508	8	98.6
508	8.8	108
508	10	123
508	11	135
508	12.5	153
508	14.2	173
508	16	194

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
508	17.5	212
508	20	241
508	22.2	266
508	25	298
508	28	331
508	30	354
508	32	376
508	36	419
508	40	462
508	45	514
508	50	565
508	55	614
508	60	663
508	65	710
610	3.2	47.9
610	3.6	53.8
610	4	59.8
610	4.5	67.2
610	5	74.6
610	5.4	80.5
610	5.6	83.5
610	6.3	93.8
610	7.1	106
610	8	119
610	8.8	130
610	10	148
610	11	162
610	12.5	184
610	14.2	209
610	16	234
610	17.5	256
610	20	291
610	22.2	322
610	25	361

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
610	28	402
610	30	429
610	32	456
610	36	510
610	40	562
610	45	627
610	50	691
610	55	753
610	60	814
610	65	874
711	4	69.7
711	4.5	78.4
711	5	87.1
711	5.4	94.0
711	5.6	97.4
711	6.3	109
711	7.1	123
711	8	139
711	8.8	152
711	10	173
711	11	190
711	12.5	215
711	14.2	244
711	16	274
711	17.5	299
711	20	341
711	22.2	377
711	25	423
711	28	472
711	30	504
711	32	536
711	36	599
711	40	662
711	45	739

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
711	50	815
711	55	890
711	60	963
711	65	1036
813	4	79.8
813	4.5	89.7
813	5	99.6
813	5.4	108
813	5.6	112
813	6.3	125
813	7.1	141
813	8	159
813	8.8	175
813	10	198
813	11	218
813	12.5	247
813	14.2	280
813	16	314
813	17.5	343
813	20	391
813	22.2	433
813	25	486
813	28	542
813	30	579
813	32	616
813	36	690
813	40	763
813	45	852
813	50	941
813	55	1028
813	60	1114
813	65	1199
914	4	89.8
914	4.5	101

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
914	5	112
914	5.4	121
914	5.6	125
914	6.3	141
914	7.1	159
914	8	179
914	8.8	196
914	10	223
914	11	245
914	12.5	278
914	14.2	315
914	16	354
914	17.5	387
914	20	441
914	22.2	488
914	25	548
914	28	612
914	30	654
914	32	696
914	36	780
914	40	862
914	45	964
914	50	1065
914	55	1165
914	60	1264
914	65	1361
1016	4	99.8
1016	4.5	112
1016	5	125
1016	5.4	135
1016	5.6	140
1016	6.3	157
1016	7.1	177
1016	8	199

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1016	8.8	219
1016	10	248
1016	11	273
1016	12.5	309
1016	14.2	351
1016	16	395
1016	17.5	431
1016	20	491
1016	22.2	544
1016	25	611
1016	28	682
1016	30	729
1016	32	777
1016	36	870
1016	40	963
1016	45	1078
1016	50	1191
1016	55	1303
1016	60	1415
1016	65	1524
1067	5	131
1067	5.4	141
1067	5.6	147
1067	6.3	165
1067	7.1	186
1067	8	209
1067	8.8	230
1067	10	261
1067	11	286
1067	12.5	325
1067	14.2	369
1067	16	415
1067	17.5	453
1067	20	516

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1067	22.2	572
1067	25	642
1067	28	717
1067	30	767
1067	32	817
1067	36	915
1067	40	1013
1067	45	1134
1067	50	1254
1067	55	1373
1067	60	1490
1067	65	1606
1118	5	137
1118	5.4	148
1118	5.6	154
1118	6.3	173
1118	7.1	195
1118	8	219
1118	8.8	241
1118	10	273
1118	11	300
1118	12.5	341
1118	14.2	387
1118	16	435
1118	17.5	475
1118	20	542
1118	22.2	600
1118	25	674
1118	28	753
1118	30	805
1118	32	857
1118	36	961
1118	40	1063
1118	45	1191

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1118	50	1317
1118	55	1442
1118	60	1556
1118	65	1688
1219	5	150
1219	5.4	162
1219	5.6	168
1219	6.3	188
1219	7.1	212
1219	8	239
1219	8.8	263
1219	10	298
1219	11	328
1219	12.5	372
1219	14.2	422
1219	16	475
1219	17.5	519
1219	20	591
1219	22.2	655
1219	25	736
1219	28	822
1219	30	880
1219	32	937
1219	36	1050
1219	40	1163
1219	45	1303
1219	50	1441
1219	55	1579
1219	60	1715
1219	65	1850
1422	5.6	196
1422	6.3	220
1422	7.1	248
1422	8	279

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1422	8.8	307
1422	10	348
1422	11	383
1422	12.5	435
1422	14.2	493
1422	16	555
1422	17.5	606
1422	20	692
1422	22.2	766
1422	25	861
1422	28	963
1422	30	1030
1422	32	1097
1422	36	1231
1422	40	1363
1422	45	1528
1422	50	1692
1422	55	1854
1422	60	2015
1422	65	2175
1626	6.3	252
1626	7.1	283
1626	8	319
1626	8.8	351
1626	10	399
1626	11	438
1626	12.5	497
1626	14.2	564
1626	16	635
1626	17.5	694
1626	20	792
1626	22.2	878
1626	25	987
1626	28	1103

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
1626	30	1181
1626	32	1258
1626	36	1412
1626	40	1565
1626	45	1755
1626	50	1943
1626	55	2131
1626	60	2317
1626	65	2502
1829	7.1	319
1829	8	359
1829	8.8	395
1829	10	449
1829	11	493
1829	12.5	560
1829	14.2	636
1829	16	715
1829	17.5	782
1829	20	892
1829	22.2	989
1829	25	1112
1829	28	1244
1829	30	1331
1829	32	1418
1829	36	1592
1829	40	1765
1829	45	1980
1829	50	2194
1829	55	2406
1829	60	2618
1829	65	2828
2030	8	399
2030	8.8	439
2030	10	499

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
2030	11	548
2030	12.5	623
2030	14.2	707
2030	16	795
2030	17.5	869
2030	20	992
2030	22.2	1100
2030	25	1237
2030	28	1384
2030	30	1481
2030	32	1578
2030	36	1772
2030	40	1965
2030	45	2205
2030	50	2444
2030	55	2682
2030	60	2918
2030	65	3153
2235	8.8	483
2235	10	549
2235	11	604
2235	12.5	685
2235	14.2	776
2235	16	876
2235	17.5	957
2235	20	1093
2235	22.2	1211
2235	25	1363
2235	28	1524
2235	30	1631
2235	32	1739
2235	36	1952
2235	40	2165
2235	45	2430

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series 1: outside diameters for which all the accessories needed for the construction of piping systems are standardized

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
2235	50	2694
2235	55	2957
2235	60	3218
2235	65	3479
2540	10	624
2540	11	686
2540	12.5	779
2540	14.2	885
2540	16	996
2540	17.5	1089
2540	20	1243
2540	22.2	1378
2540	25	1551
2540	28	1735
2540	30	1857
2540	32	1979
2540	36	2223
2540	40	2466
2540	45	2769
2540	50	3070
2540	55	3371
2540	60	3670
2540	65	3967