

EN 10220 Table 1-
series 3: outside diameters for which very few standardized
accessories exist.

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
14	0.5	0.166
14	0.6	0.198
14	0.8	0.260
14	1	0.321
14	1.2	0.379
14	1.4	0.435
14	1.6	0.489
14	1.8	0.542
14	2.0	0.592
14	2.3	0.664
14	2.6	0.731
14	2.9	0.794
14	3.2	0.852
14	3.6	0.923
18	0.5	0.216
18	0.6	0.257
18	0.8	0.339
18	1	0.419
18	1.2	0.497
18	1.4	0.573
18	1.6	0.647
18	1.8	0.719
18	2.0	0.789
18	2.3	0.891
18	2.6	0.987
18	2.9	1.08
18	3.2	1.17
18	3.6	1.28
18	4	1.38
18	4.5	1.50
22	0.5	0.265
22	0.6	0.317
22	0.8	0.418
22	1	0.518

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
22	1.2	0.616
22	1.4	0.711
22	1.6	0.805
22	1.8	0.897
22	2.0	0.996
22	2.3	1.12
22	2.6	1.24
22	2.9	1.37
22	3.2	1.48
22	3.6	1.63
22	4	1.78
22	4.5	1.94
22	5	2.10
22	5.4	2.21
25.4	0.5	0.307
25.4	0.6	0.367
25.4	0.8	0.485
25.4	1	0.602
25.4	1.2	0.716
25.4	1.4	0.829
25.4	1.6	0.939
25.4	1.8	1.05
25.4	2.0	1.15
25.4	2.3	1.31
25.4	2.6	1.46
25.4	2.9	1.61
25.4	3.2	1.75
25.4	3.6	1.94
25.4	4	2.11
25.4	4.5	2.32
25.4	5	2.52
25.4	5.4	2.66
25.4	5.6	2.73
25.4	6.3	2.97

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
30	0.5	0.364
30	0.6	0.435
30	0.8	0.576
30	1	0.715
30	1.2	0.852
30	1.4	0.987
30	1.6	1.12
30	1.8	1.25
30	2.0	1.38
30	2.3	1.57
30	2.6	1.76
30	2.9	1.94
30	3.2	2.11
30	3.6	2.34
30	4	2.56
30	4.5	2.83
30	5	3.08
30	5.4	3.28
30	5.6	3.27
30	6.3	3.68
30	7.1	4.01
30	8	4.34
35	0.5	0.425
35	0.6	0.509
35	0.8	0.675
35	1	0.838
35	1.2	1.00
35	1.4	1.16
35	1.6	1.32
35	1.8	1.47
35	2.0	1.63
35	2.3	1.85
35	2.6	2.08
35	2.9	2.30

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accessories exist.

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
35	3.2	2.51
35	3.6	2.79
35	4	3.06
35	4.5	3.38
35	5	3.70
35	5.4	3.94
35	5.6	4.06
35	6.3	4.46
35	7.1	4.89
35	8.0	5.33
35	8.8	5.69
44.5	0.5	0.543
44.5	0.6	0.650
44.5	0.8	0.862
44.5	1	1.07
44.5	1.2	1.28
44.5	1.4	1.49
44.5	1.6	1.69
44.5	1.8	1.90
44.5	2.0	2.10
44.5	2.3	2.39
44.5	2.6	2.69
44.5	2.9	2.98
44.5	3.2	3.26
44.5	3.6	3.63
44.5	4	4.00
44.5	4.5	4.44
44.5	5	4.87
44.5	5.4	5.21
44.5	5.6	5.37
44.5	6.3	5.94
44.5	7.1	6.55
44.5	8	7.2
44.5	8.8	7.75

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accessories exist.

Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
44.5	10	8.51
44.5	11	9.09
44.5	12.5	9.86
54	0.6	0.79
54	0.8	1.05
54	1	1.31
54	1.2	1.56
54	1.4	1.82
54	1.6	2.07
54	1.8	2.32
54	2.0	2.56
54	2.3	2.93
54	2.6	3.30
54	2.9	3.65
54	3.2	4.01
54	3.6	4.47
54	4	4.93
54	4.5	5.49
54	5	6.04
54	5.4	5.47
54	5.6	6.68
54	6.3	7.41
54	7.1	8.21
54	8	9.08
54	8.8	9.81
54	10	10.9
54	11	11.7
54	12.5	12.8
54	14.2	13.9
73	0.8	1.42
73	1	1.78
73	1.2	2.12
73	1.4	2.47
73	1.6	2.82
73	1.8	3.16
73	2.0	3.5

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
73	2.3	4.01
73	2.6	4.51
73	2.9	5.01
73	3.2	5.51
73	3.6	6.16
73	4	6.81
73	4.5	7.60
73	5	8.38
73	5.4	9.00
73	5.6	9.31
73	6.3	10.4
73	7.1	11.5
73	8	12.8
73	8.8	13.9
73	10	15.5
73	11	16.8
73	12.5	18.7
73	14.2	20.6
73	16	22.5
73	17.5	24.0
82.5	0.8	1.61
82.5	1	2.01
82.5	1.2	2.41
82.5	1.4	2.80
82.5	1.6	3.19
82.5	1.8	3.58
82.5	2.0	3.97
82.5	2.3	4.55
82.5	2.6	5.12
82.5	2.9	5.69
82.5	3.2	6.26
82.5	3.6	7.00
82.5	4	7.74
82.5	4.5	8.66
82.5	5	9.56
82.5	5.4	10.3

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
82.5	5.6	10.6
82.5	6.3	11.8
82.5	7.1	13.2
82.5	8	14.7
82.5	8.8	16.0
82.5	10	17.9
82.5	11	19.4
82.5	12.5	21.6
82.5	14.2	23.9
82.5	16	26.2
82.5	17.5	28.1
82.5	20	30.8
82.5	22.2	33.0
108	1.2	3.16
108	1.4	3.68
108	1.6	4.20
108	1.8	4.71
108	2.0	5.23
108	2.3	6.00
108	2.6	6.76
108	2.9	7.52
108	3.2	8.27
108	3.6	9.27
108	4	10.3
108	4.5	11.5
108	5	12.7
108	5.4	13.7
108	5.6	14.1
108	6.3	15.8
108	7.1	17.7
108	8	19.7
108	8.8	21.5
108	10	24.2
108	11	26.3

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
108	12.5	29.4
108	14.2	32.8
108	16	36.3
108	17.5	39.1
108	20	43.4
108	22.2	47.0
108	25	51.2
108	28	55.2
108	30	57.7
141.3	1.6	5.51
141.3	1.8	6.19
141.3	2.0	6.87
141.3	2.3	7.88
141.3	2.6	8.89
141.3	2.9	9.90
141.3	3.2	10.9
141.3	3.6	12.2
141.3	4	13.5
141.3	4.5	15.2
141.3	5	16.8
141.3	5.4	18.1
141.3	5.6	18.7
141.3	6.3	21.0
141.3	7.1	23.5
141.3	8	26.3
141.3	8.8	28.8
141.3	10	32.4
141.3	11	35.3
141.3	12.5	39.7
141.3	14.2	44.5
141.3	16	49.4
141.3	17.5	53.4
141.3	20	59.8
141.3	22.2	65.2

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
141.3	25	71.7
141.3	28	78.2
141.3	30	82.3
141.3	32	86.3
141.3	36	93.5
141.3	40	99.9
152.4	1.6	5.95
152.4	1.8	6.69
152.4	2.0	7.42
152.4	2.3	8.51
152.4	2.6	9.61
152.4	2.9	10.7
152.4	3.2	11.8
152.4	3.6	13.2
152.4	4	14.6
152.4	4.5	16.4
152.4	5	18.2
152.4	5.4	19.6
152.4	5.6	20.3
152.4	6.3	22.7
152.4	7.1	25.4
152.4	8	28.5
152.4	8.8	31.2
152.4	10	35.1
152.4	11	38.4
152.4	12.5	43.1
152.4	14.2	48.4
152.4	16	53.8
152.4	17.5	58.2
152.4	20	65.3
152.4	22.2	71.3
152.4	25	78.5
152.4	28	85.9
152.4	30	90.6

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
152.4	32	95.0
152.4	36	103
152.4	40	111
152.4	45	119
159	1.6	6.21
159	1.8	6.98
159	2.0	7.74
159	2.3	8.89
159	2.6	10.0
159	2.9	11.2
159	3.2	12.3
159	3.6	13.8
159	4	15.3
159	4.5	17.1
159	5	19.0
159	5.4	20.5
159	5.6	21.2
159	6.3	23.7
159	7.1	26.6
159	8	29.8
159	8.8	32.6
159	10	36.7
159	11	40.1
159	12.5	45.2
159	14.2	50.7
159	16	56.4
159	17.5	61.1
159	20	68.6
159	22.2	74.9
159	25	82.6
159	28	90.5
159	30	95.4
159	32	100
159	36	109

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
159	40	117
159	45	127
177.8	1.8	7.81
177.8	2.0	8.67
177.8	2.3	9.95
177.8	2.6	11.2
177.8	2.9	12.5
177.8	3.2	13.8
177.8	3.6	15.5
177.8	4	17.1
177.8	4.5	19.2
177.8	5	21.3
177.8	5.4	23.0
177.8	5.6	23.8
177.8	6.3	26.6
177.8	7.1	29.9
177.8	8	33.5
177.8	8.8	36.7
177.8	10	41.4
177.8	11	45.2
177.8	12.5	51.0
177.8	14.2	57.3
177.8	16	63.8
177.8	17.5	69.2
177.8	20	77.8
177.8	22.2	85.2
177.8	25	94.2
177.8	28	103
177.8	30	109
177.8	32	115
177.8	36	126
177.8	40	136
177.8	45	147
177.8	50	158

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
177.8	55	167
193.7	1.8	8.52
193.7	2.0	9.46
193.7	2.3	10.9
193.7	2.6	12.3
193.7	2.9	13.6
193.7	3.2	15.0
193.7	3.6	16.9
193.7	4	18.7
193.7	4.5	21.0
193.7	5	23.3
193.7	5.4	25.1
193.7	5.6	26.0
193.7	6.3	29.1
193.7	7.1	32.7
193.7	8	36.6
193.7	8.8	40.1
193.7	10	45.3
193.7	11	49.6
193.7	12.5	55.9
193.7	14.2	62.9
193.7	16	70.1
193.7	17.5	76.0
193.7	20	85.7
193.7	22.2	93.9
193.7	25	104
193.7	28	114
193.7	30	121
193.7	32	128
193.7	36	140
193.7	40	152
193.7	45	165
193.7	50	177
193.7	55	188

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
193.7	60	198
244.5	2.0	12.0
244.5	2.3	13.7
244.5	2.6	15.5
244.5	2.9	17.3
244.5	3.2	19.0
244.5	3.6	21.4
244.5	4	23.7
244.5	4.5	26.6
244.5	5	29.5
244.5	5.4	31.8
244.5	5.6	33.0
244.5	6.3	37.0
244.5	7.1	41.6
244.5	8	46.7
244.5	8.8	51.2
244.5	10	57.8
244.5	11	63.3
244.5	12.5	71.5
244.5	14.2	80.6
244.5	16	90.2
244.5	17.5	98
244.5	20	111
244.5	22.2	122
244.5	25	135
244.5	28	149
244.5	30	159
244.5	32	168
244.5	36	185
244.5	40	202
244.5	45	221
244.5	50	240
244.5	55	257
244.5	60	273

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
244.5	65	288
559	3.2	439
559	3.6	49.3
559	4	54.7
559	4.5	61.5
559	5	68.3
559	5.4	73.7
559	5.6	76.4
559	6.3	85.9
559	7.1	96.6
559	8	109
559	8.8	119
559	10	135
559	11	149
559	12.5	168
559	14.2	191
559	16	214
559	17.5	234
559	20	266
559	22.2	294
559	25	329
559	28	367
559	30	391
559	32	416
559	36	464
559	40	512
559	45	570
559	50	628
559	55	684
559	60	738
559	65	792
660	4	64.7
660	4.5	72.7
660	5	80.8

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
660	5.4	87.2
660	5.6	90.4
660	6.3	102
660	7.1	114
660	8	129
660	8.8	141
660	10	160
660	11	176
660	12.5	200
660	14.2	226
660	16	254
660	17.5	277
660	20	316
660	22.2	349
660	25	392
660	28	436
660	30	466
660	32	496
660	36	554
660	40	612
660	45	683
660	50	752
660	55	821
660	60	888
660	65	954
864	4	84.8
864	4.5	95.4
864	5	106
864	5.4	114
864	5.6	119
864	6.3	133
864	7.1	150
864	8	169
864	8.8	186

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Outside Diameter (mm)	Wall Thickness (mm)	Plain End Mass (kg/m)
864	10	211
864	11	231
864	12.5	262
864	14.2	298
864	16	335
864	17.5	365
864	20	416
864	22.2	461
864	25	517
864	28	577
864	30	617
864	32	657
864	36	735
864	40	813
864	45	909
864	50	1004
864	55	1097
864	60	1190
864	65	1281