

SURFACE AREAS OF SECTIONS

Equal Angles m²/m

20 x 20 x 3	0.074
25 x 25 x 3	0.094
25 x 25 x 5	0.094
30 x 30 x 3	0.114
30 x 30 x 5	0.114
40 x 40 x 3	0.154
40 x 40 x 5	0.154
50 x 50 x 3	0.194
50 x 50 x 5	0.193
50 x 50 x 6	0.193
50 x 50 x 8	0.193
60 x 60 x 6	0.232
60 x 60 x 8	0.232
60 x 60 x 10	0.232
65 x 65 x 6	0.255
65 x 65 x 8	0.255
65 x 65 x 10	0.255
75 x 75 x 6	0.292
75 x 75 x 8	0.292
75 x 75 x 10	0.292
80 x 80 x 6	0.312
80 x 80 x 8	0.312
80 x 80 x 10	0.312
90 x 90 x 6	0.352
90 x 90 x 10	0.352
100 x 100 x 6	0.392
100 x 100 x 8	0.392
100 x 100 x 10	0.392
100 x 100 x 12	0.392
125 x 125 x 10	0.491
150 x 150 x 10	0.590
150 x 150 x 12	0.590

RHS m²/m

50 x 20 x 1.6	0.135
50 x 20 x 2.0	0.133
50 x 20 x 2.5	0.131
50 x 20 x 3.0	0.130
50 x 25 x 1.6	0.145
50 x 25 x 2.0	0.143
50 x 25 x 2.5	0.141
50 x 25 x 3.0	0.140
65 x 35 x 2.0	0.193
65 x 35 x 2.5	0.191
65 x 35 x 3.0	0.190
65 x 35 x 4.0	0.188
75 x 25 x 1.6	0.233
75 x 25 x 2.0	0.232
75 x 25 x 2.5	0.231
75 x 25 x 3.0	0.230
75 x 50 x 1.6	0.245
75 x 50 x 2.0	0.243
75 x 50 x 2.5	0.241
75 x 50 x 3.0	0.240
75 x 50 x 4.0	0.238
75 x 50 x 5.0	0.237
75 x 50 x 6.0	0.236
75 x 50 x 8.0	0.234
76 x 38 x 2.5	0.219
76 x 38 x 3.0	0.218
76 x 38 x 4.0	0.217
100 x 50 x 1.6	0.295
100 x 50 x 2.0	0.293
100 x 50 x 2.5	0.292
100 x 50 x 3.0	0.290
100 x 50 x 3.5	0.288
100 x 50 x 4.0	0.288
100 x 50 x 5.0	0.279
100 x 50 x 6.0	0.274
102 x 76 x 5.0	0.341
102 x 76 x 6.0	0.330
125 x 75 x 2.0	0.393
125 x 75 x 2.5	0.391
125 x 75 x 3.0	0.390
125 x 75 x 4.0	0.383
125 x 75 x 5.0	0.379
125 x 75 x 6.0	0.374
127 x 51 x 3.5	0.341
127 x 51 x 5.0	0.335
127 x 51 x 6.0	0.330
100 x 75 x 8	0.342
100 x 75 x 10	0.342
125 x 75 x 6	0.392
125 x 75 x 8	0.392
125 x 75 x 10	0.392
125 x 75 x 12	0.392
150 x 90 x 10	0.471
150 x 90 x 12	0.471
150 x 100 x 10	0.491
150 x 100 x 12	0.491

Flats m²/m

13 x 3	0.032	80 x 6	0.172
16 x 3	0.038	80 x 10	0.180
20 x 3	0.046	80 x 12	0.184
20 x 5	0.050	100 x 3	0.206
20 x 6	0.052	100 x 5	0.210
20 x 8	0.056	100 x 6	0.212
25 x 3	0.056	100 x 8	0.216
25 x 5	0.060	100 x 10	0.220
25 x 10	0.070	100 x 12	0.224
25 x 12	0.074	100 x 16	0.232
30 x 5	0.070	100 x 20	0.240
30 x 10	0.080	100 x 25	0.250
30 x 3	0.070	130 x 6	0.272
32 x 6	0.076	150 x 6	0.288
32 x 8	0.080	130 x 12	0.284
32 x 10	0.084	130 x 16	0.292
40 x 3	0.086	130 x 20	0.300
40 x 5	0.090	130 x 25	0.310
40 x 6	0.092	150 x 3	0.306
40 x 8	0.096	150 x 5	0.310
40 x 10	0.100	150 x 6	0.312
40 x 12	0.104	150 x 8	0.316
40 x 16	0.112	150 x 10	0.320
50 x 3	0.106	150 x 12	0.324
50 x 5	0.110	150 x 16	0.332
50 x 6	0.112	150 x 20	0.340
50 x 8	0.116	150 x 25	0.350
50 x 10	0.120	180 x 6	0.372
50 x 12	0.124	180 x 10	0.380
50 x 16	0.132	180 x 12	0.384
50 x 20	0.140	200 x 3	0.406
50 x 25	0.150	200 x 6	0.412
60 x 6	0.132	200 x 8	0.416
60 x 10	0.140	200 x 10	0.420
60 x 12	0.144	200 x 12	0.424
60 x 16	0.152	200 x 16	0.432
65 x 5	0.140	200 x 20	0.440
65 x 16	0.162	200 x 25	0.450
65 x 25	0.180	250 x 3	0.506
75 x 3	0.156	250 x 6	0.512
75 x 5	0.160	250 x 10	0.520
75 x 8	0.164	250 x 12	0.524
75 x 10	0.170	250 x 16	0.532
75 x 12	0.174	250 x 20	0.540
75 x 16	0.182	300 x 3	0.606
75 x 20	0.190	300 x 6	0.612
75 x 25	0.200	300 x 10	0.620
75 x 40	0.230	300 x 12	0.624

SHS m²/m

13 x 13 x 1.8	0.046	75 x 75 x 4.0	0.283
15 x 15 x 1.8	0.054	75 x 75 x 5.0	0.279
20 x 20 x 1.6	0.075	75 x 75 x 6.0	0.274
25 x 25 x 1.6	0.095	89 x 89 x 3.5	0.341
25 x 25 x 2.0	0.093	89 x 89 x 5.0	0.334
25 x 25 x 2.5	0.091	89 x 89 x 6.0	0.330
30 x 30 x 1.6	0.115	100 x 100 x 2.0	0.393
30 x 30 x 2.0	0.113	100 x 100 x 3.0	0.390
30 x 30 x 2.5	0.111	100 x 100 x 4.0	0.383
30 x 30 x 3.0	0.110	100 x 100 x 5.0	0.379
35 x 35 x 1.6	0.135	100 x 100 x 6.0	0.374
35 x 35 x 2.0	0.133	100 x 100 x 9.0	0.361
35 x 35 x 2.5	0.131	125 x 125 x 4.0	0.483
35 x 35 x 3.0	0.130	125 x 125 x 5.0	0.479
35 x 35 x 4.0	0.130	125 x 125 x 6.0	0.474
40 x 40 x 1.6	0.155	125 x 125 x 9.0	0.461
40 x 40 x 2.0	0.153	150 x 150 x 5.0	0.579
40 x 40 x 2.5	0.151	150 x 150 x 6.0	0.574
40 x 40 x 3.0	0.150	150 x 150 x 9.0	0.561
40 x 40 x 4.0	0.148	200 x 200 x 5.0	0.779
50 x 50 x 1.6	0.198	200 x 200 x 6.0	0.774
50 x 50 x 2.0	0.193	200 x 200 x 9.0	0.761
50 x 50 x 2.5	0.191	200 x 200 x 12.5	0.768
50 x 50 x 3.0	0.190	200 x 200 x 16.0	0.759
50 x 50 x 4.0	0.183	250 x 250 x 6.0	0.974
50 x 50 x 5.0	0.179	250 x 250 x 9.0	0.961
50 x 50 x 6.0	0.174	250 x 250 x 12.5	0.968
65 x 65 x 1.6	0.255	350 x 350 x 16.0	0.959
65 x 65 x 2.0	0.253	300 x 300 x 8.0	1.180
65 x 65 x 2.5	0.251	300 x 300 x 10.0	1.170
65 x 65 x 3.0	0.250	300 x 300 x 12.5	1.170
65 x 65 x 4.0	0.243	300 x 300 x 16.0	1.160
65 x 65 x 5.0	0.239	350 x 350 x 10.0	1.370
65 x 65 x 6.0	0.234	350 x 350 x 12.5	1.370
75 x 75 x 1.6	0.293	350 x 350 x 16.0	1.360
75 x 75 x 2.5	0.291	400 x 400 x 10.0	1.570
75 x 75 x 3.0	0.290	400 x 400 x 12.5	1.570
75 x 75 x 3.5	0.285	400 x 400 x 16.0	1.560

Pipe o/d m²/m

21.3	0.067	139.7	0.439
26.9	0.085	165.1	0.519
33.7	0.106	188.3	0.629
42.4	0.133	219.1	0.868
48.3	0.152	273.1	0.858
60.3	0.189	323.5	1.020
76.1	0.239	355.6	1.120
88.9	0.279	406.4	1.280
101.6	0.319	457.0	1.440
114.3	0.359	508.0	1.600

Unequal Angles m²/m

65 x 50 x 6	0.225
75 x 50 x 5	0.242
75 x 50 x 6	0.242
100 x 75 x 6	0.342
100 x 75 x 8	0.342
100 x 75 x 10	0.342
125 x 75 x 6	0.392
125 x 75 x 8	0.392
125 x 75 x 10	0.392
125 x 75 x 12	0.392
150 x 90 x 10	0.471
150 x 90 x 12	0.471
150 x 100 x 10	0.491
150 x 100 x 12	0.491

Universal Beams m²/m

150UB14	0.576
150UB18	0.584
180UB18	0.685
180UB22	0.691
200UB18	0.764
200UB22	0.911
200UB25	0.915
200UB30	0.923
250UB25	0.961
250UB31	1.060
250UB37	1.070
310UB32	1.160
310UB40	1.240
310UB45	1.250
360UB45	1.360
360UB51	1.360
360UB57	1.370
410UB54	1.480
410UB60	1.490
460UB67	1.630
460UB75	1.640
460UB82	1.650
530UB82	1.850
530UB92	1.860
610UB101	2.070
610UB113	2.080
610UB125	2.090

Channels m²/m

50FC	0.290
75FC	0.374
100FC	0.480
150FC	0.569
180FC	0.628
200FC	0.668
230FC	0.727
250FC	0.822
300FC	0.920
380FC	1.120

Squares m²/m

10 x 10	0.004
12 x 12	0.048
16 x 16	0.064
20 x 20	0.080
25 x 25	0.100
32 x 32	0.128
40 x 40	0.160
45 x 45	0.180
50 x 50	0.200
65 x 65	0.260
75 x 75	0.300

Universal Columns m²/m

100 x 15	0.563
150 x 23	0.839
150 x 30	0.900
150 x 37	0.912
200 x 46	1.190
200 x 52	1.190
200 x 60	1.200
250 x 73	1.480
250 x 90	1.590
310 x 97	1.790
310 x 118	1.810
310 x 137	1.820
310 x 158	1.840

METRIC TO IMPERIAL

Metric Size mm	Imperial Equivalent Inch	kg/m
3	0.1181	0.056
3.175	1/8	0.062
4	0.1575	0.099
4.762	3/16	0.140
5	0.1969	0.150
6	0.2362	0.222
6.350	1/4	0.247
7.937	5/16	0.388
8	0.3150	0.395
9.525	3/8	0.559
10	0.3937	0.617
11.112	7/16	0.761
12	0.4724	0.888
12.700	1/2	0.994
13	0.5118	1.042
14	0.5512	1.208
14.287	9/16	1.259
15.875	5/8	1.554
16	0.6299	1.578
17	0.6693	1.782
17.462	11/16	1.880
19	0.7480	2.226
19.050	3/4	2.237
20	0.7874	2.466
20.637	13/16	2.626
22	0.8661	2.984
22.225	7/8	3.045
23.812	15/16	3.496
24	0.9449	3.551
25	0.9843	3.853
25.400	1	3.978
28	1.1024	4.834
28.575	1 1/8	5.034
30	1.1811	5.549
31.750	1 1/4	6.215
33	1.2598	6.313
33	1.2992	6.714
34.925	1 3/8	7.520
35	1.3780	7.553
38.100	1 1/2	8.950
40	1.5748	9.865
41.275	1 5/8	10.504
44.450	1 3/4	12.181