

Appendix A

Available Sections for the Fifty-Two-Bar Truss Problem

Table A Available sections for the fifty-two bar truss problem

Item	Area (mm ²)
1	71.613
2	90.968
3	126.451
4	161.290
5	198.064
6	252.258
7	285.161
8	363.225
9	388.386
10	494.193
11	506.451
12	641.289
13	645.160
14	792.256
15	816.773
16	940.000
17	1008.385
18	1045.159
19	1161.288
20	1283.868
21	1374.191
22	1535.481
23	1690.319
24	1696.771
25	1858.061
26	1890.319
27	1993.544
28	2019.351
29	2180.641
30	2238.705
31	2290.318
32	2341.931
33	2477.414
34	2496.769
35	2503.221
36	2696.769
37	2722.575
38	2896.768
39	2961.284
40	3096.768
41	3206.445
42	3303.219
43	3703.218
44	4658.055
45	5141.925
46	5503.215
47	5999.988

Table A Available sections for the fifty-two bar truss problem (continued)

Item	Area (mm ²)
48	6999.986
49	7419.340
50	8709.660
51	8967.724
52	9161.272
53	9999.980
54	10322.560
55	10903.204
56	12129.008
57	12838.684
58	14193.520
59	14774.164
60	15806.420
61	17096.740
62	18064.480
63	19354.800
64	21612.860