

COPPER BUSBAR / FLATS SIZE CHART											
Dimensions, Ratings, Moment of Inertia, and Modulus of Section Z											
Busbar Size (mm)	Cross Sectional Area (mm²)	Weight (kg/m)	Approx D.C. Resistance 20°C (mW/m)	Approx D.C. rating (1) (A)		Approx A.C. rating (A)		Moment of Inertia (mm⁴)		Modulus of Section Z (mm³)	
				Still Air (3)	Free Air (3)	Still Air	Free Air	Edge-wise	Flat	Edge-wise	Flat
10 x 1.60	16.0	0.143	1077	105	115	105	115	133.3	3.413	26.66	4.266
12.5 x 1.60	20.0	0.179	862	125	135	125	135	260.4	4.266	41.66	5.333
16 x 1.60	25.6	0.229	673	155	170	155	170	546.1	5.461	68.26	6.826
20 x 1.60	32.0	0.286	538	185	205	185	205	1,066	6.826	106.6	8.533
25 x 1.60	40.0	0.357	431	225	250	225	250	2,083	8.533	166.6	10.67
30 x 1.60	48.0	0.429	359	265	290	265	290	3,600	10.24	240.0	12.80
10 x 2.00	20.0	0.179	862	115	130	115	130	166.6	6.666	33.32	6.666
12.5 x 2.00	25.0	0.223	689	140	155	140	155	325.5	8.333	52.08	8.333
16 x 2.00	32.0	0.286	538	175	190	175	190	682.6	10.66	85.33	10.66
20 x 2.00	40.0	0.357	431	210	230	210	230	1,333	13.33	133.3	13.33
25 x 2.00	50.0	0.446	344	255	280	255	280	2,604	16.66	208.3	16.66
30 x 2.00	60.0	0.536	287	295	330	295	330	4,500	20.00	300	20.00
40 x 2.00	80.0	0.714	215	380	420	380	420	10,660	26.66	533	26.66
10 x 2.50	25.0	0.223	689	130	145	130	145	208.3	13.02	41.66	10.42
12.5 x 2.50	31.25	0.279	557	160	175	160	175	406.9	16.27	65.60	13.02
16 x 2.50	40.0	0.357	431	195	215	195	215	853.3	20.83	106.70	16.66
20 x 2.50	50.0	0.446	344	235	260	235	260	1,666	26.04	166.6	20.83
25 x 2.50	62.5	0.558	275	285	315	285	315	3,255	32.55	260.4	26.04
30 x 2.50	75.0	0.670	229	330	370	330	370	5,625	39.06	375.0	31.25
40 x 2.50	100	0.893	172	425	475	425	475	13,330	52.08	666.5	41.66
50 x 2.50	125	1.115	137	520	575	520	575	26,040	65.10	1041	52.08
60 x 2.50	150	1.339	114	605	675	605	675	45,000	78.13	1500	62.50
10 x 2.75	31.5	0.281	547	150	170	150	170	262.5	26.05	5205	16.54
12.5 x 2.75	39.4	0.352	437	180	200	180	200	512.7	32.56	82.03	20.67
20 x 3.0	60.0	0.536	287	260	290	260	290	2,000	45.00	200.0	30.00
25 x 3.0	75	0.670	229	315	350	314	350	3,906	56.25	312.4	37.5
30 x 3.0	90	0.803	191	365	405	365	405	6,750	67.50	450.0	45.0
40 x 3.0	120	1.071	143	470	520	470	520	16,000	90.00	800.0	60.0
50 x 3.0	150	1.339	114	570	635	570	635	31,250	112.50	1,250	75.0
60 x 3.0	180	1.607	95.7	665	740	665	740	54,000	135.00	1,800	90.0
80 x 3.0	240	2.142	71.8	860	955	860	955	128 x 10³	180.00	3,200	120.0
10 x 4.0	40	0.357	431	175	195	175	195	333.3	53.33	66.66	26.67
12.5 x 4.0	50	0.446	344	210	230	210	230	651.0	66.67	104.2	33.34
16 x 4.0	64	0.571	269	255	285	255	285	1,365	85.33	170.6	42.67
20 x 4.0	80	0.714	215	305	340	305	340	2,666	106.7	266.6	53.35
25 x 4.0	100	0.893	172	365	410	365	410	5,208	133.3	416.6	66.65
30 x 4.0	120	1.071	143	430	475	430	475	8,999	1600	599.6	80.00
40 x 4.0	160	1.428	107	545	610	540	605	21,330	213.3	1,066.5	106.7
50 x 4.0	200	1.785	86.2	665	740	660	735	41,660	266.7	1,666	133.4
60 x 4.0	240	2.142	71.8	775	860	770	855	72,000	320.0	2,400	160.0
80 x 4.0	320	2.856	53.8	995	1,120	980	1,105	170 x 10³	426.7	4,268	213.4
100 x 4.0	400	3.571	43.1	1,210	1,365	1,185	1,340	333 x 10³	533.3	6,666	266.7
10 x 5.0	50	0.446	344	200	225	200	225	416.7	104.2	83.34	41.68
12.5 x 5.0	62.5	0.558	275	240	265	240	265	813.4	130.2	130.1	52.08
16 x 5.0	80	0.714	215	290	325	290	325	1,707	166.7	213.4	66.68
20 x 5.0	100	0.893	172	345	385	345	385	3,333	208	333.3	83.20
25 x 5.0	125	1.116	137	415	465	415	465	6,560	260.4	520.8	104.2
30 x 5.0	150	1.339	114	485	540	480	540	11,250	312.5	750.0	125.0
40 x 5.0	200	1.785	86.2	615	685	610	680	26,670	416.7	1334	166.7
50 x 5.0	250	2.232	68.9	745	830	740	820	52,080	520.8	2,083	208.3
60 x 5.0	300	2.678	57.4	870	970	865	960	90,000	625.0	3,000	250.0
80 x 5.0	400	3.571	43.1	1,120	1,260	1,110	1,250	213 x 10³	833.3	5,333	333.3
100 x 5.0	500	4.464	34.4	1,355	1,530	1,345	1,520	417 x 10³	1,042	8,334	416.8
10 x 6.3	63	0.562	273	235	260	235	260	525	208.4	105.0	66.16
12.5 x 6.3	78.75	0.703	218	275	305	275	305	1,025	260.5	164.0	82.70
16 x 6.3	100.8	0.899	171	335	370	335	370	2,150	333.4	268.8	105.8
20 x 6.0	120	1.071	143	385	430	385	430	4,000	360.0	400.0	120.0
25 x 6.0	150	1.339	114	460	515	460	515	7,813	450.0	625.0	150.0
30 x 6.0	180	1.607	95.7	535	600	535	595	15,500	540.0	900.0	180.0
40 x 6.0	240	2.142	71.8	680	760	675	755	32,000	720.0	1,600	240.0
50 x 6.0	300	2.678	57.4	825	915	815	910	62,500	900.0	2,500	300.0
60 x 6.0	360	3.214	47.8	965	1,075	955	1,065	108 x 10³	1,080	3,600	360.0
80 x 6.0	480	4.285	35.9	1,230	1,370	1,220	1,355	256 x 10³	1,440	6,400	480.0
100 x 6.0	600	5.356	28.7	1,490	1,680	1,480	1,670	500 x 10³	1,800	10,000	600.0
120 x 6.0	720	6.428	23.9	1,750	1,970	1,700	1,915	864 x 10³	2,160	14,400	720.0
160 x 6.0	960	8.570	17.9	2,250	2,535	2,130	2,400	2.05 x 10⁶	2,880	25,600	960.0
20 x 8.0	160	1.428	107	460	510	455	510	5,333	853.3	533.0	213.3
25 x 8.0	200	1.785	86.2	545	610	545	605	10,420	1,067	833.6	266.7
30 x 8.0	240	2.142	71.8	630	705	630	700	18,000	1,280	1,200	320.0
40 x 8.0	320	2.856	53.8	800	890	795	885	42,670	1,707	2,134	426.8
50 x 8.0	400	3.571	43.1	965	1,070	950	1,055	83,300	2,133	3,333	533.3
60 x 8.0	480	4.285	35.9	1,120	1,250	1,110	1,235	144 x 10³	2,560	4,800	640.0
80 x 8.0	640	5.713	26.9	1,435	1,595	1,420	1,580	341 x 10³	3,413	8,533	853.3
100 x 8.0	800	7.142	21.5	1,735	1,955	1,595	1,800	667 x 10³	4,267	13,330	1067
120 x 8.0	960	8.570	17.9	2,032	2,290	1,760	1,985	1.15 x 10⁶	5,120	19,200	1280
160 x 8.0	1280	11.43	13.4	2,610	2,935	2,230	2,510	2.73 x 10⁶	6,827	34,140	1707
200 x 8.0	1600	14.27	10.8	3,170	3,570	2,760	3,110	5.33 x 10⁶	8,533	53,330	2133
20 x 10	200	1.785	86.2	525	585	480	535	6,670	1,667	667	333.4
25 x 10	250	2.232	68.9	625	695	580	645	13,020	2,083	1,042	416.6
30 x 10	300	2.678	57.4	720	825	700	795	22,500	2,500	1,500	500.0
40 x 10	400	3.571	43.1	910	1,030	880	995	53,330	3,333	2,667	666.6
50 x 10	500	4.64	34.4	1,090	1,235	1,060	1,200	104 x 10³	4,167	4,168	833.4
60 x 10	600	5.356	28.7	1,270	1,435	1,200	1,355	180 x 10³	5,000	6,000	1,000
80 x 10	800	7.142	21.5	1,615	1,840	1,525	1,735	427 x 10³	6,667	10,670	1,333
100 x 10	1,000	8.928	17.2	1,950	2,225	1,800	2,065	833 x 10³	8,333	16,670	1,667
120 x 10	1,200	10.71	14.3	2,285	2,610	2,100	2,395	144 x 10³	10,000	23,980	2,000
160 x 10	1,600	14.28	10.7	2,930	3,380	2,620	3,040	341 x 10³	13,330	42,660	2,666
200 x 10	2,00	17.84	8.62	3,550	4,150	3,140	3,630	6.67 x 10⁶	16,670	66,670	3,334
250 x 10	2,500	22.30	6.89	4,320	5,030	3,710	4,310	13.0 x 10⁶	20,830	104 x 10³	4,166
25 x 12	300	2.678	57.4	700	710	640	650	15,630	3,599	1,250	599.8
30 x 12	360	3.214	47.8	805	820	750	765	27,000	4,319	1,800	719.8
40 x 12	480	4.285	35.9	1,010	1,100	950	1,030	64,000	5,759	3,200	959.8
50 x 12	600	5.356	28.7	1,210	1,330	1,160	1,275	125 x 10³	7,199	5,000	1,199
60 x 12	720	6.428	23.9	1,405	1,550	1,320	1,455	216 x 10³	8,639	7,200	1,439
80 x 12	960	8.570	17.9	1,785	2,000	1,670	1,870	512 x 10³	11,519	12,800	1,919
100 x 12	1,200	10.71	14.3	2,155	2,420	2,010	2,255	1.00 x 10⁶	14,390	20,000	2,398
120 x 12	1,440	12.85	11.9	2,520	2,880	2,310	2,640	1.73 x 10⁶	17,280	28,800	2,880
160 x 12	1,920	17.14	8.97	3,225	3,650	2,860	3,235	4.10 x 10⁶	23,040	51,200	3,840
200 x 12	2,400	21.43	7.18	3,910	4,480	3,380	3,870	8.00 x 10⁶	28,790	80,000	4,798
250 x 12	3,000	26.78	5.74	4,750	5,440	4,060	4,650	15.6 x 10⁶	35,990	125 x 10³	5,998
25 x 16	400	3.571	43.1	840	960	740	855	20,830	8,533	16.7 x 10³	1,067
30 x 16	480	4.285	35.9	960</							