

AIRCRAFT QUALITY CARBON ALLOY

FLAT BAR								
Size in Inches	Est. Wt. Lbs.		Size in Inches	Est. Wt. Lbs.		Size in Inches	Est. Wt. Lbs.	
	per foot	12-ft. Bar		per foot	12-ft. Bar		per foot	12-ft. Bar
1/4 x			5/8 x			1-1/4 x		
1/2	.4254	5.105	1	2.127	25.52	1 1/2	6.381	76.57
3/4	.6381	7.657	1 1/4	2.659	31.91	1 3/4	7.445	89.33
1	.8508	10.21	1 1/2	3.191	38.29	2	8.508	102.1
1 1/4	1.064	12.76	1 3/4	3.722	44.67	2 1/2	10.64	127.6
1 1/2	1.276	15.31	2	4.254	51.05	3	12.76	153.1
1 3/4	1.489	17.87	2 1/2	5.318	63.81	4	17.02	204.2
2	1.702	20.42	3	6.381	76.57	1-1/2 x		
2 1/2	2.127	25.52	4	8.508	102.1	1 3/4	8.933	178.7
3	2.552	30.63	5	10.64	127.6	2	10.21	122.5
4	3.403	40.84	3/4 x			2 1/2	12.76	153.1
6	5.105	61.26	1	2.552	30.63	3	15.31	183.8
3/8 x			1 1/4	3.191	38.29	4	20.42	245.0
1/2	.6381	7.657	1 1/2	3.829	45.94	5	25.52	306.3
3/4	.9572	11.49	1 3/4	4.467	53.60	6	30.63	367.5
1	1.276	15.31	2	5.105	61.26	1-3/4 x		
1 1/4	1.595	19.14	2 1/2	6.381	76.57	3	17.89	214.4
1 1/2	1.914	22.97	2 3/4	7.019	84.23	6	35.73	428.8
1 3/4	2.233	26.80	3	7.657	91.89	2 x		
2	2.552	30.63	4	10.21	122.5	2 1/2	17.02	204.2
2 1/2	3.191	38.29	6	15.31	183.8	3	20.42	245.0
3	3.829	45.94	1 x			4	27.23	326.7
4	5.105	61.26	1 1/4	4.254	51.05	5	34.03	408.4
5	6.381	76.57	1 1/2	5.105	61.26	6	40.84	490.1
6	7.657	91.89	1 5/8	5.530	66.36	2-1/2 x		
1/2 x			1 3/4	5.956	71.47	3	25.52	306.3
3/4	1.276	15.31	2	6.806	81.68	4	34.03	408.4
1	1.702	20.42	2 1/2	8.508	102.1	3 x		
1 1/4	2.127	25.52	3	10.21	122.5	4	40.84	490.1
1 1/2	2.552	30.63	4	13.61	163.4	5	51.05	612.6
1 3/4	2.978	35.73	5	17.02	204.2	6	61.26	735.1
2	3.403	40.84	6	20.42	245.0	4 x		
2 1/2	4.254	51.05				6	81.68	980.1
3	5.105	61.26						
4	6.806	81.68						
5	8.508	102.1						
6	10.21	122.5						



AIRCRAFT QUALITY CARBON ALLOY

The following show the standard sizes of aircraft quality alloy sheet and plate. Note that sheets are sold as full sheets, but plates may be sheared or flame-cut to your requirements.

SHEETS			
Thickness in inches	Est. Weight Lbs.		
	Per Sq. Ft.	Per Sheet	
		24 x 72"	36 x 72"
.025	1.020	12.2	18.4
.032	1.306	15.7	23.5
.036	1.469	17.6	26.4
.040	1.632	19.6	29.4
.050	2.040	24.5	36.7
.063	2.570	30.8	46.3
.071	2.897	34.8	52.2
.080	3.264	39.2	58.8
.090	3.672	44.1	66.1
.100	4.080	49.0	73.4
.125	5.100	61.2	91.8
.180	6.528	78.3	118
.190	7.752	93.0	140

PLATES			
Thickness in inches	Est. Weight Lbs.		
	Per Sq. Ft.	Per Plate	
		36 x 72"	72 x 144"
.250	10.21	184	735
.312	12.76	230	919
.375	15.31	276	1102
.500	20.42	368	1470
.625	25.52	459	1837
.750	30.63	551	2205
.875	35.73	643	2573
1.000	40.84	735	2940
1.125	45.94	827	3308
1.250	51.05	919	3676
1.500	61.26	1103	4411
1.750	71.47	1286	5146
2.000	81.68	1470	5881
2.250	91.89	1654	6616
2.500	102.1	1838	7351
2.750	112.3	2021	8086
3.000	122.5	2205	8820
3.500	142.9	2572	10289
4.000	163.4	2941	11765
4.500	183.8	3308	13234
5.000	204.2	3676	14702
6.000	245.0	4410	17640