



EXTRUDED RECTANGULAR BAR

Available Sawing Services for Rectangular Bar

Alloy 6061
Meets ASTM B221
Tempers: T6 & T6511
Density: .098

Extrusion Saw Cutting
 Tolerances as close as ± 0.005
 Cut lengths .50" and longer
 RMS finish as low as 32
 Max 4:1 diameter to length ratio
 8.0" max thickness

Band Saw Cutting
 Tolerances as close as $+0.030/-0.000$
 Cut lengths .375" and longer
 RMS finish as low as 76
 Capable of cutting larger than 4:1 ratio
 22.0" max thickness

Thickness (tol.)	Width (tol.)	Weight (lbs/ft)
0.125" (± 0.007)	0.500" (± 0.009)	0.074
0.125" (± 0.007)	0.750" (± 0.010)	0.110
0.125" (± 0.007)	1.000" (± 0.012)	0.150
0.125" (± 0.007)	1.250" (± 0.012)	0.184
0.125" (± 0.007)	1.500" (± 0.014)	0.221
0.125" (± 0.007)	2.000" (± 0.024)	0.294
0.125" (± 0.007)	2.500" (± 0.024)	0.368
0.125" (± 0.007)	3.000" (± 0.024)	0.441
0.125" (± 0.007)	4.000" (± 0.034)	0.588
0.125" (± 0.007)	6.000" (± 0.044)	0.882
0.188" (± 0.007)	0.500" (± 0.006)	0.110
0.188" (± 0.007)	1.000" (± 0.012)	0.221
0.188" (± 0.007)	1.250" (± 0.012)	0.276
0.188" (± 0.007)	1.500" (± 0.014)	0.331
0.188" (± 0.007)	2.000" (± 0.024)	0.442
0.188" (± 0.007)	2.500" (± 0.024)	0.551
0.188" (± 0.007)	3.000" (± 0.024)	0.662
0.188" (± 0.007)	4.000" (± 0.034)	0.884
0.250" (± 0.008)	0.500" (± 0.006)	0.147
0.250" (± 0.008)	0.750" (± 0.010)	0.221
0.250" (± 0.008)	1.000" (± 0.012)	0.294
0.250" (± 0.008)	1.250" (± 0.012)	0.368
0.250" (± 0.008)	1.500" (± 0.014)	0.441
0.250" (± 0.008)	1.750" (± 0.014)	0.545
0.250" (± 0.008)	2.000" (± 0.024)	0.588
0.250" (± 0.008)	2.250" (± 0.024)	0.661
0.250" (± 0.008)	2.500" (± 0.024)	0.588
0.250" (± 0.008)	2.750" (± 0.024)	0.808
0.250" (± 0.008)	3.000" (± 0.024)	0.882
0.250" (± 0.008)	3.500" (± 0.024)	1.032
0.250" (± 0.008)	4.000" (± 0.034)	1.176
0.250" (± 0.008)	5.000" (± 0.034)	1.470
0.250" (± 0.008)	6.000" (± 0.044)	1.764
0.250" (± 0.016)	8.000" (± 0.064)	2.352
0.250" (± 0.016)	10.000" (± 0.074)	2.940
0.250" (± 0.016)	12.000" (± 0.084)	3.528

Thickness (tol.)	Width (tol.)	Weight (lbs/ft)
0.313" (± 0.008)	1.000" (± 0.012)	0.368
0.313" (± 0.008)	1.500" (± 0.014)	0.551
0.313" (± 0.008)	2.000" (± 0.024)	0.736
0.313" (± 0.008)	3.000" (± 0.024)	1.104
0.375" (± 0.008)	0.500" (± 0.006)	0.221
0.375" (± 0.008)	0.750" (± 0.010)	0.331
0.375" (± 0.008)	1.000" (± 0.012)	0.441
0.375" (± 0.008)	1.250" (± 0.012)	0.551
0.375" (± 0.008)	1.500" (± 0.014)	0.662
0.375" (± 0.008)	1.750" (± 0.014)	0.772
0.375" (± 0.008)	2.000" (± 0.024)	0.882
0.375" (± 0.008)	2.500" (± 0.024)	1.103
0.375" (± 0.008)	3.000" (± 0.024)	1.323
0.375" (± 0.008)	3.500" (± 0.024)	1.544
0.375" (± 0.008)	4.000" (± 0.034)	1.764
0.375" (± 0.008)	4.500" (± 0.034)	1.984
0.375" (± 0.008)	5.000" (± 0.034)	2.205
0.375" (± 0.008)	6.000" (± 0.044)	2.646
0.375" (± 0.016)	8.000" (± 0.064)	3.528
0.375" (± 0.016)	10.000" (± 0.074)	4.410
0.375" (± 0.016)	12.000" (± 0.084)	5.292
0.500" (± 0.009)	0.750" (± 0.010)	0.441
0.500" (± 0.009)	1.000" (± 0.012)	0.588
0.500" (± 0.009)	1.250" (± 0.012)	0.735
0.500" (± 0.009)	1.500" (± 0.014)	0.882
0.500" (± 0.009)	1.750" (± 0.014)	1.029
0.500" (± 0.009)	2.000" (± 0.024)	1.176
0.500" (± 0.009)	2.500" (± 0.024)	1.470
0.500" (± 0.009)	3.000" (± 0.024)	1.764
0.500" (± 0.009)	3.500" (± 0.024)	2.058
0.500" (± 0.009)	4.000" (± 0.034)	2.352
0.500" (± 0.009)	4.500" (± 0.034)	2.652
0.500" (± 0.009)	5.000" (± 0.034)	2.940
0.500" (± 0.009)	6.000" (± 0.044)	3.528
0.500" (± 0.009)	6.500" (± 0.044)	3.822
0.500" (± 0.017)	8.000" (± 0.064)	4.800
0.500" (± 0.017)	10.000" (± 0.074)	5.880
0.500" (± 0.017)	12.000" (± 0.084)	7.056

Stock list continued on back page.





EXTRUDED RECTANGULAR BAR CONT'D

Thickness (tol.)	Width (tol.)	Weight (lbs/ft)
0.625" (±.009)	1.000" (±.012)	0.735
0.625" (±.009)	1.250" (±.012)	0.919
0.625" (±.009)	1.500" (±.014)	1.103
0.625" (±.009)	2.000" (±.024)	1.470
0.625" (±.009)	2.500" (±.024)	1.837
0.625" (±.009)	3.000" (±.024)	2.205
0.625" (±.009)	4.000" (±.034)	2.940
0.625" (±.009)	5.000" (±.034)	3.675
0.625" (±.009)	6.000" (±.044)	4.410
0.625" (±.017)	8.000" (±.064)	5.880
0.625" (±.017)	12.000" (±.084)	8.820
0.750" (±.010)	1.000" (±.012)	0.882
0.750" (±.010)	1.250" (±.012)	1.103
0.750" (±.010)	1.500" (±.014)	1.323
0.750" (±.010)	1.750" (±.014)	1.544
0.750" (±.010)	2.000" (±.024)	1.764
0.750" (±.010)	2.500" (±.024)	2.205
0.750" (±.010)	3.000" (±.024)	2.646
0.750" (±.010)	3.500" (±.024)	3.087
0.750" (±.010)	4.000" (±.034)	3.528
0.750" (±.010)	5.000" (±.034)	4.410
0.750" (±.010)	6.000" (±.044)	5.292
0.750" (±.018)	8.000" (±.064)	7.056
0.750" (±.018)	10.000" (±.074)	8.820
0.750" (±.018)	12.000" (±.084)	10.584
1.000" (+.012)	1.250" (+.012)	1.486
1.000" (+.012)	1.500" (+.014)	1.783
1.000" (+.012)	1.750" (+.014)	2.080
1.000" (+.012)	2.000" (+.024)	2.380
1.000" (+.012)	2.500" (+.024)	2.972
1.000" (+.012)	3.000" (+.024)	3.563
1.000" (+.012)	3.500" (+.024)	4.155
1.000" (+.012)	4.000" (+.034)	4.752
1.000" (+.012)	5.000" (+.034)	5.935
1.000" (+.012)	6.000" (+.044)	7.131
1.000" (+.012)	8.000" (+.054)	9.496
1.000" (±.019)	10.000" (±.074)	11.760
1.000" (±.019)	12.000" (±.084)	14.112
1.250" (+.012)	1.500" (+.014)	2.205
1.250" (±.012)	1.750" (±.014)	2.572
1.250" (+.012)	1.750" (+.014)	2.597
1.250" (+.012)	2.000" (+.024)	2.974
1.250" (+.012)	2.500" (+.024)	3.710
1.250" (+.012)	3.000" (+.024)	4.449
1.250" (+.012)	3.500" (+.024)	5.187
1.250" (±.012)	3.750" (+.024)	5.512
1.250" (+.012)	4.000" (+.034)	5.933
1.250" (+.012)	4.500" (+.034)	6.677
1.250" (+.012)	5.000" (+.034)	7.416
1.250" (+.012)	6.000" (+.044)	8.902
1.250" (±.012)	8.000" (±.054)	11.760

Thickness (tol.)	Width (tol.)	Weight (lbs/ft)
1.500" (+.014)	1.750" (+.014)	3.056
1.500" (+.014)	2.000" (+.024)	3.566
1.500" (+.014)	2.500" (+.024)	4.460
1.500" (+.014)	3.000" (+.024)	5.338
1.500" (+.014)	3.500" (+.024)	6.233
1.500" (+.014)	4.000" (+.034)	7.119
1.500" (+.014)	4.500" (+.034)	7.938
1.500" (+.014)	5.000" (+.034)	8.891
1.500" (+.014)	6.000" (+.044)	10.672
1.500" (+.014)	6.500" (+.044)	11.470
1.500" (+.014)	8.000" (+.064)	14.112
1.500" (+.014)	8.500" (+.054)	15.112
1.500" (±.024)	12.000" (±.084)	21.168
1.750" (+.014)	2.000" (+.024)	4.116
1.750" (+.014)	3.000" (+.024)	6.174
1.750" (+.014)	4.000" (+.034)	8.232
1.750" (+.014)	5.000" (+.034)	10.366
2.000" (+.024)	2.500" (+.024)	5.944
2.000" (+.024)	3.000" (+.024)	7.127
2.000" (+.024)	3.500" (+.024)	8.309
2.000" (+.024)	4.000" (+.034)	9.505
2.000" (+.024)	5.000" (+.034)	11.871
2.000" (+.024)	6.000" (+.044)	14.249
2.000" (+.024)	6.500" (+.044)	15.432
2.000" (+.024)	8.000" (+.044)	18.820
2.500" (+.024)	3.000" (+.024)	8.898
2.500" (+.024)	3.500" (+.024)	10.374
2.500" (+.024)	4.000" (+.034)	11.867
2.500" (+.024)	4.500" (+.034)	13.344
2.500" (+.024)	5.000" (+.034)	14.821
2.500" (+.024)	6.000" (+.044)	17.790
2.500" (+.024)	8.000" (+.054)	23.713
3.000" (+.024)	3.500" (+.024)	12.439
3.000" (+.024)	4.000" (+.034)	14.229
3.000" (+.024)	4.500" (+.034)	16.000
3.000" (+.024)	5.000" (+.034)	17.771
3.000" (+.024)	6.000" (+.044)	21.331
3.500" (.024)	4.000" (+.034)	16.614
3.500" (.024)	4.500" (+.034)	18.655
3.500" (.024)	5.000" (+.034)	20.750
3.500" (.024)	6.000" (+.044)	24.871
4.000" (+.034)	4.500" (+.034)	21.338
4.000" (+.034)	5.000" (+.034)	23.700
4.000" (+.034)	6.000" (+.044)	28.448
4.500" (+.034)	5.000" (+.034)	26.650
4.500" (+.034)	6.000" (+.044)	31.989
5.000" (+.034)	6.000" (+.044)	35.530

***Many bar sizes 1.0" and larger are produced as manifold quality. this includes a plus-side only, half commercial tolerance on the extruded dimension.**





EXTRUDED ROUND BAR

Available Sawing Services for Extruded Round Bar

Alloy 6061
Meets ASTM B221
Tempers: T6 & T6511
Density: .098
Standard Length: 144"

Extrusion Saw Cutting

Tolerances as close as $\pm.005$
 Cut lengths .50" and longer
 RMS finish as low as 32
 Max 4:1 diameter to length ratio

Band Saw Cutting

Tolerances as close as $+.030/-0.000$
 Cut lengths .375" and longer
 RMS finish as low as 76
 Capable of cutting larger than 4:1 ratio
 22.0" max diameter size

Diameter	Tolerance	Weight (lbs/ft)
0.250"	$\pm.008$	0.058
0.375"	$\pm.004$	0.129
0.500"	$\pm.004$	0.231
0.625"	$\pm.004$	0.361
0.750"	$\pm.004$	0.520
0.875"	$\pm.004$	0.707
1.000"	$\pm.004$	0.924
1.125"	$\pm.005$	1.169
1.188"	$\pm.005$	1.304
1.250"	$\pm.005$	1.443
1.312"	$\pm.005$	1.590
1.375"	$\pm.005$	1.746
1.500"	$\pm.005$	2.078
1.625"	$\pm.005$	2.439
1.750"	$\pm.005$	2.829
1.875"	$\pm.005$	3.247
2.000"	$\pm.008$	3.695
2.125"	$\pm.008$	4.171
2.250"	$\pm.008$	4.676
2.375"	$\pm.008$	5.210
2.500"	$\pm.008$	5.773
2.625"	$\pm.008$	6.364
2.750"	$\pm.008$	6.985
3.000"	$\pm.008$	8.313
3.125"	$\pm.012$	9.020
3.250"	$\pm.012$	9.756
3.375"	$\pm.012$	10.521
3.500"	$\pm.012$	11.314

Diameter	Tolerance	Weight (lbs/ft)
3.750"	$\pm.012$	12.989
4.000"	$\pm.017$	14.778
4.125"	$\pm.017$	15.716
4.250"	$\pm.017$	16.683
4.500"	$\pm.017$	18.703
4.750"	$\pm.017$	20.840
5.000"	$\pm.017$	23.091
5.250"	$\pm.017$	25.458
5.500"	$\pm.017$	27.940
5.750"	$\pm.017$	30.538
6.000"	$\pm.022$	33.251
6.250"	$\pm.022$	36.079
6.500"	$\pm.022$	39.023
6.750"	$\pm.022$	42.083
7.000"	$\pm.022$	45.258
7.250"	$\pm.022$	48.548
7.500"	$\pm.022$	51.954
8.000"	$\pm.030$	59.113
8.500"	$\pm.054$	66.732
9.000"	$\pm.054$	74.814
10.000"	$\pm.074$	92.363
10.125" *	$\pm.074$	94.686
11.000" *	$\pm.084$	111.759
12.000" *	$\pm.084$	133.002
12.125" *	($+.125/-0.084$)	136.247
12.500" *	$\pm.084$	144.240
13.000" *	$\pm.084$	156.084

*Master lengths of these bars vary. Inquire for further information



EXTRUDED SQUARE BAR

Available Sawing Services for Extruded Square Bar

Alloy 6061
Meets ASTM B221
Tempers: T6 & T6511
Density: .098
Standard Length: 144"

Extrusion Saw Cutting
 Tolerances as close as $\pm.005$
 Cut lengths .50" and longer
 RMS finish as low as 32
 Max 4:1 diameter to length ratio

Band Saw Cutting
 Tolerances as close as $+.030/-0.000$
 Cut lengths .375" and longer
 RMS finish as low as 76
 Capable of cutting larger than 4:1 ratio
 22.0" square max size

Dimension	Tolerance	Weight (lbs/ft)
0.250"	$\pm.008$	0.074
0.375"	$\pm.008$	0.165
0.438" *	$\pm.008$	0.226
0.500"	$\pm.009$	0.294
0.563"	$\pm.009$	0.373
0.625"	$\pm.009$	0.460
0.688"	$\pm.009$	0.577
0.750"	$\pm.010$	0.662
0.813"	$\pm.010$	0.777
0.875"	(+) 0.010	.911
0.938"	(+) 0.010	1.033
1.000"	(+) 0.012	1.190
1.125"	(+) 0.012	1.507
1.250"	(+) 0.012	1.855
1.375"	(+) 0.012	2.246
1.500"	(+) 0.014	2.671
1.625"	(+) 0.014	3.105
1.750"	(+) 0.014	3.630
2.000"	(+) 0.024	4.761
2.250"	(+) 0.024	6.071
2.500"	(+) 0.024	7.421
2.750"	(+) 0.024	8.970
3.000"	(+) 0.024	10.669
3.250"	(+) 0.024	12.513
3.500"	(+) 0.024	14.504
4.000"	(+) 0.034	18.976
4.500"	(+) 0.034	23.994
5.000"	(+) 0.034	29.600
5.500"	(+) 0.034	35.794
6.000"	(+) 0.044	42.647

*Stocked in T6 temper
 All sizes .875" and above are stocked as manifold quality. These sizes are extruded to half commercial, plus-side only tolerances.

