



# 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  $\pm 0.005$   
 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" ( $\pm 0.007$ )	0.500" ( $\pm 0.009$ )	0.074
0.125" ( $\pm 0.007$ )	0.750" ( $\pm 0.010$ )	0.110
0.125" ( $\pm 0.007$ )	1.000" ( $\pm 0.012$ )	0.150
0.125" ( $\pm 0.007$ )	1.250" ( $\pm 0.012$ )	0.184
0.125" ( $\pm 0.007$ )	1.500" ( $\pm 0.014$ )	0.221
0.125" ( $\pm 0.007$ )	2.000" ( $\pm 0.024$ )	0.294
0.125" ( $\pm 0.007$ )	2.500" ( $\pm 0.024$ )	0.368
0.125" ( $\pm 0.007$ )	3.000" ( $\pm 0.024$ )	0.441
0.125" ( $\pm 0.007$ )	4.000" ( $\pm 0.034$ )	0.588
0.125" ( $\pm 0.007$ )	6.000" ( $\pm 0.044$ )	0.882
0.188" ( $\pm 0.007$ )	0.500" ( $\pm 0.006$ )	0.110
0.188" ( $\pm 0.007$ )	1.000" ( $\pm 0.012$ )	0.221
0.188" ( $\pm 0.007$ )	1.250" ( $\pm 0.012$ )	0.276
0.188" ( $\pm 0.007$ )	1.500" ( $\pm 0.014$ )	0.331
0.188" ( $\pm 0.007$ )	2.000" ( $\pm 0.024$ )	0.442
0.188" ( $\pm 0.007$ )	2.500" ( $\pm 0.024$ )	0.551
0.188" ( $\pm 0.007$ )	3.000" ( $\pm 0.024$ )	0.662
0.188" ( $\pm 0.007$ )	4.000" ( $\pm 0.034$ )	0.884
0.250" ( $\pm 0.008$ )	0.500" ( $\pm 0.006$ )	0.147
0.250" ( $\pm 0.008$ )	0.750" ( $\pm 0.010$ )	0.221
0.250" ( $\pm 0.008$ )	1.000" ( $\pm 0.012$ )	0.294
0.250" ( $\pm 0.008$ )	1.250" ( $\pm 0.012$ )	0.368
0.250" ( $\pm 0.008$ )	1.500" ( $\pm 0.014$ )	0.441
0.250" ( $\pm 0.008$ )	1.750" ( $\pm 0.014$ )	0.545
0.250" ( $\pm 0.008$ )	2.000" ( $\pm 0.024$ )	0.588
0.250" ( $\pm 0.008$ )	2.250" ( $\pm 0.024$ )	0.661
0.250" ( $\pm 0.008$ )	2.500" ( $\pm 0.024$ )	0.588
0.250" ( $\pm 0.008$ )	2.750" ( $\pm 0.024$ )	0.808
0.250" ( $\pm 0.008$ )	3.000" ( $\pm 0.024$ )	0.882
0.250" ( $\pm 0.008$ )	3.500" ( $\pm 0.024$ )	1.032
0.250" ( $\pm 0.008$ )	4.000" ( $\pm 0.034$ )	1.176
0.250" ( $\pm 0.008$ )	5.000" ( $\pm 0.034$ )	1.470
0.250" ( $\pm 0.008$ )	6.000" ( $\pm 0.044$ )	1.764
0.250" ( $\pm 0.016$ )	8.000" ( $\pm 0.064$ )	2.352
0.250" ( $\pm 0.016$ )	10.000" ( $\pm 0.074$ )	2.940
0.250" ( $\pm 0.016$ )	12.000" ( $\pm 0.084$ )	3.528

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

