STANDARD PRODUCTS
DIE CATALOG

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Advanced Aluminum Technologies

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MADE IN USA

Welcome to Nanshan America's new and fully integrated extrusion facility in Lafayette, Indiana. We aim to be the industry leading producer of quality standard aluminum extrusions while providing exceptional service and competitive prices to our service center community. We hope you enjoy our new standard die catalog and thank you for your interest in Nanshan America.

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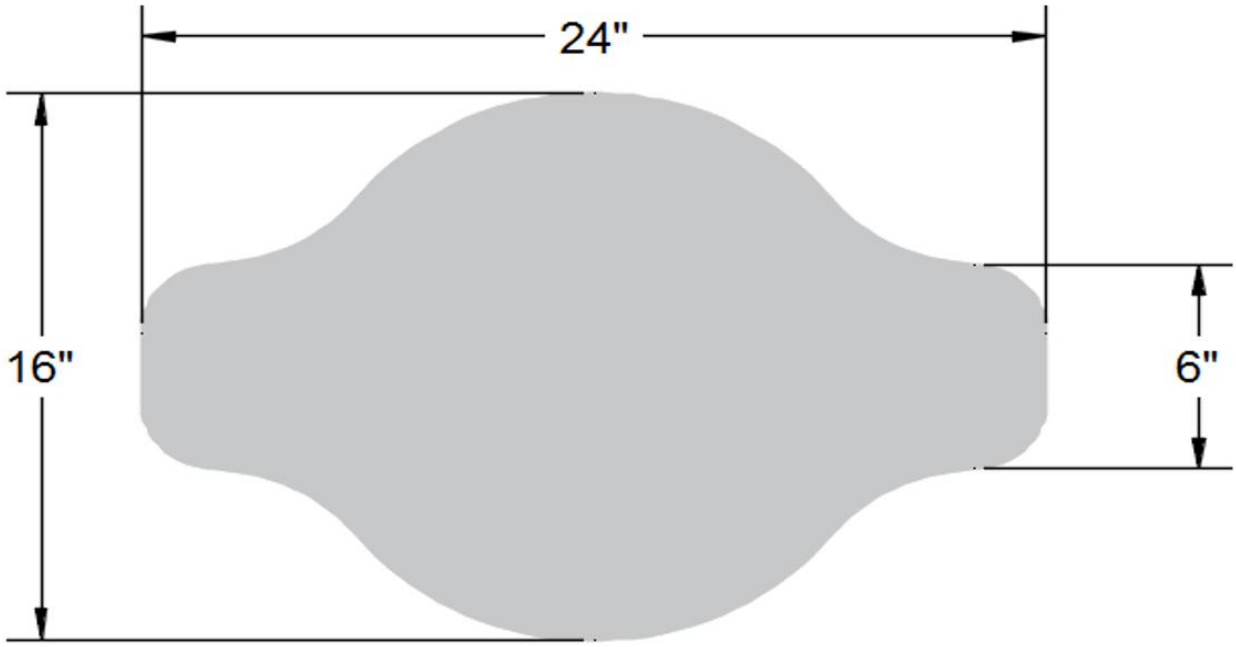
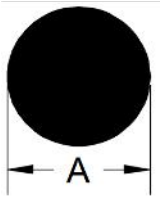


The above diagram shows Nanshan's maximum range of capabilities. The maximum sizes can vary depending on the alloy, material thickness, profile complexity, and tolerances. Please contact our sales team for confirmation and quoting of profiles.

Press	Alloys	Tempers	Packing Options
5000 Ton Presezzi Extrusion Press	1060	F	Paper Layer
•12" Billet	6005A	O (Annealed)	Paper Interleave
•Weight Range: .500 Lb/Ft - 10 Lb/Ft	6060	T1	Foam Layer
•Length Range: 6' - 60'	6061	T4	Foam Interleave
•Seamless: Min 1.000 OD - Max 6.625 OD	6063	T5	Strip Separation
	6082	T52	Cardboard Wrap
9200 Ton SMS Meer Extrusion Press	6101	T6	Kitting
•18" Billet		T61	
•Weight Range: 1 Lb/Ft - 50 Lb/Ft		T6511	
•Length Range: 6' - 86'			
Not all alloys are avaliable in all listed tempers			

Rod

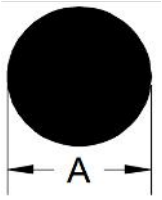
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy



Die Number	Dimension A	Weight Lb/Ft
1001	0.750 (+/-.004)	0.520
1418	0.812 (+/-.004)	0.610
1002	0.875 (+/-.004)	0.707
1003	1.000 (+/-.004)	0.924
1004	1.125 (+/-.005)	1.169
1005	1.250 (+/-.005)	1.443
1006	1.375 (+/-.005)	1.746
1007	1.500 (+/-.005)	2.078
1389	1.562 (+/-.005)	2.253
1008	1.625 (+/-005)	2.439
1009	1.750 (+/-.005)	2.829
1010	1.875 (+/-.005)	3.247
1011	2.000 (+/-.008)	3.695
1012	2.125 (+/-.008)	4.171
1013	2.250 (+/-008)	4.676
1014	2.375 (+/-.008)	5.210
1015	2.500 (+/-.008)	5.773
1016	2.625 (+/-.008)	6.364
1017	2.750 (+/-.008)	6.985
1018	2.875 (+/-.008)	7.634
1019	3.000 (+/-.008)	8.313
1020	3.125 (+/-.012)	9.020
1021	3.250 (+/-012)	9.756
1022	3.375 (+/-.012)	10.521
1023	3.500 (+/-.012)	11.314
1024	3.625 (+/-.012)	12.137
1025	3.750 (+/-.012)	12.989

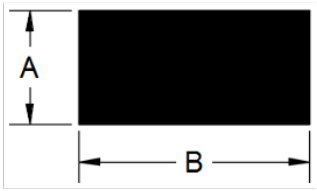
Rod

Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy



1026	3.875 (+/-.012)	13.869
1027	4.000 (+/-.017)	14.778
1028	4.125 (+/-.017)	15.716
1029	4.250 (+/-.017)	16.683
1030	4.375 (+/-.017)	17.679
1031	4.500 (+/-.017)	18.703
1032	4.625 (+/-.017)	19.757
1033	4.750 (+/-.017)	20.839
1034	4.875 (+/-.017)	21.951
1035	5.000 (+/-.017)	23.091
1036	5.125 (+/-.017)	24.260
1037	5.250 (+/-.017)	25.458
1038	5.375 (+/-.017)	26.684
1039	5.500 (+/-.017)	27.940
1040	5.625 (+/-.017)	29.224
1041	5.750 (+/-.017)	30.537
1042	5.875 (+/-.017)	31.880
1043	6.000 (+/-.022)	33.251
1044	6.125 (+/-.022)	34.650
1045	6.250 (+/-.022)	36.079
1298	6.500 (+/-.022)	39.023
1347	6.750 (+/-.022)	42.083
1210	7.000 (+/-.022)	45.258
1373	7.250 (+/-.022)	48.548
1348	7.500 (+/-.022)	51.954

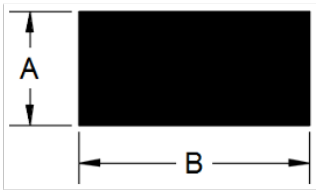
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Weight Lb/Ft
1483	0.188 (+/-.007)	3.000 (+/-.024)	0.663
1116	0.188 (+/-.007)	4.000 (+/-.034)	0.882
1096	0.250 (+/-.008)	2.000 (+/-024)	0.588
1113	0.250 (+/-.008)	3.000 (+/-.024)	0.882
1117	0.250 (+/-.004	4.000 (+/-.017)	1.176
1304	0.250 (+/-.008)	4.500 (+/-.034)	1.323
1099	0.250 (+/-.008)	6.000 (+/-.044)	1.764
1486	0.250 (+/-.008)	8.000 (+/-.054)	2.352
1111	0.375 (+/-.008)	2.000 (+/-.024)	0.882
1610	0.375 (+/-.008)	2.500 (+/-.024)	1.102
1114	0.375 (+/-.008)	3.000 (+/-.024)	1.323
1506	0.375 (+/-.008)	4.000 (+/-.034)	1.764
1499	0.375 (+/-.008)	5.000 (+/-.034)	2.205
1100	0.375 (+/-.008)	6.000 (+/-.044)	2.646
1120	0.375 (+/-.008)	8.000 (+/-.054)	3.528
1451	0.375 (+/-.016)	12.000 (+/-.084)	5.292

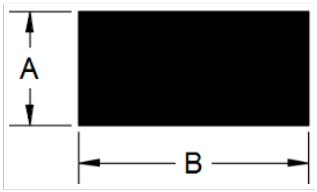
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Manifold Quality			
Die Number	Dimension A	Dimension B	Weight Lb/Ft
1524	0.500 (+.009/-.000)	1.000 (+.012/-.000)	0.588
1525	0.500 (+.009/-.000)	1.250 (+.012/-.000)	0.735
1112	0.500 (+.009/-.000)	2.000 (+.024/-.000)	1.176
1500	0.500 (+.009/-.000)	2.500 (+.024/-.000)	1.470
1115	0.500 (+.009/-.000)	3.000 (+.024/-.000)	1.764
1098	0.500 (+.009/-.000)	4.000 (+.034/-.000)	2.352
1488	0.500 (+.009/-.000)	5.000 (+.034/-.000)	2.940
1101	0.500 (+.009/-.000)	6.000 (+.044/-.000)	3.528
1212	0.500 (+.009/-.000)	7.000 (+.044/-.000)	4.116
1432	0.500 (+.009/-.000)	8.000 (+.054/-.000)	4.704
1441	0.500 (+.017/-.000)	10.000 (+.074/-.000)	5.880

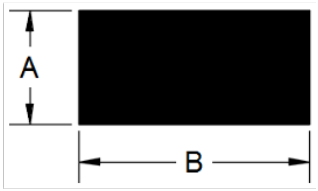
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Weight Lb/Ft
1526	0.625 (+.009/-.000)	1.500 (+.014/-.000)	1.103
1166	0.625 (+.009/-.000)	2.000 (+.024/-.000)	1.470
1403	0.625 (+.009/-.000)	2.500 (+.024/-.000)	1.838
1436	0.625 (+.009/-.000)	3.000 (+.024/-.000)	2.205
1600	0.625 (+.009/-.000)	5.000 (+.034/-.000)	3.675
1453	0.625 (+.009/-.000)	6.000 (+.044/-.000)	4.410
1520	0.625 (+.017/-.000)	10.000 (+.074/-.000)	7.350
1527	0.750 (+.010/-.000)	1.000 (+.012/-.000)	0.882
1452	0.750 (+.010/-.000)	1.500 (+.014/-.000)	1.323
1225	0.750 (+.010/-.000)	2.000 (+.024/-.000)	1.764
1397	0.750 (+.010/-.000)	2.250 (+.024/-.000)	1.985
1367	0.750 (+.010/-.000)	2.500 (+.024/-.000)	2.205
1437	0.750 (+.010/-.000)	3.000 (+.024/-.000)	2.646
1267	0.750 (+.010/-.000)	3.500 (+.024/-.000)	3.087
1151	0.750 (+.010/-.000)	4.000 (+.034/-.000)	3.528
1601	0.750 (+.010/-.000)	4.500 (+.034/-.000)	3.969
1153	0.750 (+.010/-.000)	5.000 (+.034/-.000)	4.410

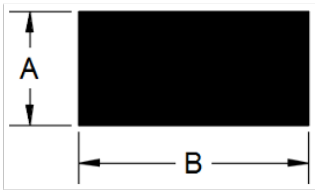
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Weight Lb/Ft
1438	0.750 (+.010/-.000)	6.000 (+.044/-.000)	5.292
1219	0.750 (+.010/-.000)	7.000 (+.044/-.000)	6.174
1307	0.750 (+.010/-.000)	8.000 (+.054/-.000)	7.056
1346	0.750 (+.018/-.000)	10.000 (+.074/-.000)	8.820
1167	0.750 (+.018/-.000)	12.000 (+.084/-.000)	10.584
1513	0.875 (+.010/-.000)	3.000 (+.024/-.000)	3.087
1634	0.875 (+.010/-.000)	6.000 (+.044/-.000)	6.174
1614	0.875 (+.010/-.000)	8.000 (+.054/-.000)	8.232
1450	1.000 (+.012/-.000)	1.250 (+.012/-.000)	1.470
1358	1.000 (+.012/-.000)	1.500 (+.014/-.000)	1.764
1343	1.000 (+.012/-.000)	1.750 (+.014/-.000)	2.058
1221	1.000 (+.012/-.000)	2.000 (+.024/-.000)	2.352
1467	1.000 (+.012/-.000)	2.250 (+.024/-.000)	2.646
1492	1.000 (+.012/-.000)	2.500 (+.024/-.000)	2.940
1398	1.000 (+.012/-.000)	3.000 (+.024/-.000)	3.528
1353	1.000 (+.012/-.000)	3.500 (+.024/-.000)	4.116
1118	1.000 (+.012/-.000)	4.000 (+.034/-.000)	4.704

Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

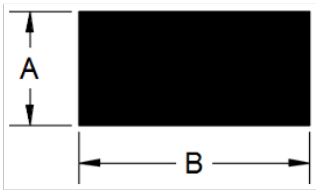
Die Number	Dimension A	Dimension B	Weight Lb/Ft
1482	1.000 (+.012/-.000)	4.500 (+.034/-.000)	5.292
1442	1.000 (+.012/-.000)	5.000 (+.034/-.000)	5.880
1119	1.000 (+.012/-.000)	6.000 (+.044/-.000)	7.056
1723	1.000 (+.012/-.000)	8.000 (+.054/-.000)	9.408
1370	1.000 (+.019/-.000)	10.000 (+.074/-.000)	11.760
1352	1.000 (+.019/-.000)	12.000 (+.084/-.000)	14.112
1291	1.250 (+.012/-.000)	1.500 (+.014/-.000)	2.205
1351	1.250 (+.012/-.000)	1.750 (+.014/-.000)	2.573
1426	1.250 (+.012/-.000)	2.000 (+.024/-.000)	2.940
1220	1.250 (+.012/-.000)	2.500 (+.024/-.000)	3.675
1413	1.250 (+.012/-.000)	3.000 (+.024/-.000)	4.410
1477	1.250 (+.012/-.000)	3.500 (+.024/-.000)	5.145
1412	1.250 (+.012/-.000)	4.000 (+.034/-.000)	5.880
1541	1.250 (+.012/-.000)	4.500 (+.034/-.000)	6.615
1566	1.250 (+.012/-.000)	5.000 (+.034/-.000)	7.350
1408	1.250 (+.012/-.000)	6.000 (+.044/-.000)	8.820
1359	1.500 (+.014/-.000)	2.000 (+.024/-.000)	3.528
1439	1.500 (+.014/-.000)	2.500 (+.024/-.000)	4.410
1402	1.500 (+.012/-.000)	3.000 (+.024/-.000)	5.292
1150	1.500 (+.014/-.000)	3.500 (+.024/-.000)	6.174
1414	1.500 (+.014/-.000)	4.000 (+.034/-.000)	7.056
1440	1.500 (+.014/-.000)	5.000 (+.034/-.000)	8.820
1628	1.500 (+.014/-.000)	5.500 (+.034/-.000)	9.702

Rectangular Bar / Manifold Bar

Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Weight Lb/Ft
1372	1.500 (+.014/-.000)	6.000 (+.044/-.000)	10.584
1181	1.500 (+.014/-.000)	7.500 (+.044/-.000)	13.230
1375	1.500 (+.014/-.000)	8.000 (+.054/-.000)	14.112
1168	1.500 (+.014/-.000)	10.000 (+.074/-.000)	17.640
1473	1.750 (+.014/-.000)	2.000 (+.024/-.000)	4.116
1270	1.750 (+.014/-.000)	2.500 (+.024/-.000)	5.145
1350	1.750 (+.014/-.000)	3.000 (+.024/-.000)	6.174
1732	1.750 (+.014/-.000)	3.500 (+.024/-.000)	7.203
1416	1.750 (+.014/-.000)	5.000 (+.034/-.000)	10.290
1405	2.000 (+.024/-.000)	2.250 (+.024/-.000)	5.292
1476	2.000 (+.024/-.000)	2.500 (+.024/-.000)	5.880

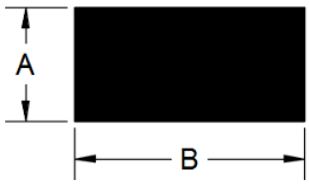
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Weight Lb/Ft
1427	2.000 (+.024/-.000)	3.000 (+.024/-.000)	7.056
1399	2.000 (+.024/-.000)	3.500 (+.024/-.000)	8.232
1422	2.000 (+.024/-.000)	4.000 (+.034/-.000)	9.408
1475	2.000 (+.024/-.000)	4.500 (+.034/-.000)	10.584
1409	2.000 (+.024/-.000)	5.000 (+.034/-.000)	11.760
1385	2.000 (+.024/-.000)	6.000 (+.044/-.000)	14.112
1349	2.000 (+.024/-.000)	8.000 (+.054/-.000)	18.816
1468	2.000 (+.034/-.000)	10.000 (+.074/-.000)	23.520
1702	2.250 (+.024/-.000)	3.000 (+.024/-.000)	7.938
1415	2.500 (+.024/-.000)	3.000 (+.024/-.000)	8.820
1428	2.500 (+.024/-.000)	3.500 (+.024/-.000)	10.290
1355	2.500 (+.024/-.000)	4.000 (+.034/-.000)	10.584
1406	2.500 (+.024/-.000)	5.000 (+.034/-.000)	14.700
1514	2.500 (+.024/-.000)	5.500 (+.024/-.000)	12.348
1376	2.500 (+.024/-.000)	6.000 (+.044/-.000)	17.640
1548	2.500 (+.024/-.000)	6.500 (+.044/-.000)	19.110
1183	2.500 (+.024/-.000)	8.000 (+.054/-.000)	23.520
1445	3.000 (+.024/-.000)	3.500 (+.024/-.000)	12.348
1377	3.000 (+.024/-.000)	4.000 (+.034/-.000)	14.112
1378	3.000 (+.024/-.000)	5.000 (+.034/-.000)	17.640
1423	3.000 (+.024/-.000)	6.000 (+.044/-.000)	21.168
1317	3.000 (+.024/-.000)	7.000 (+.044/-.000)	24.696
1444	3.000 (+.024/-.000)	8.000 (+.054/-.000)	28.224

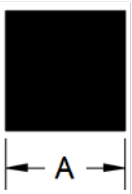
Rectangular Bar / Manifold Bar



Bars .500” or thicker meet manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

1424	3.500 (+.024/-.000)	4.000 (+.034/-.000)	16.464
1425	3.500 (+.024/-.000)	4.500 (+.034/-.000)	18.522
1530	3.500 (+.024/-.000)	6.000 (+.044/-.000)	24.696
1724	4.000 (+.034/-.000)	4.500 (+.034/-.000)	21.168
1379	4.000 (+.034/-.000)	5.000 (+.034/-.000)	23.520
1356	4.000 (+.034/-.000)	6.000 (+.044/-.000)	28.224
1410	4.000 (+.034/-.000)	8.000 (+.054/-.000)	37.632
1639	4.500 (+.034/-.000)	5.000 (+.034/-.000)	26.460
1478	4.500 (+.034/-.000)	5.500 (+.034/-.000)	29.106
1690	4.500 (+.034/-.000)	7.500 (+.044/-.000)	39.631
1395	5.000 (+.034/-.000)	5.500 (+.034/-.000)	32.340
1404	5.000 (+.034/-.000)	6.000 (+.044/-.000)	35.280
1640	5.000 (+.034/-.000)	7.000 (+.044/-.000)	41.160

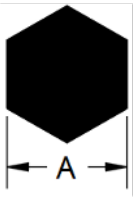
Square Bar



All square bar meets manifold bar requirements
Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Weight Lb/Ft
1471	1.000 (+.012/-.000)	1.176
1472	1.250 (+.012/-.000)	1.838
1528	1.500 (+.014/-.000)	2.646
1531	1.750 (+.014/-.000)	3.602
1419	2.000 (+.024/-.000)	4.704
1197	2.250 (+.024/-.000)	5.954
1386	2.500 (+.024/-.000)	7.350
1387	3.000 (+.024/-.000)	10.584
1429	3.500 (+.024/-.000)	14.406
1268	4.000 (+.034/-.000)	18.816
1549	4.500 (+.034/-.000)	23.895
1354	5.000 (+.034/-.000)	29.400
1474	5.500 (+.034/-.000)	35.574
1420	6.000 (+.044/-.000)	42.336

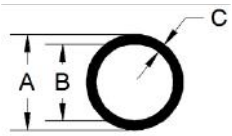
Hexagonal Bar



Tolerances listed apply to 6061-T6511
Weight is based on 6061 alloy

Die Number	Dimension A	Weight Lb/Ft
1274	0.750 (+.005/-.005)	0.573
1604	0.784 (+.005/-.005)	0.626
1553	0.820 (+.005/-.005)	0.686
1552	1.000 (+.006/-.006)	1.018
1299	1.125 (+.006/-.006)	1.289
1743	1.338 (+.006/-.006)	1.823
1597	1.375 (+.006/-.006)	1.925
1097	2.000 (+.012/-.012)	4.074
1209	2.500 (+.012/-.012)	6.366

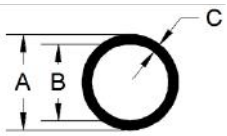
Tube - Structural



Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Dimension C	Weight Lb/Ft
1391	1.250	1.000	0.125	0.520
1575	1.250	0.874	0.188	0.737
1121	1.351	1.031	0.160	0.722
1637	1.500	1.250	0.125	0.635
1501	2.000	1.750	0.125	0.866
1286	2.000	1.500	0.250	1.616
1185	2.750	2.000	0.375	3.290
1462	3.000	2.500	0.250	2.540
1155	3.000	2.250	0.375	3.637
1135	3.000	2.000	0.500	4.618
1602	3.250	2.750	0.250	2.771
1568	3.500	2.000	0.750	7.620
1193	3.750	2.750	0.500	6.004
1447	4.000	3.750	0.125	1.790
1288	4.000	3.500	0.250	3.464
1744	4.000	3.250	0.375	5.023
1095	4.000	2.500	0.750	9.006
1369	4.500	3.500	0.500	7.389
1090	4.750	3.750	0.500	7.851
1047	5.000	4.750	0.125	2.251
1093	5.500	4.750	0.375	7.100
1745	5.500	4.000	0.750	13.162
1290	6.000	5.000	0.500	10.160
1735	6.000	4.000	1.000	18.473
1048	6.450	6.074	0.188	4.350

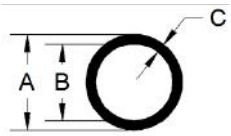
Tube - Structural



Weight is based on 6061 alloy

Die Number	Dimension A	Dimension B	Dimension C	Weight Lb/Ft
1217	6.625	5.761	0.432	9.884
1207	6.646	6.000	0.323	7.545
1630	7.000	6.000	0.500	12.007
1746	7.000	5.000	1.000	12.007
1643	7.500	6.500	0.500	12.931
1295	7.500	6.000	0.750	18.703
1365	8.000	7.750	0.125	3.637
1360	8.000	6.500	0.750	20.830
1631	8.500	7.500	0.500	14.778
1635	9.000	8.000	0.500	15.702
1465	9.000	7.000	1.000	29.556
1598	10.000	9.624	0.188	6.815
1257	12.000	11.500	0.250	10.852
1594	12.000	10.500	0.750	31.172

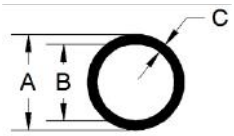
Pipe - Structural



Weight is based on 6061 alloy

Die Number	Designation		Dimension			Weight Lb/Ft
	Pipe Size	Schedule No.	A (OD)	B (ID)	C (WALL)	
1055	1.00	40	1.315	1.049	0.133	0.581
1056	1.25	40	1.660	1.380	0.140	0.786
1417	1.25	80	1.660	1.278	0.191	1.037
1572	1.25	160	1.660	1.160	0.250	1.302
1057	1.50	40	1.900	1.610	0.145	0.940
1485	1.50	80	1.900	1.500	0.200	1.256
1573	1.50	160	1.900	1.338	0.281	1.681
1058	2.00	40	2.375	2.067	0.154	1.264
1318	2.00	80	2.375	1.939	0.218	1.737
1059	2.50	40	2.875	2.469	0.203	2.004
1316	2.50	80	2.875	2.323	0.276	2.650
1570	3.00	10	3.500	3.260	0.120	1.498
1050	3.00	40	3.500	3.068	0.216	2.621
1319	3.00	80	3.500	2.900	0.300	3.547
1574	3.00	160	3.500	2.624	0.438	4.955
1051	3.50	40	4.000	3.548	0.226	3.151
1551	3.50	80	4.000	3.364	0.318	4.326
1644	4.00	10	4.500	4.260	0.120	1.942
1052	4.00	40	4.500	4.026	0.237	3.733
1326	4.00	80	4.500	3.826	0.337	5.183
1053	5.00	40	5.563	5.047	0.258	5.057
1297	5.00	80	5.563	4.813	0.375	7.188
1054	6.00	40	6.625	6.065	0.280	6.564
1217	6.00	80	6.625	5.761	0.432	9.884

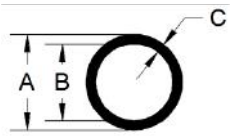
Pipe - Structural



Weight is based on 6061 alloy

Die Number	Designation		Dimension			Weight Lb/Ft
	Pipe Size	Schedule No.	A (OD)	B (ID)	C (WALL)	
1076	8.00	40	8.625	7.981	0.322	9.878
1174	8.00	80	8.625	7.625	0.500	15.010
1077	10.00	40	10.750	10.020	0.365	14.000
1175	10.00	80	10.750	9.562	0.594	22.290
1078	12.00	40	12.750	11.938	0.406	18.520
1218	12.00	80	12.750	11.374	0.688	30.660

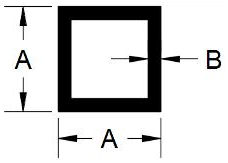
Pipe - Seamless



Weight is based on 6061 alloy

Die Number	Designation		Dimension			Weight Lb/Ft
	Pipe Size	Schedule No.	A (OD)	B (ID)	C (WALL)	
1191	2.00	10	2.375	2.157	0.109	0.913
1065	2.00	40	2.375	2.067	0.154	1.264
1235	2.00	80	2.375	1.939	0.218	1.737
1593	2.00	160	2.375	1.687	0.344	2.581
1199	2.50	10	2.875	2.635	0.120	1.222
1066	2.50	40	2.875	2.469	0.203	2.004
1739	2.50	80	2.875	2.323	0.276	2.650
1192	3.00	10	3.500	3.260	0.120	1.498
1067	3.00	40	3.500	3.068	0.216	2.621
1303	3.00	80	3.500	2.900	0.300	3.547
1607	3.00	160	3.500	2.624	0.438	4.955
1200	3.50	10	4.000	3.760	0.120	1.720
1068	3.50	40	4.000	3.548	0.226	3.151
1137	4.00	10	4.500	4.260	0.120	1.942
1069	4.00	40	4.500	4.026	0.237	3.733
1321	4.00	80	4.500	3.826	0.337	5.183
1201	5.00	10	5.563	5.295	0.134	2.688
1070	5.00	40	5.563	5.047	0.258	5.057
1071	6.00	40	6.625	6.065	0.280	6.563

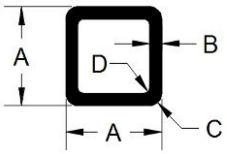
Square - Tube



Weight is based on 6061 alloy

Die Number	Dimension		Weight Lb/Ft
	A	B	
1122	1.000	0.125	0.515
1344	1.250	0.125	0.662
1128	1.500	0.125	0.809
1222	2.000	0.125	1.103
1366	2.000	0.188	1.602
1109	2.000	0.250	2.058
1237	2.500	0.125	1.397
1129	2.500	0.188	2.039
1130	2.500	0.250	2.646
1224	3.000	0.125	1.691
1131	3.000	0.250	3.234
1258	3.000	0.375	4.631
1576	3.000	0.500	5.880
1577	3.500	0.250	3.822
1223	4.000	0.125	2.279
1260	4.000	0.250	4.410
1172	4.000	0.375	6.395
1578	4.000	0.500	8.232
1579	5.000	0.375	8.159
1198	6.000	0.125	3.455
1469	6.000	0.250	6.762
1213	6.000	0.375	9.923
1435	6.000	0.500	12.936
1534	8.000	0.188	6.891
1228	8.000	0.250	9.114
1242	8.000	0.375	13.451
1234	8.000	0.500	17.640

Square Tube Radius Corners



Weight is based on 6061 alloy

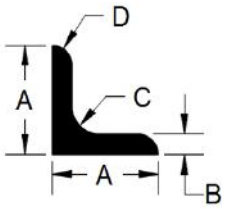
Die Number	Dimension				Weight Lb/Ft
	A	B.	C	D	
1108	2.000	0.188	0.180	0.062	1.599
1504	2.000	0.250	0.375	0.125	1.932

Rectangular Tube

Weight is based on 6061 alloy

Die Number	Dimension			Weight Lb/Ft
	A	B	C	
1285	1.000	1.500	0.125	0.662
1239	1.000	2.000	0.125	0.809
1519	1.000	3.000	0.125	1.103
1645	1.000	4.000	0.125	1.397
1238	1.000	5.000	0.125	1.691
1615	1.000	6.000	0.125	1.985
1287	1.500	2.000	0.125	0.956
1470	1.500	2.500	0.125	1.103
1481	1.500	3.000	0.125	1.250
1522	1.750	3.000	0.125	1.323
1152	2.000	3.000	0.125	1.397
1536	2.000	3.000	0.250	2.646
1314	2.000	4.000	0.125	1.691
1511	2.000	4.000	0.188	2.487
1110	2.000	4.000	0.250	3.234
1480	2.000	6.000	0.125	2.279
1236	2.000	8.000	0.125	2.867
1550	2.000	5.000	0.125	1.985
1368	2.000	6.000	0.250	4.410
1138	3.000	4.000	0.125	1.985
1094	3.000	4.000	0.250	3.822
1694	3.000	6.000	0.125	2.573
1132	4.000	6.000	0.250	5.586
1147	4.000	8.000	0.188	5.867
1466	4.000	8.000	0.250	6.762

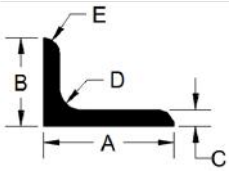
American Standard Equal Angle



Weight is based on 6061 alloy

Die Number	Dimension				Weight Lb/Ft
	A	B	C	D	
1149	1.500	0.125	0.188	0.125	0.432
1102	1.500	0.188	0.188	0.125	0.621
1599	1.500	0.250	0.188	0.125	0.809
1342	1.750	0.188	0.188	0.125	0.731
1535	2.000	0.125	0.250	0.125	0.577
1407	2.000	0.188	0.250	0.125	0.850
1148	2.000	0.250	0.250	0.125	1.110
1103	2.000	0.375	0.250	0.125	1.606
1104	3.000	0.250	0.312	0.250	1.684
1461	3.000	0.500	0.312	0.250	3.227
1555	3.000	0.375	0.313	0.250	2.474
1105	4.000	0.250	0.375	0.250	2.283
1569	4.000	0.375	0.375	0.250	3.366
1509	5.000	0.375	0.500	0.375	4.237
1539	6.000	0.375	0.500	0.375	5.119
1747	6.000	0.500	0.500	0.375	6.754
1556	6.000	0.625	0.500	0.375	8.352
1733	8.000	0.500	0.625	0.375	9.141
1229	8.000	0.750	0.625	0.375	13.478

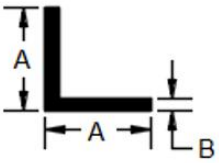
American Standard Unequal Angle



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/Ft
	A	B	C	D	E	
1508	3.000	2.000	0.188	0.312	0.188	1.071
1106	3.000	2.000	0.250	0.312	0.188	1.403
1688	4.000	3.000	0.250	0.375	0.250	1.988
1507	5.000	3.000	0.375	0.375	0.312	3.349
1503	6.000	4.000	0.375	0.500	0.375	4.237
1538	6.000	4.000	0.500	0.500	0.375	5.578

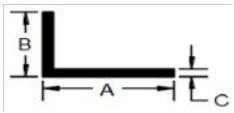
Architectural Equal Angle



Weight is based on 6061 alloy

Die Number	Dimension		Weight Lb/Ft
	A	B	
1456	1.500	0.188	0.622
1384	1.500	0.125	0.422
1484	1.500	0.250	0.809
1371	2.000	0.125	0.569
1740	2.000	0.188	0.843
1454	2.000	0.250	1.103
1455	3.000	0.250	1.691

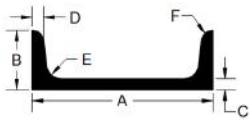
Architectural Unequal Angle



Weight is based on 6061 alloy

Die Number	Dimension			Weight Lb/Ft
	A	B	C	
1510	2.000	1.500	0.188	0.733
1571	3.000	2.000	0.250	1.397
1559	4.000	2.000	0.125	0.863

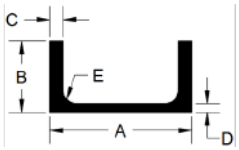
American Standard Channel



Weight is based on 6061 alloy

Die Number	Dimension						Weight Lb/ Ft
	A	B	C	D	E	F	
1328	3.000	1.410	0.170	0.170	0.270	0.100	1.417
1124	4.000	1.580	0.180	0.180	0.280	0.110	1.846
1502	4.000	1.647	0.247	0.180	0.280	0.110	2.161
1433	4.000	1.720	0.320	0.180	0.280	0.110	2.504
1329	5.000	1.750	0.190	0.190	0.290	0.110	2.316
1330	5.000	1.885	0.325	0.190	0.290	0.110	3.108
1489	6.000	1.920	0.200	0.200	0.300	0.120	2.826
1125	6.000	1.945	0.225	0.200	0.300	0.120	3.002
1449	6.000	2.034	0.314	0.200	0.300	0.120	3.631
1246	8.000	2.290	0.250	0.210	0.310	0.130	4.252
1497	8.000	2.527	0.487	0.220	0.320	0.130	6.484
1248	9.000	2.430	0.230	0.230	0.330	0.140	4.604
1176	9.000	2.648	0.448	0.230	0.330	0.140	6.911
1226	10.000	2.600	0.240	0.240	0.340	0.140	5.276
1254	10.000	2.886	0.526	0.240	0.340	0.140	8.641
1251	12.000	2.960	0.300	0.280	0.380	0.170	7.411
1252	12.000	3.170	0.510	0.280	0.380	0.170	10.375
1177	15.000	3.400	0.400	0.400	0.500	0.240	11.708

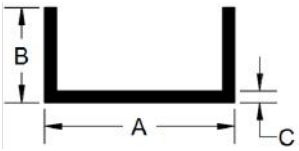
Aluminum Association Channel



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/Ft
	A	B	C	D	E	
1693	3.000	1.500	0.200	0.130	0.250	1.135
1487	4.000	2.000	0.230	0.150	0.250	1.738
1325	4.000	2.250	0.290	0.190	0.250	2.331
1464	5.000	2.750	0.320	0.190	0.300	3.089
1448	6.000	3.250	0.350	0.210	0.300	4.030
1245	7.000	3.500	0.380	0.210	0.300	4.715
1247	8.000	3.000	0.190	0.190	0.300	4.147
1232	8.000	3.750	0.410	0.250	0.350	5.789
1249	10.000	3.500	0.410	0.250	0.350	6.136
1250	10.000	4.250	0.500	0.310	0.400	8.360
1253	12.000	4.000	0.470	0.290	0.400	8.274
1633	12.000	5.000	0.620	0.350	0.450	11.822

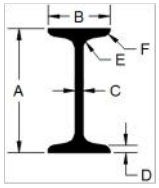
Architectural Channel



Weight is based on 6061 alloy

Die Number	Dimension			Weight Lb/Ft
	A	B	C	
1533	2.000	1.000	0.125	0.552
1544	3.000	2.000	0.125	0.991
1543	4.000	1.500	0.125	0.993
1676	4.000	2.000	0.125	1.140
1446	8.000	2.000	0.125	1.728

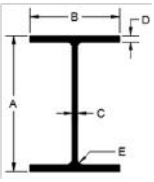
American Standard I-Beam



Weight is based on 6061 alloy

Die Number	Dimension						Weight Lb/ Ft
	A	B	C	D	E	F	
1565	4.000	2.660	0.190	0.190	0.290	0.110	2.644
1505	6.000	3.330	0.230	0.230	0.330	0.140	4.302

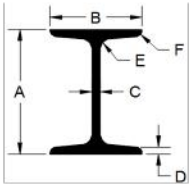
Aluminum Association I-Beam



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/Ft
	A	B	C	D	E	
1537	4.000	3.000	0.170	0.290	0.250	2.793
1675	5.000	3.500	0.190	0.320	0.300	3.700
1493	6.000	4.000	0.190	0.290	0.300	4.030
1729	6.000	4.000	0.210	0.350	0.300	4.692
1642	7.000	4.500	0.230	0.380	0.300	8.322
1361	8.000	5.000	0.230	0.350	0.300	6.181
1684	8.000	5.000	0.250	0.410	0.300	7.023
1685	10.000	6.000	0.250	0.410	0.400	8.646
1632	10.000	6.000	0.290	0.500	0.400	10.287
1388	12.000	7.000	0.290	0.470	0.400	11.672
1686	12.000	7.000	0.310	0.620	0.400	14.292
1629	14.000	8.000	0.300	0.600	0.400	15.967

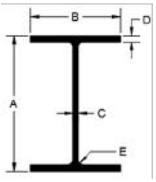
American Standard H-Beam



Weight is based on 6061 alloy

Die Number	Dimension						Weight Lb/ Ft
	A	B	C	D	E	F	
1281	5.000	5.000	0.313	0.330	0.313	0.165	6.494
1498	6.000	5.938	0.250	0.360	0.313	0.180	7.853

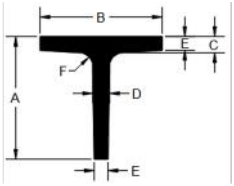
American Standard Wide Flange Beam



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/Ft
	A	B	C	D	E	
1269	6.000	4.000	0.230	0.279	0.250	4.161
1512	8.000	8.000	0.288	0.433	0.400	10.725

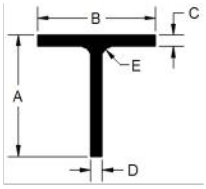
American Standard Tee



Weight is based on 6061 alloy

Die Number	Dimension						Weight Lb/ Ft
	A	B	C	D	E	F	
1380	2.250	2.250	0.312	0.312	0.250	0.250	1.421

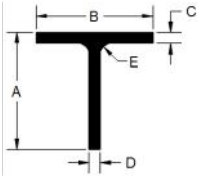
Canadian Tee



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/ Ft
	A	B	C	D	E	
1227	4.000	4.000	0.375	0.375	0.375	3.434

Miscellaneous Tee



Weight is based on 6061 alloy

Die Number	Dimension					Weight Lb/ Ft
	A	B	C	D	E	
1255	6.000	2.000	0.250	0.250	0.015	2.279
1256	8.000	2.000	0.250	0.250	0.015	2.866

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