



STANDARD SHAPE CATALOGUE

IMPERIAL MEASUREMENTS

Last Modified: May 8, 2025

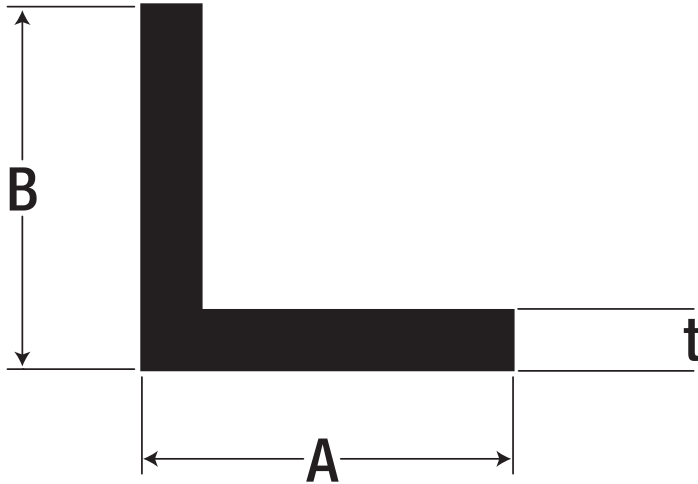


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Angles - Architectural



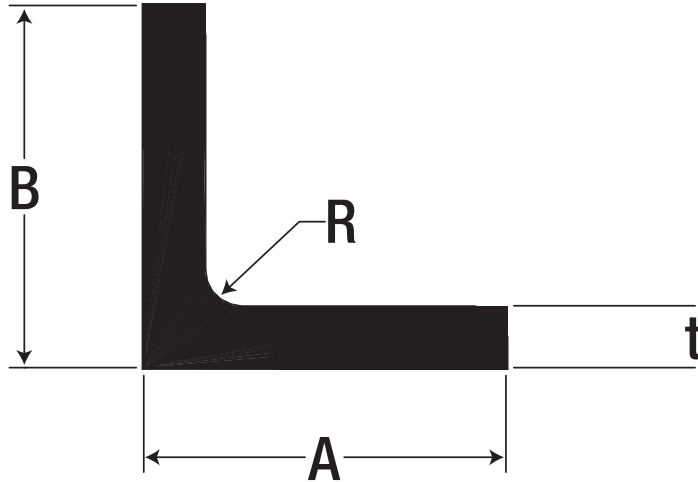
APEX PART #	A	B	t	lb / ft	Comments
1202	0.500	1.000	0.062	0.107	Exposed All Around
3275	0.500	1.000	0.075	0.128	Exposed All Around
1201	0.750	0.750	0.062	0.107	Exposed All Around
1159	1.000	1.000	0.062	0.144	Exposed All Around
1421	1.000	1.000	0.120	0.271	Exposed All Around
6378	1.000	1.500	0.125	0.356	Exposed All Around
1490	1.000	2.000	0.125	0.431	Exposed All Around
1206	1.000	2.500	0.125	0.506	Exposed All Around
1093	1.000	3.000	0.125	0.581	Exposed All Around
1491	1.000	4.000	0.125	0.731	Exposed All Around
1574	1.000	6.000	0.125	1.030	Exposed All Around
1647	1.250	1.250	0.125	0.356	Exposed All Around
1188	1.500	1.500	0.090	0.317	Exposed All Around
1092	1.500	1.500	0.125	0.431	Exposed All Around
1154	2.000	2.000	0.125	0.581	Exposed All Around
4819	2.000	2.000	0.188	0.856	Exposed All Around
4316	2.000	2.000	0.250	1.123	Exposed All Around
1507	2.000	2.500	0.188	0.972	Exposed All Around
1799	2.000	3.000	0.188	1.082	Exposed All Around
1187	2.000	4.000	0.375	2.531	Exposed All Around
1155	2.500	2.500	0.125	0.731	Exposed All Around

*All dimensions in inches. Except as noted, all radii 0.016

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Angles - Structural (Canadian)



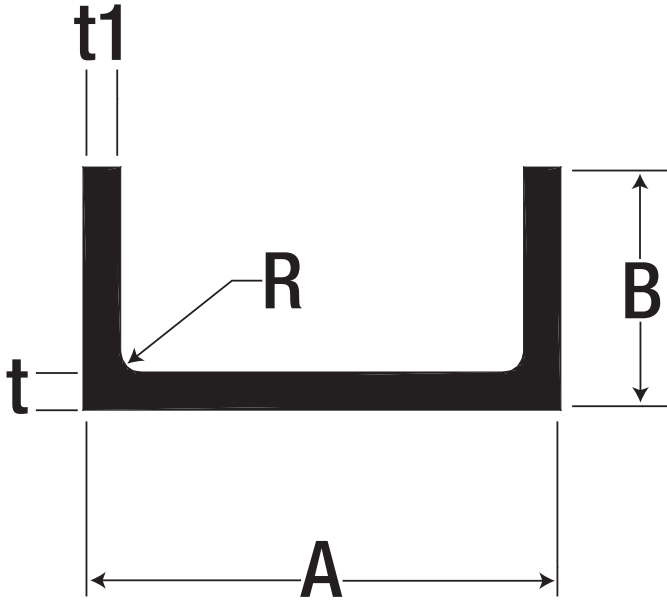
APEX PART #	A	B	t	R	lb / ft	Comments
2983	1.500	1.500	0.125	0.125	0.435	No Exposed Surface
2984	1.500	1.500	0.188	0.188	0.642	No Exposed Surface
2985	1.500	1.500	0.250	0.250	0.841	No Exposed Surface
2023	2.000	2.000	0.125	0.125	0.585	No Exposed Surface
1292	2.000	2.000	0.188	0.188	0.869	No Exposed Surface
1084	2.000	2.000	0.250	0.250	1.141	No Exposed Surface
2023	2.000	2.000	0.125	0.125	0.585	No Exposed Surface
1135	2.000	3.000	0.188	0.188	1.096	No Exposed Surface
1136	2.000	3.000	0.250	0.250	1.441	No Exposed Surface
1291	2.500	2.500	0.188	0.188	1.092	No Exposed Surface
2539	2.500	2.500	0.250	0.250	1.424	No Exposed Surface
5332	3.000	1.500	0.188	0.312	0.969	No Exposed Surface
1293	3.000	3.000	0.188	0.188	1.316	No Exposed Surface
1134	3.000	3.000	0.250	0.250	1.741	No Exposed Surface
1156	3.000	3.000	0.375	0.375	2.567	No Exposed Surface
1506	3.000	4.000	0.250	0.250	2.041	No Exposed Surface
5330	4.000	2.000	0.250	0.250	1.720	No Exposed Surface
1132	4.000	4.000	0.250	0.250	2.341	No Exposed Surface
1133	4.000	4.000	0.375	0.375	3.468	No Exposed Surface
1131	6.000	6.000	0.375	0.375	5.270	No Exposed Surface

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Channel - Structural (Canadian)



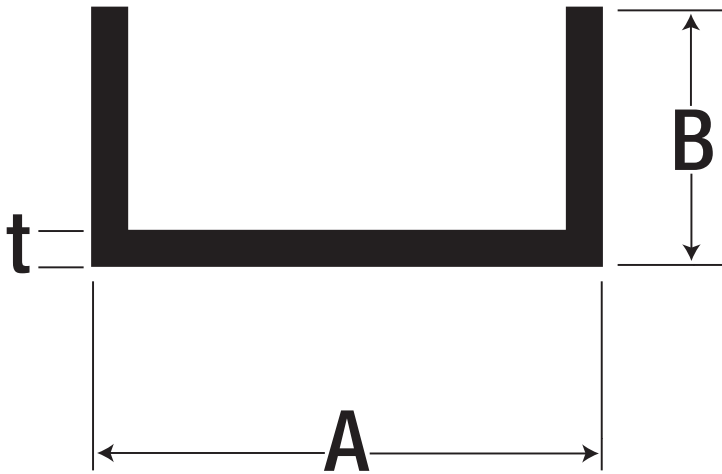
APEX PART #	A	B	t	t1	R	lb/ft	Comments
2536	2.000	2.000	0.375	0.375	0.375	2.435	No Exposed Surface
6062	3.000	1.500	0.130	0.200	0.250	1.134	No Exposed Surface
1176	3.000	1.500	0.188	0.250	0.312	1.514	No Exposed Surface
1287	3.000	1.500	0.250	0.312	0.312	1.885	No Exposed Surface
2024	3.000	1.750	0.170	0.170	0.250	1.289	No Exposed Surface
1172	3.000	2.000	0.250	0.312	0.188	2.228	No Exposed Surface
1083	4.000	2.000	0.188	0.250	0.375	2.062	No Exposed Surface
1168	4.000	2.000	0.250	0.312	0.375	2.585	No Exposed Surface
1174	4.000	2.500	0.250	0.312	0.375	2.956	No Exposed Surface
1294	5.000	2.000	0.188	0.312	0.375	2.557	No Exposed Surface
6063	5.000	2.750	0.190	0.320	0.300	3.088	No Exposed Surface
1634	6.000	2.000	0.281	0.375	0.437	3.668	No Exposed Surface
5746	6.000	2.500	0.170	0.290	0.300	2.891	No Exposed Surface
4322	7.000	3.500	0.210	0.380	0.300	4.810	No Exposed Surface

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Channel - Architectural



APEX PART #	A	B	t	lb / ft	Comments
2850	1.000	1.000	0.125	0.412	Exposed All Around
2851	1.000	1.500	0.125	0.562	Exposed All Around
6377	1.250	1.250	0.125	0.524	Exposed All Around
1170	1.500	0.750	0.070	0.242	Exposed All Around
1169	1.500	0.750	0.080	0.271	Exposed All Around
2546	1.500	0.750	0.100	0.337	Exposed All Around
4313	1.500	1.500	0.125	0.636	Exposed All Around
4533	2.000	1.000	0.125	0.562	Exposed All Around
4640	2.500	1.500	0.125	0.787	Exposed All Around
4314	3.000	1.000	0.125	0.711	Exposed All Around
1602	3.000	2.000	0.188	1.490	Exposed All Around
2603	6.000	2.500	0.250	3.149	Exposed All Around

*All dimensions in inches. Except as noted, all radii 0.016

Extruded Bar



APEX PART #	A	B	lb / ft	Comments
1540	0.125	1.000	0.150	No Exposed Surface
3591	0.125	1.500	0.224	Exposed All Around
2884	0.125	3.000	0.450	No Exposed Surface
3307	0.125	2.500	0.375	No Exposed Surface
1559	0.188	1.000	0.226	No Exposed Surface
3118	0.188	1.500	0.338	No Exposed Surface
3119	0.188	2.000	0.451	No Exposed Surface
3120	0.188	2.500	0.564	No Exposed Surface
3121	0.188	3.000	0.677	No Exposed Surface
4467	0.250	1.000	0.300	Exposed All Around
1151	0.250	1.500	0.450	No Exposed Surface
1152	0.250	2.000	0.600	No Exposed Surface
1153	0.250	2.500	0.750	No Exposed Surface
1295	0.250	3.000	0.900	No Exposed Surface
1568	0.250	3.500	1.050	No Exposed Surface
1082	0.250	4.000	1.200	No Exposed Surface
5968	0.250	5.000	1.499	Exposed All Around
1601	0.250	6.000	1.799	No Exposed Surface
3473	0.312	0.500	0.187	Exposed All Around
3474	0.312	0.750	0.281	Exposed All Around
3475	0.312	1.750	0.655	Exposed All Around
3476	0.312	3.500	1.310	Exposed All Around
4331	0.375	1.000	0.450	Exposed All Around
4332	0.375	2.000	1.339	Exposed All Around

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**Extruded Bar
(Continued)**



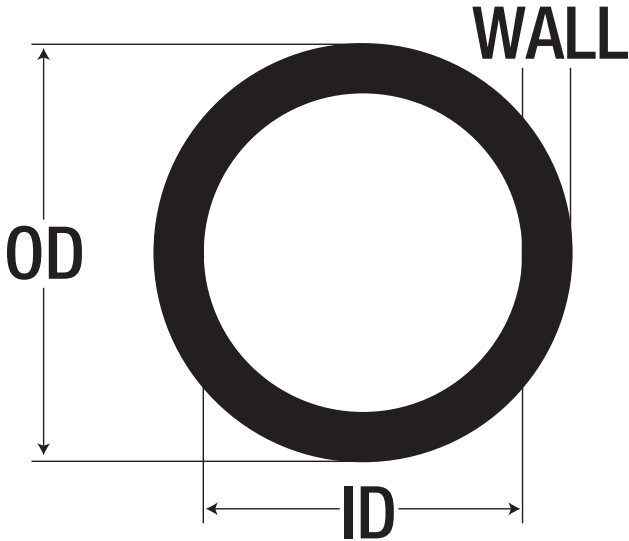
APEX PART #	A	B	lb / ft	Comments
1296	0.375	3.000	1.350	No Exposed Surface
1115	0.375	4.000	1.800	No Exposed Surface
1116	0.375	5.000	2.250	No Exposed Surface
1117	0.375	6.000	2.700	No Exposed Surface
3477	0.500	0.750	0.450	Exposed All Around
3478	0.500	1.250	0.750	Exposed All Around
6064	0.500	2.000	1.199	No Exposed Surface
1692	0.500	2.500	1.499	No Exposed Surface
4333	0.625	3.000	2.249	No Exposed Surface
3390	0.750	2.000	1.799	No Exposed Surface
1648	0.500	4.000	2.399	No Exposed Surface
1137	0.500	5.000	3.000	No Exposed Surface
1138	0.500	6.000	3.600	No Exposed Surface
1830	0.500	3.000	1.799	No Exposed Surface
5228	0.625	1.000	0.750	No Exposed Surface
6065	0.750	1.250	1.124	No Exposed Surface
2443	0.750	3.000	2.700	No Exposed Surface
3406	0.750	3.500	3.149	No Exposed Surface
1856	0.750	4.000	3.598	No Exposed Surface
4474	1.000	1.000	1.199	No Exposed Surface
6066	1.000	1.750	2.098	No Exposed Surface
1378	1.000	2.000	2.400	No Exposed Surface
3388	1.000	3.000	3.588	No Exposed Surface
6069	1.500	2.000	3.597	No Exposed Surface

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Extruded Pipe - Schedule



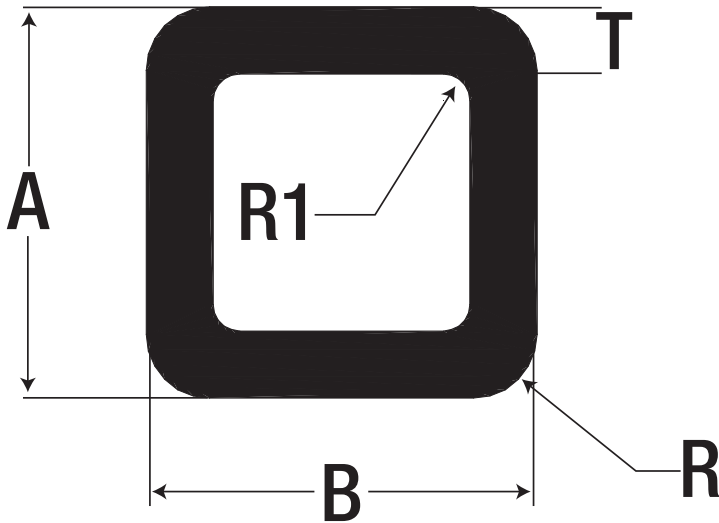
APEX PART #	Size	Sch. #	O.D.	I.D.	WALL	lb/ft	Comments
5368	0.500	40	0.840	0.622	0.109	0.300	Exposed All Around
4751	0.750	40	1.050	0.824	0.113	0.399	Exposed All Around
5369	0.750	40	1.050	0.824	0.113	0.399	Exposed All Around, Apex ID Mark
1852	1.000	10	1.315	1.097	0.109	0.486	Exposed All Around
1297	1.000	40	1.315	1.049	0.133	0.581	Exposed All Around
1140	1.250	40	1.660	1.380	0.140	0.786	Exposed All Around
2007	1.500	10	1.900	1.682	0.109	0.721	Exposed All Around
1090	1.500	40	1.900	1.610	0.145	0.940	Exposed All Around
4227	1.500	80	1.902	1.502	0.200	1.282	Exposed All Around
2008	2.000	10	2.375	2.157	0.109	0.913	Exposed All Around
1298	2.000	40	2.375	2.067	0.154	1.264	Exposed All Around
1299	2.000	80	2.375	1.939	0.218	1.737	Exposed All Around
1141	2.500	40	2.875	2.469	0.203	2.004	Exposed All Around
2021	3.000	40	3.500	3.068	0.216	2.621	Exposed All Around
4270	3.000	80	3.500	2.900	0.300	3.617	Exposed All Around
4226	3.500	40	4.000	3.548	0.230	3.214	Exposed All Around
2022	4.000	40	4.500	4.026	0.237	3.733	Exposed All Around

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Extruded Tubing - Radius on Corners



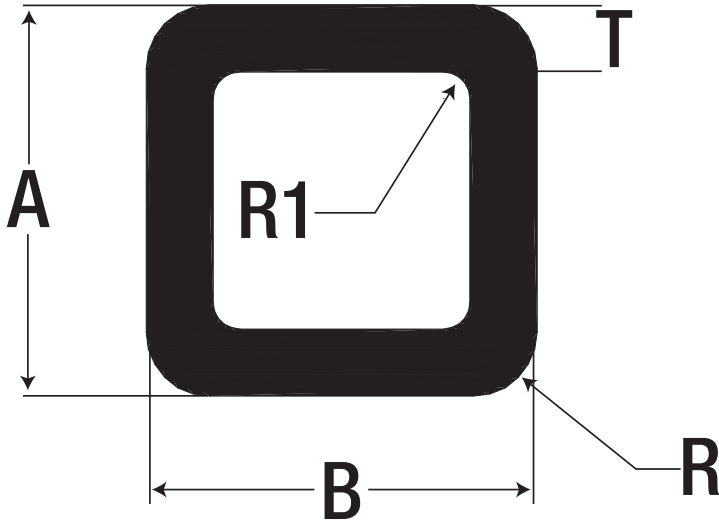
APEX PART #	A	B	T	R	R1	lb/ft	Comments
1547	0.625	1.000	0.050	0.079	0.029	0.177	Exposed All Around
1280	0.750	3.000	0.125	0.030	0.030	0.976	Exposed All Around
2640	1.000	1.000	0.095	0.120	0.010	0.398	Exposed All Around
1858	1.000	1.000	0.120	0.120	0.015	0.492	Exposed All Around
4639	1.000	1.000	0.125	0.125	0.015	0.508	Exposed All Around
1550	1.250	1.250	0.125	0.188	0.063	0.642	Exposed All Around
1085	1.500	1.500	0.120	0.312	0.192	0.732	Exposed All Around
4675	1.500	1.500	0.140	0.312	0.172	0.844	Exposed All Around
1800	1.500	1.500	0.188	0.312	0.192	1.118	Exposed All Around
1286	1.500	6.000	0.125	0.125	0.063	2.162	Exposed All Around
4476	2.000	2.000	0.125	0.125	0.015	1.108	Exposed All Around
1086	2.000	2.000	0.120	0.375	0.256	1.006	Exposed All Around
1539	2.000	2.000	0.188	0.400	0.250	1.536	Exposed All Around
3339	2.000	2.000	0.250	0.250	0.125	2.051	Exposed All Around
2039	2.000	4.000	0.188	0.188	0.094	2.504	Exposed All Around
5367	2.000	4.000	0.250	0.375	0.125	3.169	Exposed All Around
1167	2.000	6.000	0.188	0.312	0.124	3.359	Exposed All Around

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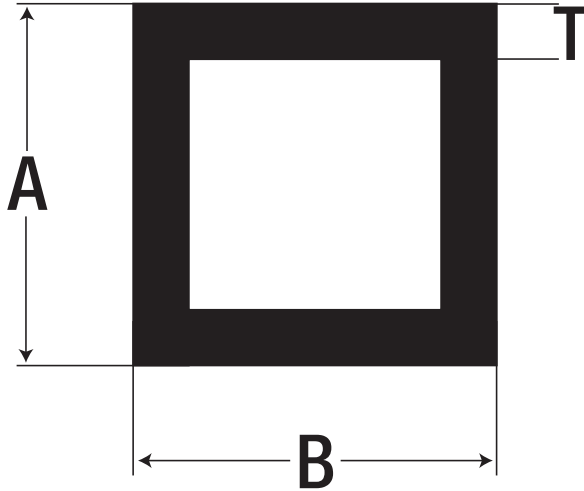
**Extruded Tubing - Radius on Corners
(Continued)**



APEX PART #	A	B	T	R	R1	lb/ft	Comments
4292	2.000	6.000	0.250	0.250	1.016	4.435	Exposed All Around
1649	2.500	2.500	0.079	0.094	0.063	0.913	Exposed All Around
3766	2.500	2.500	0.188	0.250	0.062	2.025	Exposed All Around
2408	2.875	2.875	0.120	0.135	0.015	1.568	Exposed All Around
1087	3.000	3.000	0.120	0.135	0.016	1.640	Exposed All Around
1505	3.000	3.000	0.188	0.250	0.062	2.477	Exposed All Around
3538	3.000	3.000	0.250	0.375	0.250	3.219	Exposed All Around
1546	4.000	4.000	0.125	0.125	0.015	2.309	Exposed All Around
1756	4.000	4.000	0.188	0.188	0.188	3.431	Exposed All Around
1173	4.000	4.000	0.250	0.250	0.250	4.500	Exposed All Around
2729	6.000	6.000	0.120	0.250	0.130	3.339	Exposed All Around

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Extruded Tubing - Square and Rectangular with Square Corners



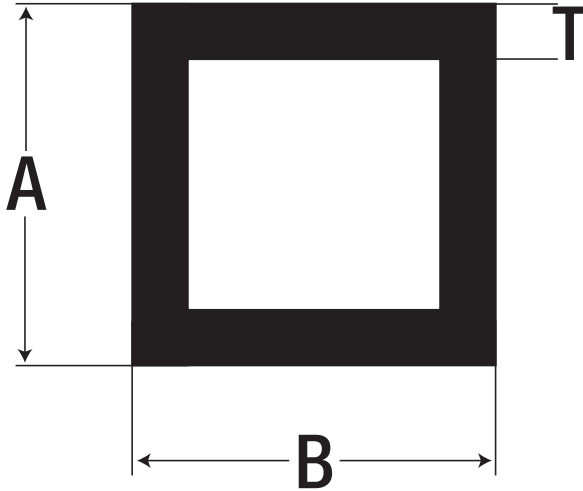
APEX PART #	A	B	T	lb/ft	Comments
1091	0.625	0.625	0.049	0.136	Exposed All Around
1150	0.625	1.500	0.050	0.242	Exposed All Around
1166	0.750	0.750	0.062	0.205	Exposed All Around
2657	0.750	0.750	0.090	0.285	Exposed All Around
1279	0.750	3.000	0.065	0.565	Exposed All Around
6037	1.000	1.000	0.063	0.281	Exposed All Around
1240	1.000	1.000	0.080	0.352	Exposed All Around
2604	1.000	1.000	0.095	0.393	Exposed All Around
1171	1.000	1.000	0.120	0.508	Exposed All Around
1650	1.000	1.000	0.125	0.525	Exposed All Around
3593	1.000	1.500	0.125	0.675	Exposed All Around
1261	1.000	2.000	0.063	0.431	Exposed All Around
1268	1.000	2.000	0.075	0.514	Exposed All Around
3567	1.000	2.000	0.125	0.825	Exposed All Around
1691	1.000	2.500	0.125	0.974	Exposed All Around
2378	1.000	3.000	0.095	0.869	Exposed All Around
3568	1.000	3.000	0.125	1.124	Exposed All Around
1241	1.000	4.000	0.095	1.095	Exposed All Around
1722	1.250	1.250	0.125	0.675	Exposed All Around
1149	1.500	1.500	0.075	0.511	Exposed All Around
1654	1.500	1.500	0.125	0.825	Exposed All Around

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**Extruded Tubing - Square and Rectangular with Square Corners
(Continued)**



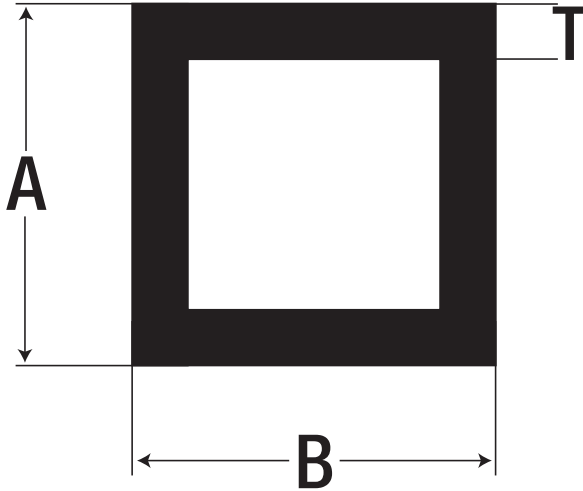
APEX PART #	A	B	T	lb/ft	Comments
4510	1.500	1.500	0.188	1.183	Exposed All Around
1242	1.500	2.500	0.095	0.867	Exposed All Around
2142	1.500	3.000	0.125	1.275	Exposed All Around
2442	1.750	1.750	0.075	0.603	Exposed All Around
2044	1.750	4.000	0.095	1.268	Exposed All Around
1420	2.000	2.000	0.063	0.581	Exposed All Around
1088	2.000	2.000	0.095	0.869	Exposed All Around
1089	2.000	2.000	0.125	1.126	Exposed All Around
5070	2.000	2.000	0.188	1.602	Exposed All Around
1651	2.000	2.000	0.250	2.099	Exposed All Around
1508	2.000	2.500	0.183	1.811	Exposed All Around
3252	2.000	3.000	0.125	1.424	Exposed All Around
1652	2.000	3.000	0.250	2.699	Exposed All Around
1157	2.000	4.000	0.125	1.712	Exposed All Around
4294	2.000	4.000	0.375	4.724	Exposed All Around
4283	2.000	5.000	0.125	2.020	Exposed All Around
1653	2.000	6.000	0.125	2.324	Exposed All Around
5099	2.000	8.000	0.125	2.924	Exposed All Around
4100	2.000	10.000	0.125	3.524	Exposed All Around
1148	2.500	2.500	0.079	0.909	Exposed All Around
2602	2.500	2.500	0.250	2.699	Exposed All Around

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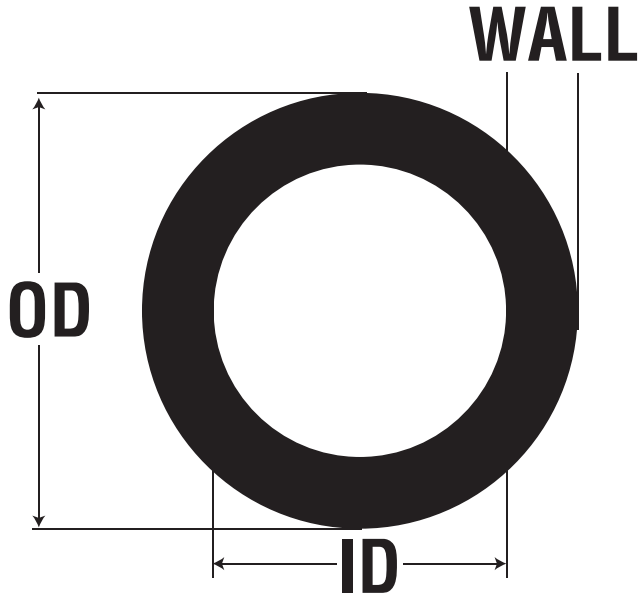
**Extruded Tubing - Square and Rectangular with Square Corners
(Continued)**



APEX PART #	A	B	T	lb/ft	Comments
1501	2.500	3.500	0.095	1.323	Exposed All Around
1504	2.500	7.500	0.110	2.582	Exposed All Around
2697	3.000	3.000	0.120	1.658	Exposed All Around
3253	3.000	3.000	0.188	2.200	Exposed All Around
3254	3.000	3.000	0.250	3.298	Exposed All Around
4323	3.000	6.000	0.190	3.930	Exposed All Around
4293	4.000	3.000	0.250	3.899	Exposed All Around
4876	4.000	4.000	0.125	2.324	Exposed All Around
3597	4.000	4.000	0.188	3.438	Exposed All Around
3161	4.000	4.000	0.250	4.500	Exposed All Around
1458	4.000	5.000	0.188	3.881	Exposed All Around
2754	4.000	6.000	0.125	2.923	Exposed All Around
1684	4.000	6.000	0.188	4.067	Exposed All Around
2696	6.000	6.000	0.125	3.523	Exposed All Around

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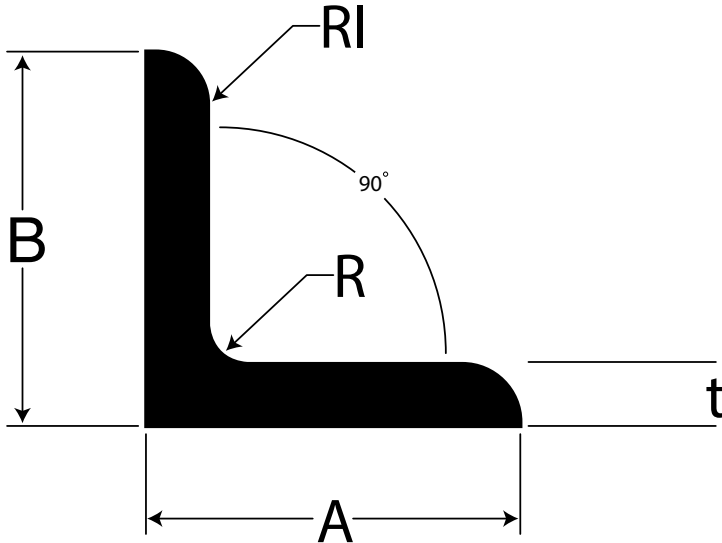
Extruded Tubing - Round



APEX PART #	O.D.	WALL	I.D.	lb / ft	Comments
1997	0.750	0.063	0.625	0.162	Exposed All Around
3772	1.500	0.083	1.334	0.444	Exposed All Around
1984	1.500	0.125	1.250	0.648	Exposed All Around
2148	2.000	0.125	1.750	0.884	Exposed All Around
1741	4.000	0.125	3.750	1.825	Exposed All Around
1742	6.000	0.125	5.750	2.767	Exposed All Around

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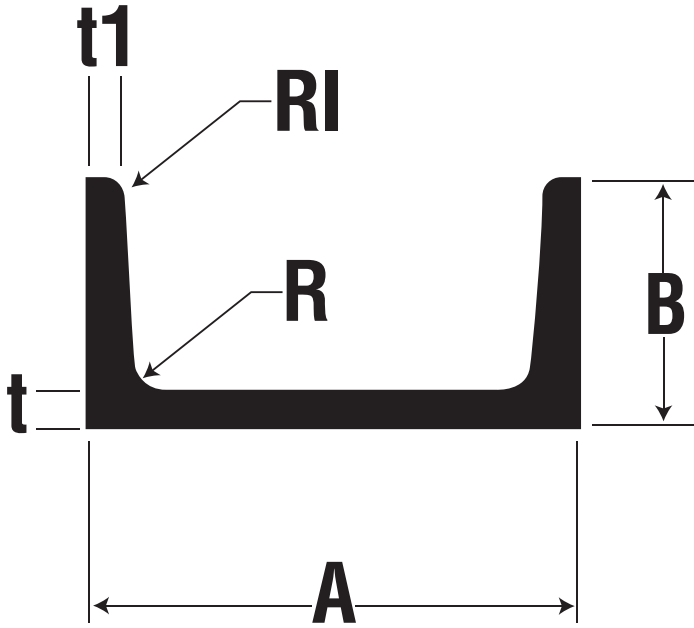
Structural Angle (American Standard)



APEX PART #	A	B	T	R	R1	lb/ft	Comments
4286	1.250	1.250	0.125	0.188	0.125	0.357	No Exposed Surface
3536	1.500	1.500	0.125	0.187	0.125	0.432	No Exposed Surface
6067	1.500	1.500	0.188	0.188	0.125	0.619	No Exposed Surface
3178	1.500	1.500	0.250	0.188	0.125	0.809	No Exposed Surface
3179	2.000	2.000	0.125	0.250	0.125	0.577	No Exposed Surface
3180	2.000	2.000	0.188	0.250	0.125	0.850	No Exposed Surface
3181	2.000	2.000	0.250	0.250	0.125	1.110	No Exposed Surface
3472	2.500	2.500	0.375	0.250	0.125	2.047	No Exposed Surface
3249	3.000	2.000	0.250	0.313	0.188	1.432	No Exposed Surface
6068	3.000	3.000	0.188	0.312	0.250	1.275	No Exposed Surface
3529	3.000	3.000	0.250	0.313	0.250	1.684	No Exposed Surface
3182	4.000	4.000	0.250	0.375	0.250	2.283	No Exposed Surface

*All dimensions in inches. Except as noted, all radii 0.016

Structural Channel (American Standard)



APEX PART #	A	B	T	t1	R	R1	lb/ft	Comments
3250	3.000	1.410	0.170	0.190	0.270	0.100	1.508	Slope 1:6
5071	4.000	1.500	0.180	0.188	0.280	0.110	1.836	Slope 1:6
3408	6.000	1.920	0.200	0.200	0.300	0.120	2.828	Slope 1:6
3251	8.000	2.290	0.250	0.264	0.320	0.130	4.554	Slope 1:6

*All dimensions in inches. Except as noted, all radii 0.016



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