

STANDARD SHAPE CATALOGUE
IMPERIAL MEASUREMENTS



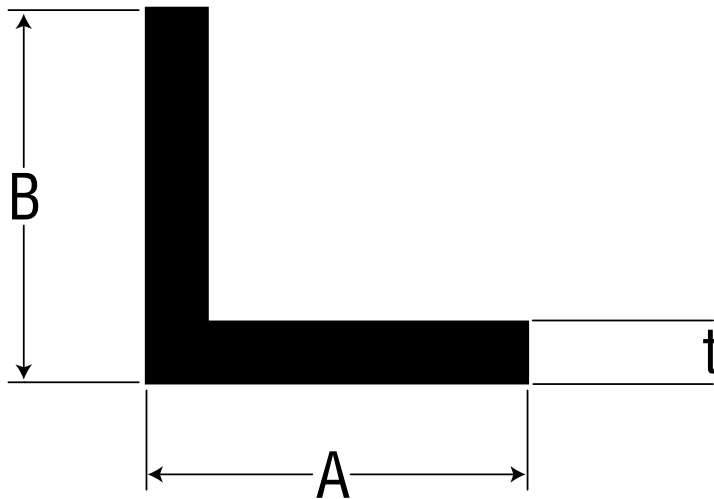
STANDARD SHAPE CATALOGUE

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Angles - Architectural



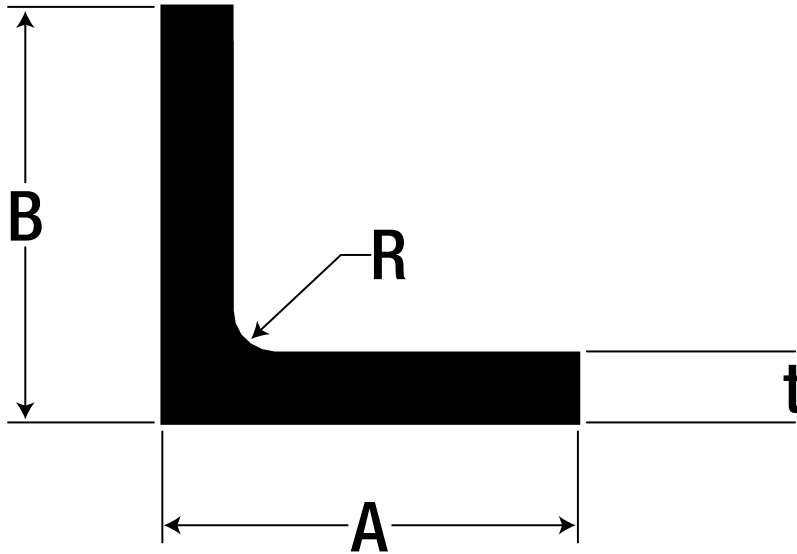
APEX PART #	A	B	t	lb / ft	Comments
1202	0.500	1.000	0.062	0.107	Exposed All Around
1201	0.750	0.750	0.062	0.107	Exposed All Around
1159	1.000	1.000	0.062	0.144	Exposed All Around
1421	1.000	1.000	0.120	0.271	Exposed All Around
1490	1.000	2.000	0.125	0.431	Exposed All Around
1206	1.000	2.500	0.125	0.506	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
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
3275	0.500	1.000	0.075	0.128	Exposed All Around

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Angles - Structural (Canadian)

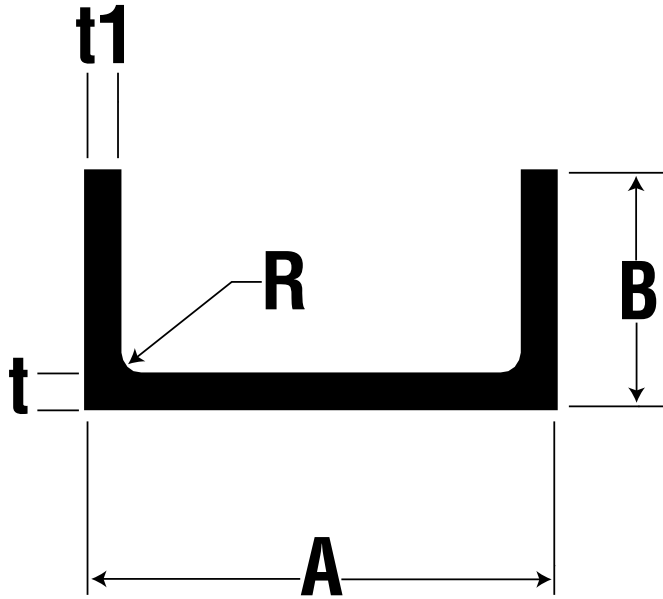


APEX PART #	A	B	t	R	lb / ft	Comments
2985	1.500	1.500	0.250	0.250	0.841	No Exposed Surface
2984	1.500	1.500	0.188	0.188	0.642	No Exposed Surface
2983	1.500	1.500	0.125	0.125	0.435	No Exposed Surface
2023	2.000	2.000	0.125	0.125	0.585	No Exposed Surface
1292	2.000	2.000	0.188	0.188	0.869	No Exposed Surface
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
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
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)



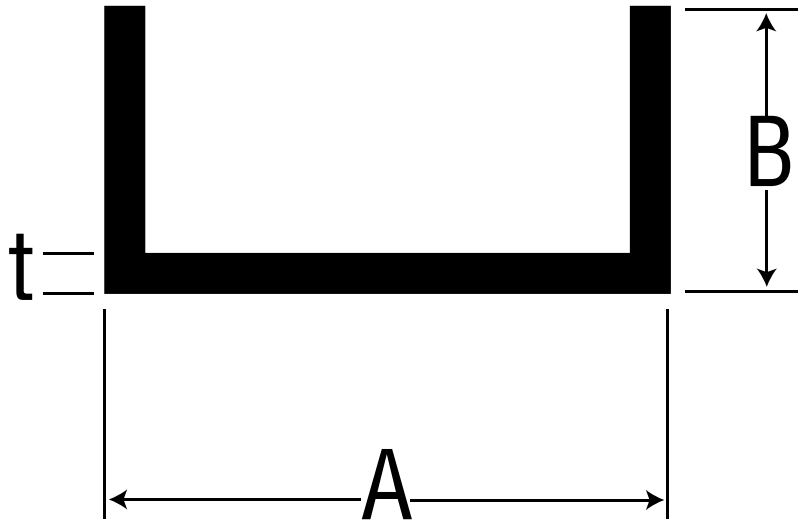
APEX PART #	A	B	t	t1	R	lb/ft	Comments
2536	2.000	2.000	0.375	0.375	0.375	2.435	No Exposed Surface
1176	3.000	1.500	0.188	0.250	0.312	1.514	No Exposed Surface
1287	3.000	1.500	0.250	0.312	0.312	1.885	No Exposed Surface
2024	3.000	1.750	0.170	0.170	0.250	1.289	No Exposed Surface
1172	3.000	2.000	0.250	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 Surfaces
1294	5.000	2.000	0.188	0.312	0.375	2.557	No Exposed Surface
1634	6.000	2.000	0.281	0.375	0.437	3.668	No Exposed Surface

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Channel - Architectural



APEX PART #	A	B	t	lb / ft	Comments
1170	1.500	0.750	0.070	0.242	Exposed All Around
1602	3.000	2.000	0.188	1.490	Exposed All Around
1169	1.500	0.750	0.080	0.271	Exposed All Around
2546	1500	0.750	0.100	0.337	Exposed All Around
2603	6.000	2.500	0.250	3.149	Exposed All Around
2851	1.000	1.500	0.125	0.562	Exposed All Around
2850	1.000	1.000	0.125	0.412	Exposed All Around

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Extruded Bar



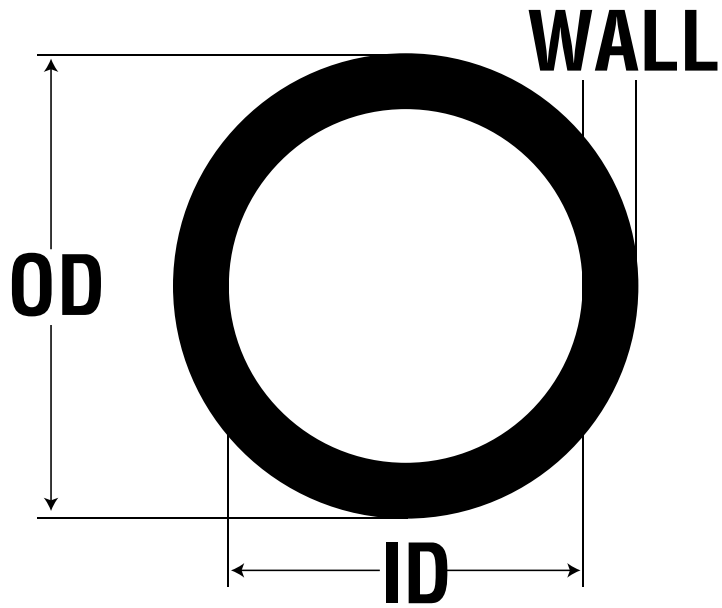
APEX PART #	A	B	lb / ft	Comments
1540	0.125	1.000	0.150	No Exposed Surface
2884	0.125	3.000	0.450	No Exposed Surface
1559	0.188	1.000	0.226	No Exposed Surface
1151	0.250	1.500	0.450	No Exposed Surface
1152	0.250	2.000	0.600	No Exposed Surface
1153	0.250	2.500	0.750	No Exposed Surface
1295	0.250	3.000	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
1601	0.250	6.000	1.799	No Exposed Surface
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
1692	0.500	2.500	1.499	No Exposed Surface
1830	0.500	3.000	1.799	No Exposed Surfaces
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
2443	0.750	3.000	2.700	No Exposed Surface
1856	0.750	4.000	3.598	No Exposed Surface
1378	1.000	2.000	2.400	No Exposed Surface
3121	0.188	3.000	0.677	No Exposed Surface
3120	0.188	2.500	0.564	No Exposed Surface
3119	0.188	2.000	0.451	No Exposed Surface
3118	0.188	1.500	0.338	No Exposed Surface
3307	0.125	2.500	0.375	No Exposed Surface
3388	1.000	3.000	3.588	No Exposed Surface
3390	0.750	2.000	1.799	No Exposed Surface
3406	0.750	3.500	3.149	No Exposed Surface

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Extruded Pipe - Schedule

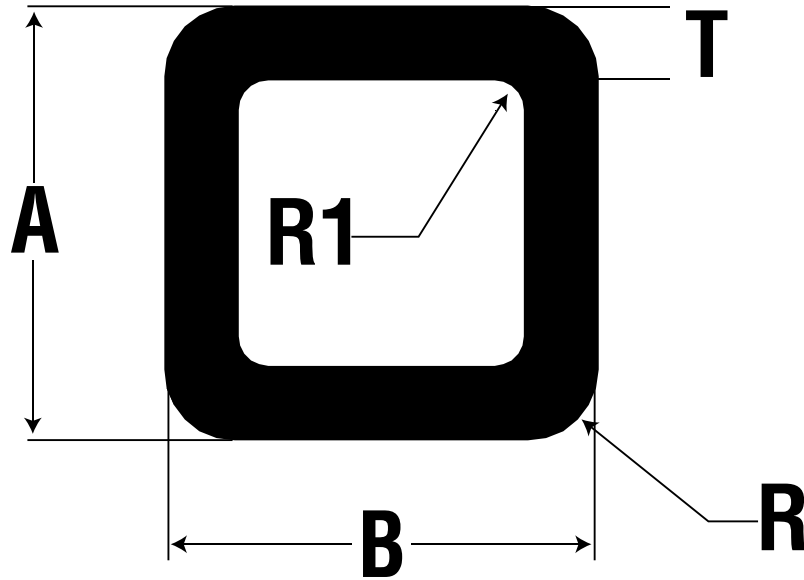


APEX PART #	Size	Sch. #	O.D.	I.D.	WALL	lb/ft	Comments
1852	1.000	10	1.315	1.097	0.109	0.486	Exposed All Around
1297	1.000	40	1.315	1.049	0.133	0.581	Exposed All Around
1140	1.250	40	1.660	1.380	0.140	0.786	Exposed All Around
2007	1.500	10	1.900	1.682	0.109	0.721	Exposed All Around
1090	1.500	40	1.900	1.610	0.145	0.940	Exposed All Around
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
2022	4.000	40	4.500	4.026	0.237	3.733	Exposed All Around

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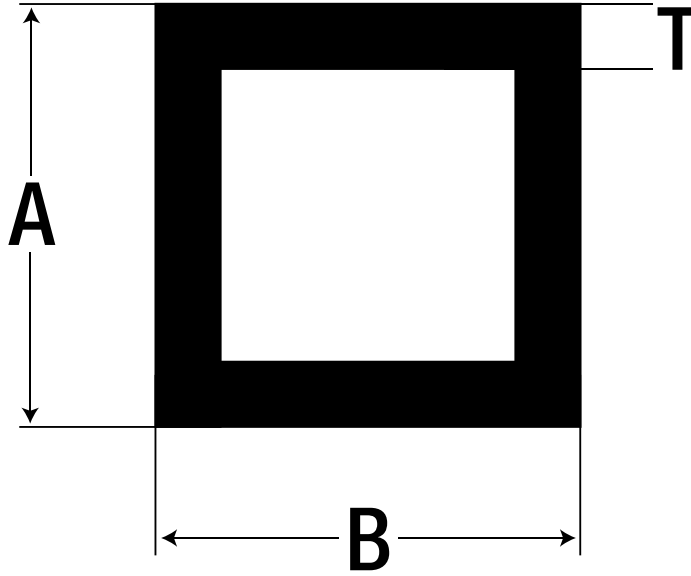
Extruded Tube - Square and Rectangular with Radius Corners



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
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
1800	1.500	1.500	0.188	0.312	0.192	1.118	No Exposed Surfaces
1286	1.500	6.000	0.125	0.125	0.063	2.162	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
2039	2.000	4.000	0.188	0.188	0.094	2.504	Exposed All Around
1167	2.000	6.000	0.188	0.312	0.124	3.359	No Exposed Surfaces
1649	2.500	2.500	0.079	0.094	0.063	0.913	Exposed All Around
2408	2.875	2.875	0.120	0.135	0.015	1.568	Exposed All Around
1505	3.000	3.000	0.188	0.250	0.062	2.477	No Exposed Surfaces
1087	3.000	3.000	0.120	0.135	0.016	1.640	Exposed All Around
1546	4.000	4.000	0.125	0.125	0.015	2.309	No Exposed Surfaces
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	No Exposed Surfaces
2729	6.000	6.000	0.120	0.250	0.130	3.339	No Exposed Surfaces
3339	2.000	2.000	0.250	0.250	0.125	2.051	No Exposed Surface

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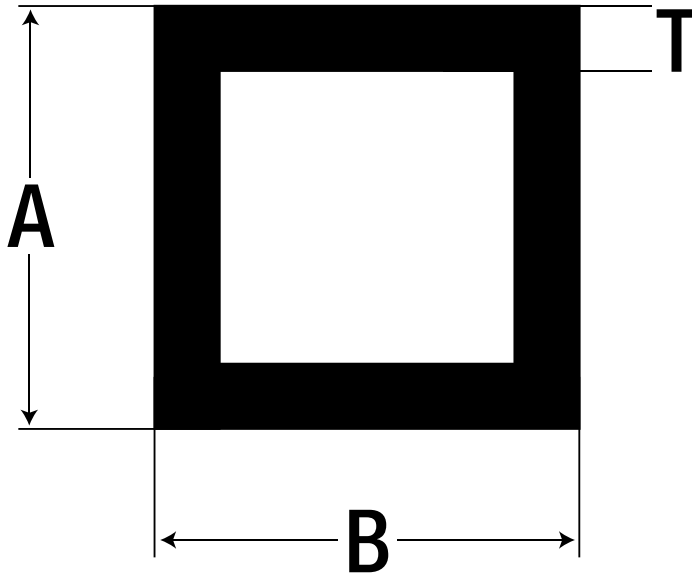
**Extruded Tube - Square and Rectangular with Square Corners**

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	0.650	0.565	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
1261	1.000	2.000	0.063	0.431	Exposed All Around
1268	1.000	2.000	0.075	0.514	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
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
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

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Continue to next page.

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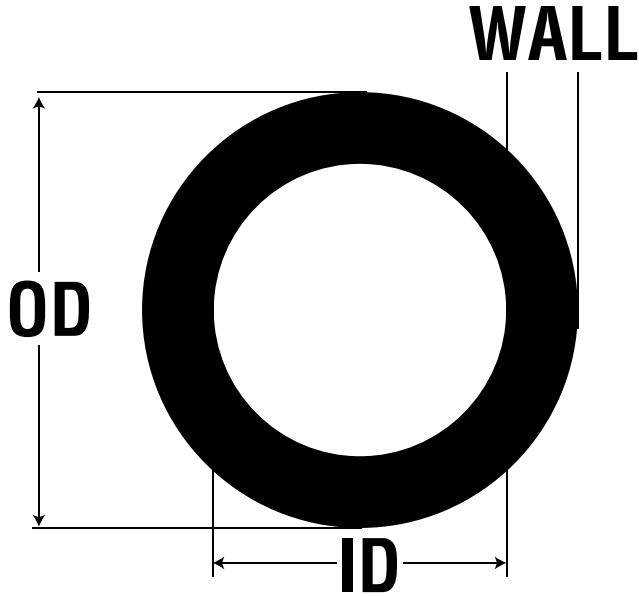
APEX PART #	A	B	T	lb/ft	Comments
2044	1.750	4.000	0.095	1.268	Exposed All Around
2442	1.750	1.750	0.075	0.603	Exposed All Around
1420	2.000	2.000	0.063	0.581	Exposed All Around
1088	2.000	2.000	0.095	0.869	Exposed All Around
1089	2.000	2.000	0.125	1.126	Exposed All Around
1651	2.000	2.000	0.250	2.099	Exposed All Around
1508	2.000	2.500	0.183	1.811	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
1653	2.000	6.000	0.125	2.324	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
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
3161	4.000	4.000	0.250	4.500	Exposed All Around
1458	4.000	5.000	0.188	3.881	Exposed All Around
1684	4.000	6.000	0.188	4.067	Exposed All Around
2754	4.000	6.000	0.125	2.923	Exposed All Around
2696	6.000	6.000	0.125	3.523	Exposed All Around
3252	2.000	3.000	0.125	1.424	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

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Extruded Tubing - Round

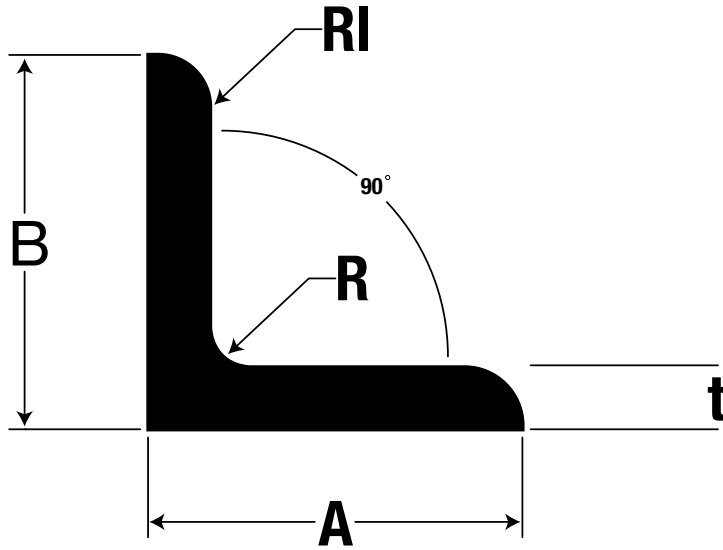


APEX PART #	O.D.	WALL	I.D.	lb / ft	Comments
1997	0.750	0.063	0.625	0.162	Exposed All Around
1984	1.500	0.125	1.250	0.648	Exposed All Around
2148	2.000	0.125	1.750	0.884	Exposed All Around
1741	4.000	0.125	3.750	1.825	Exposed All Around
1742	6.000	0.125	5.750	2.767	Exposed All Around

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Structural Angle (American Standard)



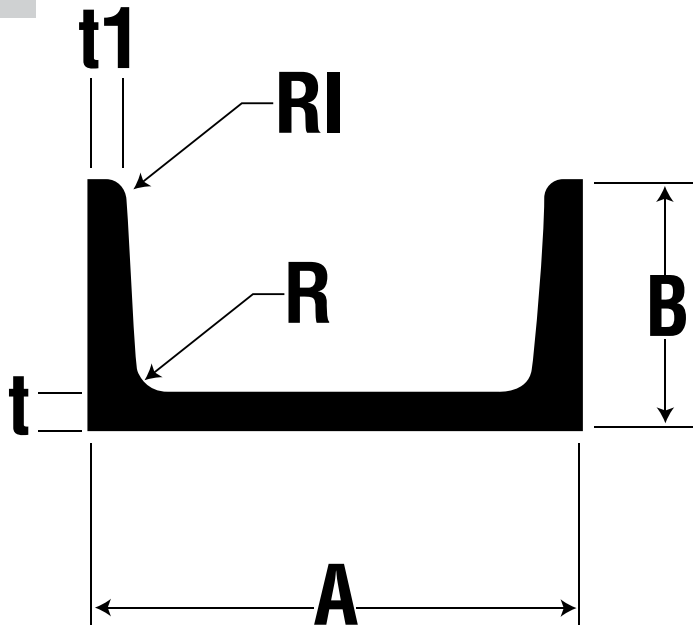
APEX PART #	A	B	t	R	RI	lb / ft	Comments
3178	1.500	1.500	0.250	0.188	0.125	0.809	No Exposed Surface
3179	2.000	2.000	0.125	0.250	0.125	0.577	No Exposed Surface
3180	2.000	2.000	0.188	0.250	0.125	0.850	No Exposed Surface
3181	2.000	2.000	0.250	0.250	0.125	1.110	No Exposed Surface
3182	4.000	4.000	0.250	0.375	0.250	2.283	No Exposed Surface

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Structural Channel (American Standard)



APEX PART #	A	B	t	t1	R	RI	lb/ft	Comments
3250	3.000	1.410	0.170	0.190	0.270	0.100	1.508	Slope 1:6
3251	8.000	2.290	0.250	0.264	0.320	0.130	4.554	Slope 1:6
3408	6.000	1.920	0.200	0.200	0.300	0.120	2.828	Slope 1:6

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9767 201 Street
Langley, BC V1M 3E7 Canada

Tel : 604.882.3542
Fax : 604.882.3517
TF : 1.866.970.5948
info@apexextrusions.ca
apexextrusions.ca