
Standard Shape Catalog

Sapa Extrusions

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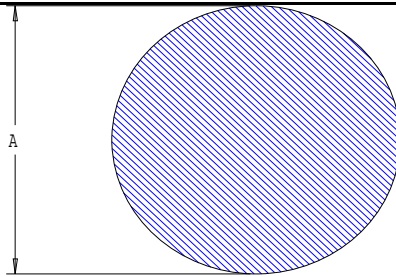
Effective 10/03/2011

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Rod

(Standard Tolerance)



Section 1-1

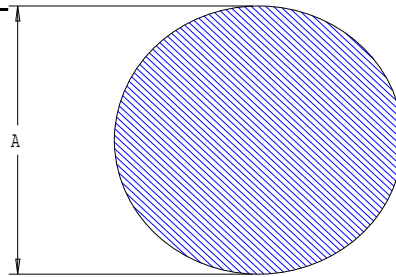
Die Number	A (inches)	Est. Wt./Ft.	Comments
2632	0.250	0.059	
15132	0.313	0.092	
321	0.375	0.132	
12828	0.438	0.180	
1595	0.500	0.236	All Exposed
1837	0.625	0.368	
1915	0.750	0.530	
2633	0.875	0.721	
1864	1.000	0.942	
2993*	1.125	1.193	
1730*	1.250	1.473	
8641*	1.375	1.782	All Exposed
1887*	1.500	2.120	
2603*	1.750	2.886	
2721*	1.875	3.313	
2604*	2.000	3.770	
25467*	2.250	4.771	
31877*	2.375	5.316	
2992*	2.500	5.891	
2722*	2.750	7.128	25' Maximum
1458*	3.000	8.483	20' Maximum
30286*	3.200	9.650	20' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Rod

(Tight Tolerance)



Section 1-2

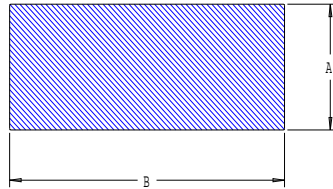
Die Number	A (inches)	Est. Wt./Ft.	Comments
42369	0.375	0.132	O.D. TOL. \pm .004"
14736	0.500	0.235	O.D. TOL. \pm .005"
14737	0.625	0.368	O.D. TOL. \pm .005"
14738	0.750	0.530	O.D. TOL. \pm .005"
42370	0.750	0.530	O.D. TOL. \pm .004"
14739	0.875	0.721	O.D. TOL. \pm .005"
14740	1.000	0.942	O.D. TOL. \pm .005"
14741*	1.125	1.193	O.D. TOL. \pm .006"
14742*	1.250	1.472	O.D. TOL. \pm .006"
14743*	1.375	1.782	O.D. TOL. \pm .006"
14744*	1.500	2.120	O.D. TOL. \pm .006"
14974*	1.625	2.489	O.D. TOL. \pm .006"
14745*	1.750	2.886	O.D. TOL. \pm .006"
14746*	1.875	3.313	O.D. TOL. \pm .006"
38442*	2.000	3.770	O.D. TOL. $+.030"/-0"$
18776*	2.000	3.770	O.D. TOL. \pm .008"
18775*	2.500	5.891	O.D. TOL. \pm .008"
18774*	3.000	8.483	O.D. TOL. \pm .008", 20' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Bar Stock

(Standard)



Section 2-1

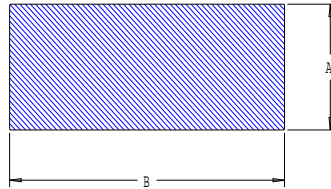
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
6978	0.062	1.250	0.093	
27372	0.063	1.000	0.074	
10059	0.090	4.000	0.432	All Exposed
12827	0.094	4.000	0.451	.015 Vee - Partially Exposed
2358	0.125	0.500	0.075	
2905	0.125	0.625	0.094	
93	0.125	0.750	0.113	
805	0.125	1.000	0.150	
1273	0.125	1.000	0.146	All Exposed
32442	0.125	1.000	0.150	All Exposed
203	0.125	1.250	0.187	
559	0.125	1.500	0.226	
1966	0.125	1.750	0.263	
694	0.125	2.000	0.300	
1967	0.125	2.250	0.338	
5233	0.125	2.500	0.374	
2420	0.125	3.000	0.450	
37981	0.125	3.250	0.488	
4781	0.125	3.688	0.553	
10669	0.125	4.000	0.600	All Exposed
38467	0.125	5.000	0.750	All Exposed
18418	0.125	5.500	0.824	
20051	0.188	0.500	0.113	
1883	0.188	0.750	0.169	
843	0.188	1.000	0.226	
32443	0.188	1.000	0.226	All Exposed
1866	0.188	1.250	0.282	
23920	0.188	1.375	0.309	
865	0.188	1.500	0.338	
1968	0.188	1.750	0.395	
548	0.188	2.000	0.451	
36501	0.188	2.000	0.451	All Exposed
1969	0.188	2.250	0.508	
1118	0.188	2.500	0.564	
549	0.188	3.000	0.677	
17786	0.188	4.000	0.902	

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Extruded Bar Stock

(Standard)



Section 2-1

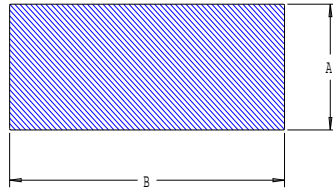
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
25947*	0.188	6.000	1.354	
29391*	0.188	8.000	1.805	
6176	0.250	0.250	0.074	
11848	0.250	0.250	0.074	
1267	0.250	0.500	0.150	
1122	0.250	0.750	0.224	
375	0.250	1.000	0.300	
35736	0.250	1.000	0.300	All Exposed
953	0.250	1.250	0.376	
475	0.250	1.500	0.450	
30203	0.250	1.750	0.524	ID Mark
19	0.250	2.000	0.599	
476	0.250	2.500	0.750	
550	0.250	3.000	0.900	
1847*	0.250	3.500	1.050	
204*	0.250	4.000	1.200	
1806*	0.250	4.500	1.350	
13161*	0.250	5.000	1.500	
3853*	0.250	6.000	1.800	
21360*	0.250	6.625	1.987	
37399*	0.250	8.000	2.400	All Exposed
4304	0.312	1.000	0.374	
37409*	0.313	3.000	1.124	
3293	0.375	0.375	0.169	
1728	0.375	0.500	0.226	
747	0.375	0.750	0.337	
213	0.375	1.000	0.450	
36854	0.375	1.000	0.450	Partially Exposed
8888	0.375	1.250	0.563	
10	0.375	1.500	0.675	
5082	0.375	1.750	0.787	
36853	0.375	1.750	0.787	Partially Exposed
545	0.375	2.000	0.900	
205*	0.375	2.500	1.125	
206*	0.375	3.000	1.350	
6178*	0.375	3.000	1.350	Custom - See Print

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Extruded Bar Stock

(Standard)



Section 2-1

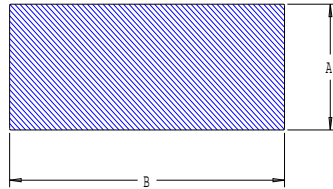
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
25468*	0.375	3.250	1.462	ID Mark
12684*	0.375	3.500	1.574	
15654*	0.375	3.500	1.574	All Exposed
10462*	0.375	3.750	1.687	
954*	0.375	4.000	1.800	
25946*	0.375	5.000	2.250	
282*	0.375	6.000	2.700	
31750*	0.375	8.000	3.600	
841	0.500	0.500	0.300	
1123	0.500	0.750	0.450	
477	0.500	1.000	0.600	
207	0.500	1.250	0.750	
942	0.500	1.500	0.900	
15604*	0.500	1.750	1.050	
839*	0.500	2.000	1.200	
342*	0.500	2.500	1.500	
280*	0.500	3.000	1.800	
22373*	0.500	3.500	2.100	
281*	0.500	4.000	2.400	
3066*	0.500	5.000	3.000	
791*	0.500	6.000	3.600	
6908*	0.500	8.000	4.800	
36718*	0.500	8.000	4.800	Partially Exposed
1550	0.625	0.625	0.469	
14770	0.625	1.000	0.750	
2455	0.625	1.250	0.938	
2456*	0.625	1.500	1.125	
2454*	0.625	2.000	1.500	
341*	0.625	2.500	1.874	
16590*	0.625	3.000	2.250	
897*	0.625	4.000	3.000	
3345*	0.625	4.250	3.187	
3346*	0.625	5.000	3.750	
840	0.750	0.750	0.674	
943	0.750	1.000	0.900	
3851*	0.750	1.250	1.126	

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Extruded Bar Stock

(Standard)



Section 2-1

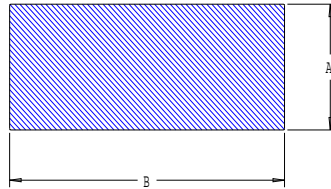
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
209*	0.750	1.500	1.350	
468*	0.750	2.000	1.800	
644*	0.750	2.500	2.250	
944*	0.750	3.000	2.700	
31011*	0.750	3.250	2.924	All Exposed
14941*	0.750	3.500	3.149	
1331*	0.750	4.000	3.600	
14860*	0.750	5.000	4.500	
15466*	0.750	6.000	5.400	
2555*	0.750	7.000	6.300	30' Maximum
749*	1.000	1.000	1.200	
21070*	1.000	1.250	1.500	
37118*	1.000	1.250	1.500	Partially Exposed
1407*	1.000	1.500	1.800	
71*	1.000	1.750	2.100	
793*	1.000	2.000	2.400	
1178*	1.000	2.500	3.000	
837*	1.000	3.000	3.600	
838*	1.000	4.000	4.800	
1242*	1.000	5.000	6.000	30' Maximum
792*	1.000	6.000	7.200	25' Maximum
478*	1.250	1.250	1.876	
30534*	1.250	2.000	3.000	
15131*	1.250	2.500	3.750	
14508*	1.250	3.000	4.500	
15171*	1.250	3.500	5.250	Partially Exposed
22694*	1.250	3.500	5.250	
21949*	1.250	4.000	6.000	30' Maximum
25921*	1.250	5.000	7.500	25' Maximum
842*	1.500	1.500	2.700	
3852*	1.500	2.000	3.600	
3259*	1.500	2.500	4.500	
1857*	1.500	3.000	5.400	
1858*	1.500	4.000	7.200	25' Maximum
1574*	1.750	1.750	3.675	
18255*	1.750	2.000	4.200	

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Extruded Bar Stock

(Standard)



Section 2-1

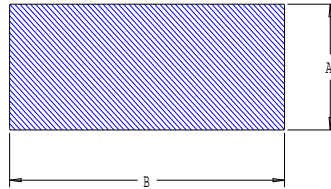
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
1241*	2.000	2.000	4.800	
18701*	2.000	2.500	6.000	30' Maximum
1859*	2.000	3.000	7.200	25' Maximum
19051*	2.000	3.500	8.400	20' Maximum
28836*	2.000	4.000	9.599	20' Maximum
5874*	2.250	2.250	6.075	30' Maximum
2723*	2.500	2.500	7.500	25' Maximum
1177*	2.500	3.000	9.000	20' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

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Extruded Bar Stock

(Radius on Corners)



Section 2-2

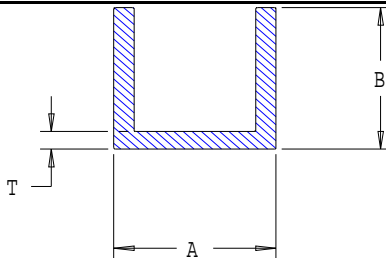
Die Number	A (inches)	B (inches)	Est. Wt./Ft.	Comments
119	0.125	0.750	0.108	All Exposed, Full Radius
8240	0.250	1.750	0.509	Full Radius
361*	0.250	6.000	1.796	.062 Radius
10230	0.375	1.500	0.638	Full Radius
2531*	0.500	3.000	1.796	.063 Radius
16191*	1.500	1.500	2.635	.250 Radius
4872*	1.500	3.000	5.384	.125 Radius
16190*	2.000	2.000	4.639	.250 Radius (2x)/.500 Radius (2x)
4873*	2.000	3.000	7.184	.125 Radius, 25' Maximum

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***Minimum order size is 1000 lbs. on these dies**

Architectural Channel

(Square Corners)



Section 3-1

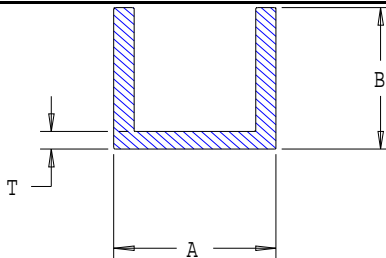
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
2188	0.500	0.375	0.125	0.150	
31344	0.500	0.500	0.094	0.148	
25692	0.500	0.750	0.062	0.139	Partially Exposed, ID Mark
15747	0.500	0.750	0.125	0.263	
25650	0.750	0.500	0.125	0.224	ID Mark
2943	0.750	0.750	0.062	0.158	
992	0.750	0.750	0.125	0.300	
11206	0.750	1.250	0.156	0.550	High ID Mark
38503	0.750	1.250	0.156	0.550	Partially Exposed, High ID Mark
11702	0.875	1.000	0.125	0.394	ID Mark
13569	0.875	1.094	0.094	0.324	ID Mark
12689	0.875	1.250	0.125	0.468	ID Mark
1607	1.000	0.500	0.125	0.263	
346	1.000	1.000	0.125	0.413	
1825	1.250	0.312	0.078	0.161	Partially Exposed
708	1.250	0.500	0.125	0.300	
8449	1.250	0.625	0.125	0.338	Partially Exposed
2302	1.250	0.750	0.062	0.195	
347	1.250	1.250	0.125	0.526	
3872	1.250	1.500	0.125	0.600	
32343	1.375	0.500	0.125	0.318	
211	1.500	0.500	0.125	0.337	
8355	1.500	0.750	0.062	0.214	
28738	1.500	0.750	0.071	0.244	All Exposed
28739	1.500	0.750	0.080	0.272	All Exposed
12104	1.500	0.750	0.080	0.305	Flanges .100 Thick
12342	1.500	0.750	0.125	0.413	
212	1.500	1.000	0.125	0.487	
1409	1.500	1.500	0.125	0.637	
3447*	1.500	1.500	0.250	1.192	.125 Rad. @ Base
13313*	1.500	1.500	0.250	1.199	ID Mark
24320*	1.750	1.500	0.250	1.270	
2678	1.750	2.000	0.095	0.634	+.062/-0 @ 1.750 Dim.
7189	1.750	2.000	0.125	0.824	
345	2.000	0.500	0.125	0.413	
12581	2.000	0.750	0.125	0.487	ID Mark
4238	2.000	1.000	0.062	0.288	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Architectural Channel

(Square Corners)



Section 3-1

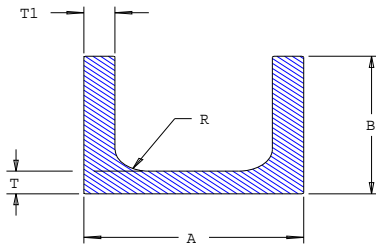
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
348	2.000	1.000	0.125	0.563	
1729*	2.000	1.500	0.250	1.350	
168	2.000	2.000	0.125	0.863	
690*	2.000	2.000	0.250	1.650	
245*	2.000	2.000	1.250	4.435	
24549*	2.000	3.000	0.125	1.163	
18870	2.250	0.875	0.125	0.563	
677*	2.375	1.500	0.188	1.128	
349	2.500	1.500	0.125	0.787	
7819*	2.875	1.500	1.000	4.200	
4494	3.000	0.500	0.070	0.324	
4928	3.000	0.500	0.125	0.563	
1195	3.000	1.000	0.125	0.713	
22	4.000	1.500	0.062	0.508	±.020 on 4.00 Dim, Inside Radius .031
24455*	4.000	2.000	0.125	1.162	ID Mark
12174*	4.000	2.500	0.125	1.312	ID Mark
648*	4.875	1.000	0.188	1.466	
1091*	5.000	2.000	0.188	1.945	
12172*	6.000	2.500	0.125	1.612	ID Mark

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Structural Channel

(Aluminum Association)



Section 3-2

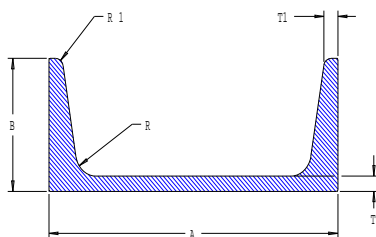
Die Number	A (inches)	B (inches)	T (inches)	T1 (Inches)	R (Inches)	Est. Wt./Ft.	Comments
27621	2.000	1.000	0.130	0.130	0.100	0.588	
540*	2.000	1.250	0.170	0.260	0.150	1.071	
1799*	3.000	1.750	0.170	0.260	0.250	1.628	
534*	4.000	2.000	0.150	0.230	0.250	1.774	
3854*	4.000	2.250	0.190	0.290	0.250	2.377	
4120*	5.000	2.250	0.150	0.260	0.300	2.212	
3958*	6.000	2.500	0.170	0.290	0.300	2.892	
4276*	6.000	3.250	0.210	0.350	0.300	4.111	

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Structural Channel

(American Standard)



Section 3-3

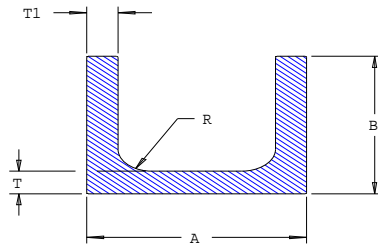
Die Number	A (inches)	B (inches)	T (inches)	T1 (inches)	R (inches)	R1 (inches)	Est. Wt./Ft.	Comments
1461*	3.000	1.410	0.170	0.170	0.270	0.100	1.447	Slope 1:6
384*	3.000	1.498	0.258	0.170	0.270	0.100	1.764	Slope 1:6
2361*	3.000	1.596	0.356	0.170	0.270	0.100	2.117	Slope 1:6
826*	4.000	1.580	0.180	0.180	0.280	0.110	1.884	Slope 1:6/Partial Exposed
354*	4.000	1.647	0.247	0.180	0.280	0.110	2.206	Slope 1:6
320*	4.000	1.720	0.320	0.180	0.280	0.110	2.556	Slope 1:6
1192*	5.000	1.750	0.190	0.190	0.290	0.110	2.363	Slope 1:6
1912*	5.000	1.885	0.325	0.190	0.290	0.110	3.173	Slope 1:6
1408*	5.000	2.032	0.472	0.190	0.290	0.110	4.055	Slope 1:6
5534*	6.000	1.920	0.200	0.200	0.300	0.120	2.884	Slope 1:6
827*	6.000	1.945	0.225	0.200	0.300	0.120	3.064	Slope 1:6
1625*	6.000	2.034	0.314	0.200	0.300	0.200	3.704	Slope 1:6
6579*	8.000	2.290	0.250	0.220	0.320	0.130	4.339	Slope 1:6

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Structural Channel

(Canadian)



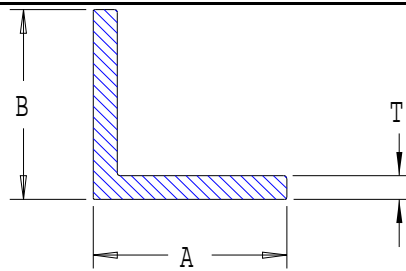
Section 3-4

Die Number	A (inches)	B (inches)	T (inches)	T1 (inches)	R (inches)	Est. Wt./Ft.	Comments
3585	0.500	0.750	0.050	0.050	0.115	0.115	
12342	1.500	0.750	0.125	0.125	0.015	0.413	
27621	2.000	1.000	0.130	0.130	0.100	0.588	
540*	2.000	1.250	0.170	0.260	0.150	1.071	
1663*	2.000	2.000	0.250	0.250	0.156	1.662	
12823*	2.500	1.500	0.188	0.188	0.312	1.067	Custom, See Print
1699*	2.562	1.500	0.500	0.375	0.062	2.435	.062 Radius (6x)
2948*	3.000	1.500	0.130	0.200	0.250	1.158	
1885*	3.000	1.500	0.188	0.250	0.312	1.514	
946*	3.000	1.750	0.170	0.170	0.250	1.289	
1799*	3.000	1.750	0.170	0.260	0.250	1.628	
12906*	3.000	2.000	0.250	0.312	0.188	2.228	
1448*	3.375	0.750	0.312	0.312	0.375	1.664	
2593*	4.000	1.500	0.150	0.175	0.150	1.286	.150 Radius Top Corners
1865*	4.000	1.625	0.187	0.281	0.375	1.939	
534*	4.000	2.000	0.150	0.230	0.250	1.774	
2628*	4.000	2.000	0.188	0.250	0.375	2.062	
3754*	4.000	2.000	0.250	0.250	0.250	2.250	.250 Radius Top Corners
3854*	4.000	2.250	0.190	0.290	0.250	2.377	
11780*	5.000	2.000	0.188	0.312	0.375	2.557	
4120*	5.000	2.250	0.150	0.260	0.300	2.212	
2566*	6.000	2.000	0.281	0.375	0.437	3.668	
3958*	6.000	2.500	0.170	0.290	0.300	2.892	
4276*	6.000	3.250	0.210	0.350	0.300	4.111	
18619*	8.000	3.000	0.281	0.437	0.500	5.677	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Architectural Angle



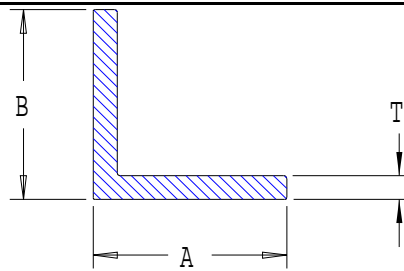
Section 4-1

Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
12927	0.375	0.750	0.094	0.116	
18872	0.375	0.750	0.125	0.150	
532	0.500	0.500	0.125	0.131	
3302	0.500	1.000	0.062	0.107	Partially Exposed
1093	0.500	1.000	0.125	0.206	
1819	0.500	1.250	0.125	0.244	
12175	0.500	2.000	0.125	0.356	
3576	0.625	0.625	0.125	0.169	
34605	0.625	0.625	0.125	0.169	All Exposed
600	0.750	0.750	0.062	0.107	
806	0.750	0.750	0.125	0.206	
24318	0.750	1.000	0.075	0.150	
21888	0.750	1.000	0.125	0.244	
27932	0.750	1.000	0.125	0.244	All Exposed
22390	0.750	1.500	0.125	0.318	
18871	0.750	2.000	0.125	0.394	
369	0.750	3.000	0.125	0.544	
5911	0.750	5.000	0.085	0.577	Partially Exposed
7534	0.875	0.875	0.125	0.242	
3948	1.000	1.000	0.050	0.116	
707	1.000	1.000	0.062	0.144	
691	1.000	1.000	0.125	0.281	
24199	1.000	1.000	0.187	0.407	
844	1.000	1.000	0.250	0.524	
82	1.000	1.500	0.093	0.269	
343	1.000	1.500	0.125	0.355	
3119	1.000	1.750	0.062	0.200	
24194	1.000	1.750	0.080	0.256	
210	1.000	2.000	0.125	0.431	
8511	1.000	2.500	0.125	0.506	
19944	1.000	3.000	0.125	0.581	
21301	1.000	3.000	0.125	0.581	Partially Exposed
2994	1.000	4.000	0.125	0.731	
603	1.250	1.250	0.125	0.356	
1092	1.250	1.250	0.188	0.522	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Architectural Angle



Section 4-1

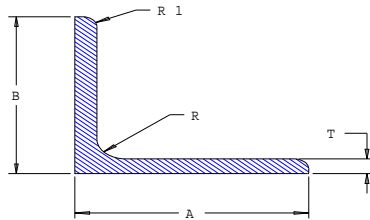
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
10578	1.250	1.500	0.050	0.162	
1163	1.312	1.312	0.062	0.190	Partially Exposed / (2) Vees
4147	1.500	1.500	0.062	0.218	
202	1.500	1.500	0.125	0.431	
36058	1.500	1.500	0.125	0.431	All Exposed
2860	1.500	1.500	0.188	0.635	
852	1.500	1.500	0.250	0.826	
18083*	1.500	1.500	0.375	1.181	
4291	1.500	1.750	0.062	0.238	Partially Exposed
1446	1.500	2.500	0.125	0.581	
12999	1.500	3.000	0.125	0.656	
11866	1.750	1.750	0.125	0.506	All Exposed
1406	1.750	1.750	0.250	0.974	
24160	2.000	2.000	0.060	0.283	
117	2.000	2.000	0.125	0.581	
533	2.000	2.000	0.188	0.860	
850*	2.000	2.000	0.250	1.126	
18084*	2.000	2.000	0.375	1.631	
24548	2.000	3.000	0.125	0.731	
845*	2.000	3.000	0.250	1.425	
714	2.000	4.000	0.125	0.881	
3801*	2.000	7.000	0.125	1.331	
145*	2.250	5.250	0.125	1.106	
15463	2.500	2.500	0.125	0.731	
864*	2.500	2.500	0.250	1.426	
38882*	2.500	3.500	0.250	1.724	
3871	3.000	3.000	0.125	0.881	
846*	3.000	3.000	0.250	1.726	
849*	3.000	4.000	0.250	2.024	
28682*	3.000	4.500	0.250	2.174	Partially Exposed
28022*	3.500	3.500	0.250	2.024	ID Mark
8515*	3.500	3.500	0.312	2.504	
33362*	4.000	4.000	0.125	1.181	Partially Exposed
848*	4.000	4.000	0.250	2.324	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Structural Angle

(American Standard)



Section 4-2

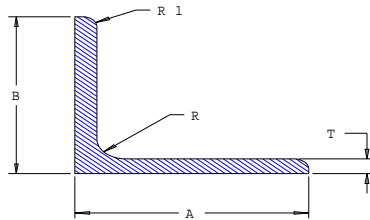
Die Number	A (inches)	B (inches)	T (inches)	R (inches)	R1 (inches)	Est. Wt./Ft.	Comments
6530	0.500	0.750	0.063	0.065	0.033	0.093	
595	0.750	0.750	0.125	0.125	0.094	0.201	
551	1.000	1.000	0.125	0.125	0.094	0.275	
552	1.000	1.000	0.188	0.125	0.094	0.400	
949	1.000	1.000	0.250	0.125	0.094	0.514	
4380	1.000	1.375	0.188	0.188	0.125	0.494	
1353	1.250	1.250	0.125	0.188	0.125	0.343	
596	1.250	1.250	0.188	0.188	0.125	0.510	
1094	1.250	1.250	0.250	0.188	0.125	0.656	
18930	1.250	1.750	0.125	0.188	0.125	0.432	
18868	1.250	1.750	0.188	0.188	0.125	0.635	
407	1.500	1.500	0.125	0.188	0.125	0.423	
36222	1.500	1.500	0.125	0.188	0.125	0.423	All Exposed
344	1.500	1.500	0.188	0.188	0.125	0.619	
11	1.500	1.500	0.250	0.125	0.125	0.821	
274	1.500	2.000	0.188	0.188	0.125	0.731	
794	1.500	2.000	0.250	0.188	0.125	0.956	
1059*	1.500	2.500	0.375	0.250	0.125	1.639	
1088	1.500	3.000	0.188	0.312	0.188	0.980	
1624	1.750	1.750	0.188	0.188	0.125	0.731	
1268	1.750	1.750	0.250	0.188	0.125	0.956	
1124	2.000	2.000	0.125	0.250	0.125	0.577	
20	2.000	2.000	0.188	0.250	0.125	0.850	
21*	2.000	2.000	0.250	0.250	0.125	1.110	
1188*	2.000	2.000	0.375	0.250	0.125	1.606	
2359	2.000	2.500	0.188	0.250	0.125	0.961	
554*	2.000	2.500	0.250	0.250	0.125	1.257	
275*	2.000	3.000	0.188	0.312	0.188	1.071	
276*	2.000	3.000	0.250	0.312	0.188	1.403	
3809*	2.000	3.000	0.312	0.312	0.188	1.730	
1096*	2.000	3.000	0.375	0.312	0.188	2.046	
4358	2.000	4.000	0.125	0.125	0.094	0.881	
6468*	2.000	4.000	0.188	0.312	0.188	1.300	
18931	2.500	2.500	0.125	0.188	0.125	0.732	
941*	2.500	2.500	0.188	0.250	0.125	1.070	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Structural Angle

(American Standard)



Section 4-2

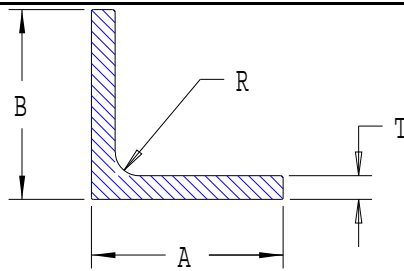
Die Number	A (inches)	B (inches)	T (inches)	R (inches)	R1 (inches)	Est. Wt./Ft.	Comments
272*	2.500	2.500	0.250	0.250	0.125	1.404	
1095*	2.500	2.500	0.375	0.250	0.125	2.047	
277*	2.500	3.000	0.250	0.312	0.250	1.537	
18869*	2.500	3.000	0.375	0.312	0.250	2.299	
1125*	2.500	3.500	0.250	0.312	0.250	1.684	
2627*	2.500	3.500	0.312	0.312	0.010	2.100	
4945	3.000	3.000	0.125	0.250	0.125	0.889	
555*	3.000	3.000	0.188	0.312	0.250	1.275	
553*	3.000	3.000	0.250	0.312	0.250	1.684	
38509*	3.000	3.000	0.313	0.313	0.250	2.125	
273*	3.000	3.000	0.375	0.312	0.250	2.474	
1089*	3.000	3.000	0.500	0.312	0.250	3.227	
1660*	3.000	3.500	0.250	0.375	0.250	1.842	
38178*	3.000	3.500	0.500	0.312	0.250	3.593	All Exposed
106*	3.000	4.000	0.250	0.375	0.250	1.988	
4767*	3.000	4.000	0.312	0.375	0.250	2.459	
825*	3.000	4.000	0.375	0.375	0.250	2.926	
14533*	3.000	5.000	0.250	0.250	0.250	2.309	ID Mark
14534*	3.000	5.000	0.375	0.375	0.375	3.395	ID Mark
30411*	3.500	3.500	0.250	0.250	0.250	2.009	
5680*	3.500	5.000	0.500	0.438	0.312	4.704	
12645*	3.500	6.000	0.312	0.312	0.312	3.415	
950*	4.000	4.000	0.250	0.375	0.250	2.283	
1546*	4.000	4.000	0.375	0.375	0.250	3.366	
1972*	4.000	4.000	0.500	0.375	0.250	4.414	
824*	4.000	6.000	0.375	0.500	0.375	4.237	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Structural Angle

(Canadian)



Section 4-3

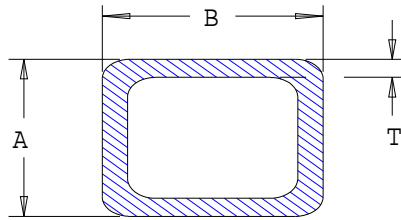
Die Number	A (inches)	B (inches)	T (inches)	R (inches)	Est. Wt./Ft.	Comments
31329	1.000	1.000	0.125	0.125	0.284	
35676	1.500	1.500	0.125	0.125	0.434	
10273	1.500	1.500	0.188	0.188	0.643	
10274	1.500	1.500	0.250	0.250	0.841	
31353	1.500	2.000	0.250	0.250	0.991	
35678	2.000	2.000	0.125	0.125	0.584	
35677	2.000	2.000	0.188	0.188	0.869	
31331*	2.000	2.000	0.250	0.250	1.141	
31332*	2.000	3.000	0.250	0.250	1.441	
2627*	2.500	3.500	0.312	0.312	2.100	
31333*	3.000	3.000	0.250	0.250	1.741	
31334*	3.000	4.000	0.250	0.250	2.041	
27630*	3.500	3.500	0.250	0.250	2.041	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Standard)



Section 5-1

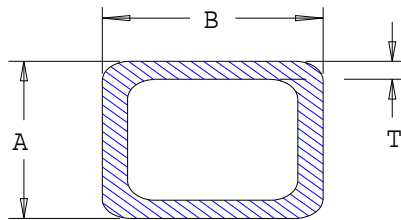
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
5099	0.375	1.500	0.062	0.260	
11359	0.500	0.500	0.065	0.136	
8038	0.625	0.625	0.050	0.138	6063 Only (see 8319), ± .011 on dims.
8319	0.625	0.625	0.050	0.138	± .011 on dims.
43620	0.625	1.500	0.075	0.350	
43457	0.625	1.563	0.050	0.246	All Exposed, ID Mark
4580	0.750	0.750	0.062	0.205	
990	0.750	0.750	0.125	0.375	
5781	0.750	1.500	0.062	0.316	
25255	0.750	1.500	0.125	0.600	
32445	1.000	1.000	0.062	0.280	All Exposed
912	1.000	1.000	0.062	0.280	
40131	1.000	1.000	0.065	0.286	
12822	1.000	1.000	0.095	0.413	
692	1.000	1.000	0.125	0.526	
8614	1.000	1.500	0.095	0.527	
352	1.000	1.500	0.125	0.676	
6057	1.000	2.000	0.062	0.428	
11471	1.000	2.000	0.095	0.641	
44032	1.000	2.000	0.120	0.782	ID Mark
853	1.000	2.000	0.125	0.826	
12270*	1.000	3.000	0.120	1.082	
40238	1.000	3.000	0.125	1.122	All Exposed
16996*	1.000	3.000	0.125	1.126	All Exposed
14414*	1.000	4.000	0.125	1.424	
36396*	1.000	4.000	0.125	1.424	All Exposed
6080*	1.000	6.000	0.125	2.025	
3970	1.250	1.250	0.095	0.527	
43228	1.250	1.250	0.120	0.651	ID Mark
351	1.250	1.250	0.125	0.676	
1750*	1.250	2.500	0.125	1.050	All Exposed
16309*	1.250	3.000	0.125	1.200	
109	1.500	1.500	0.062	0.428	
40379	1.500	1.500	0.062	0.428	All Exposed
13324	1.500	1.500	0.075	0.512	All Exposed

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Standard)



Section 5-1

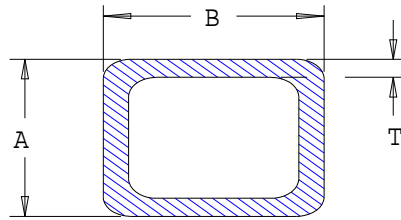
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
28798	1.500	1.500	0.087	0.589	ID Mark
8318	1.500	1.500	0.095	0.641	All Exposed
43393	1.500	1.500	0.120	0.795	
991	1.500	1.500	0.125	0.824	All Exposed
18450*	1.500	1.500	0.188	1.184	
38081*	1.500	1.500	0.250	1.500	
987	1.500	2.000	0.125	0.975	
10114*	1.500	2.500	0.125	1.126	
755	1.500	3.000	0.080	0.833	All Exposed
988*	1.500	3.000	0.125	1.275	
13222*	1.500	6.000	0.125	2.174	ID Mark
16847*	1.500	6.000	0.250	4.200	All Exposed
8174*	1.720	4.500	0.100	1.445	All Exposed
39398	1.750	1.750	0.090	0.718	Walls + .007/- .005
750	1.750	1.750	0.125	0.976	
39604	1.750	1.750	0.090	0.705	
353*	1.750	3.000	0.125	1.350	
2405	1.750	4.000	0.095	1.267	
39646	1.750	4.000	0.095	1.267	Walls + .007/- .005
24602*	1.750	4.000	0.125	1.650	
42299	1.750	4.500	0.090	1.289	
13693*	1.750	4.500	0.125	1.800	All Exposed / ID Mark
12555	2.000	2.000	0.083	0.763	ID Mark
9901	2.000	2.000	0.095	0.869	All Exposed
44125	2.000	2.000	0.097	0.870	All Exposed
30894*	2.000	2.000	0.125	1.126	All Exposed
693*	2.000	2.000	0.125	1.126	
3782*	2.000	2.000	0.188	1.636	
15447*	2.000	2.000	0.250	2.100	
4768*	2.000	2.500	0.125	1.274	
38858*	2.000	3.000	0.095	1.097	All Exposed
255*	2.000	3.000	0.125	1.426	
30979*	2.000	3.000	0.125	1.426	All Exposed
14436*	2.000	3.000	0.250	2.700	ID Mark
42650	2.000	4.000	0.095	1.301	All Exposed

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Standard)



Section 5-1

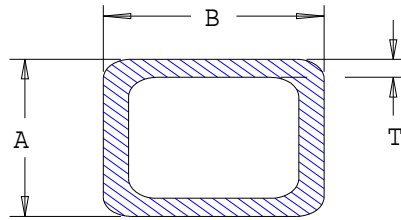
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
40544	2.000	4.000	0.120	1.631	All Exposed
3212*	2.000	4.000	0.125	1.726	
30895*	2.000	4.000	0.125	1.726	All Exposed
26417*	2.000	4.000	0.250	3.300	ID Mark
17037*	2.000	4.000	0.375	4.726	
13694*	2.000	4.500	0.125	1.874	All Exposed / ID Mark
38857*	2.000	5.000	0.095	1.553	All Exposed
7998*	2.000	5.000	0.125	2.025	All Exposed
21530*	2.000	5.000	0.250	3.900	
5490*	2.000	6.000	0.125	2.326	
30896*	2.000	6.000	0.125	2.326	All Exposed
8573*	2.000	6.000	0.188	3.440	All Exposed
14987*	2.000	6.000	0.250	4.500	
28134*	2.000	8.000	0.125	2.924	ID Mark
43717	2.250	2.070	0.090	0.917	All Exposed
7553	2.250	2.250	0.080	0.833	All Exposed
12556*	2.500	2.500	0.095	1.097	ID Mark
1970*	2.500	2.500	0.125	1.425	
27345*	2.500	2.500	0.250	2.700	ID Mark
22578*	2.500	5.500	0.375	6.526	30' Maximum
23509*	2.500	6.000	0.125	2.476	All Exposed
1971*	3.000	3.000	0.125	1.725	
36319*	3.000	3.000	0.125	1.725	All Exposed
14594*	3.000	3.000	0.188	2.537	
37350*	3.000	3.000	0.188	2.537	ID Mark / All Exposed
20325*	3.000	3.000	0.219	2.923	
7742*	3.000	3.000	0.250	3.300	
25283*	3.000	4.000	0.250	3.900	
14415*	3.000	5.000	0.125	2.324	ID Mark
7981*	3.000	6.000	0.125	2.624	
13723*	3.000	6.000	0.190	3.931	
32630*	3.250	3.250	0.125	2.777	.250 walls (2x)
42291	3.500	3.500	0.094	1.501	All Exposed
14935*	4.000	4.000	0.125	2.324	
15465*	4.000	4.000	0.250	4.500	All Exposed

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Standard)



Section 5-1

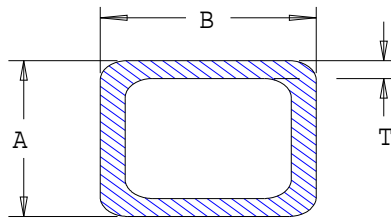
Die Number	A (inches)	B (inches)	T (inches)	Est. Wt./Ft.	Comments
38508*	4.000	4.000	0.375	6.526	30' Maximum
20324*	4.000	4.000	0.500	8.400	20' Maximum
28098*	4.000	6.000	0.125	2.924	ID Mark / All Exposed
18934*	4.000	6.000	0.250	5.700	
28305*	4.000	8.000	0.250	6.900	ID Mark, 30' Maximum
29535*	5.000	5.000	0.250	5.700	
28100*	6.000	6.000	0.188	5.244	ID Mark / All Exposed
28188*	6.000	6.000	0.250	6.900	30' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Radius on Corners)



Section 5-2

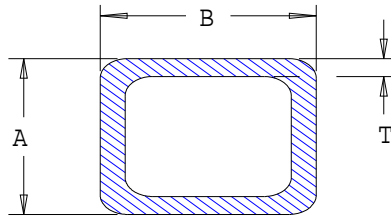
Die Number	A (inches)	B (inches)	T (inches)	Outside Radius	Inside Radius	Est. Wt./Ft.	Comments
9133	0.500	0.500	0.062	0.062	0.010	0.126	
3489	0.500	1.000	0.062	0.062	0.010	0.200	
38898	0.625	1.500	0.050	0.012	0.010	0.242	All Exposed
42948	0.625	1.500	0.050	0.015		0.239	All Exposed
42906	0.625	1.500	0.055	0.015		0.266	
44045	0.626	0.626	0.051	0.016		0.141	All Exposed
2925	0.750	0.750	0.050	0.031	0.031	0.168	
12562	0.750	0.750	0.065	0.094	0.029	0.205	All Exposed
8887	0.750	1.000	0.095	0.031	0.010	0.354	
3449	0.750	1.000	0.125	0.125	0.010	0.434	
2951	0.750	1.500	0.125	0.090	0.090	0.600	
43180	0.750	2.000	0.065	0.031		0.408	
28829	1.000	1.000	0.055	0.125	0.070	0.239	
43639	1.000	1.000	0.055	0.016		0.246	
5704	1.000	1.000	0.062	0.094	0.094	0.279	
29536	1.000	1.000	0.065	0.156	0.091	0.275	
1372	1.000	1.000	0.090	0.060	0.010	0.390	
24198	1.000	1.000	0.110	0.125	0.125	0.469	
12825	1.000	1.000	0.115	0.125	0.125	0.488	
43039	1.000	1.000	0.125	0.250	0.125	0.476	All Exposed
10660	1.000	1.000	0.125	0.250	0.125	0.477	
9152	1.000	1.000	0.125	0.060	0.010	0.522	
14793	1.000	1.000	0.125	0.125	0.125	0.524	
40302	1.000	1.500	0.062	0.124		0.331	
38661	1.000	1.500	0.125	0.125	0.016	0.659	
16440	1.000	2.000	0.062	0.125	0.063	0.416	
17566	1.000	2.000	0.090	0.125	0.031	0.594	ID Mark
36636	1.000	2.000	0.090	0.125	0.031	0.594	ID Mark, All Exposed
12963	1.000	2.000	0.125	0.090	0.090	0.824	
38000*	1.000	2.000	0.188	0.188	0.016	1.145	
7805	1.188	2.188	0.125	0.188	0.188	0.937	
13326	1.250	1.250	0.095	0.250	0.155	0.487	All Exposed
10451	1.250	1.250	0.095	0.188	0.094	0.494	All Exposed
43079	1.250	1.250	0.125	0.250	0.125	0.616	
25232	1.250	1.250	0.125	0.188	0.063	0.642	
43979	1.500	1.500	0.055	0.031		0.375	ID Mark

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Radius on Corners)



Section 5-2

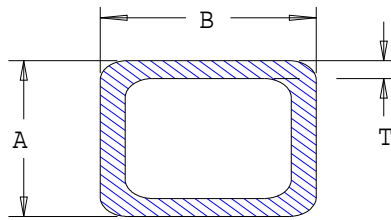
Die Number	A (inches)	B (inches)	T (inches)	Outside Radius	Inside Radius	Est. Wt./Ft.	Comments
44458	1.500	1.500	0.062	0.015	0.031	0.419	All Exposed
38058	1.500	1.500	0.110	0.125	0.016	0.718	All Exposed
30642	1.500	1.500	0.120	0.313	0.193	0.732	All Exposed
10661	1.500	1.500	0.125	0.250	0.125	0.777	All Exposed
3448	1.500	1.500	0.125	0.125	0.010	0.809	
12079	1.500	1.500	0.125	0.125	0.010	0.809	All Exposed
36975	1.500	1.500	0.140	0.250	0.110	0.862	
33321*	1.500	1.500	0.188	0.188	0.016	1.145	
12139*	1.500	2.225	0.180	0.093	0.060	1.517	
13327	1.500	3.000	0.100	0.250	0.150	0.997	All Exposed

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Radius on Corners)



Section 5-2

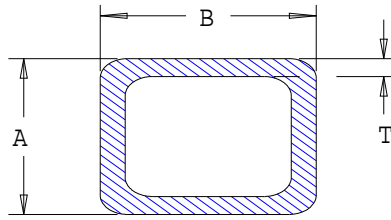
Die Number	A (inches)	B (inches)	T (inches)	Outside Radius	Inside Radius	Est. Wt./Ft.	Comments
28740*	1.500	3.000	0.120	0.125	0.031	1.212	All Exposed
43868	1.760	2.000	0.120	0.375	0.255	0.985	
9153*	2.000	2.000	0.125	0.060	0.010	1.122	All Exposed
42679	2.000	2.000	0.090	0.063	0.031	0.810	
43707	2.000	2.000	0.080	0.079		0.719	All Exposed
43876	2.000	2.000	0.120	0.016		1.083	All Exposed
43460	2.000	2.000	0.125	0.125		1.087	All Exposed, ID Mark
11640*	2.000	2.000	0.125	0.375	0.250	1.044	All Exposed, ID Mark
15884*	2.000	2.000	0.125	0.125	0.015	1.109	All Exposed, ID Mark
24259*	2.000	2.000	0.125	0.125	0.125	1.125	
17622*	2.000	2.000	0.125	0.250	0.125	1.126	
982*	2.000	2.000	0.250	0.125	0.010	2.084	
33302*	2.000	2.000	0.250	0.250	0.125	2.052	All Exposed
27393*	2.000	3.000	0.120	0.250	0.095	1.315	All Exposed, ID Mark
26590*	2.000	3.000	0.125	0.250	0.125	1.376	All Exposed, ID Mark
42796	2.000	3.000	0.188	0.125		2.087	
38224*	2.000	3.000	0.125	0.125	0.031	1.410	
1058*	2.000	3.000	0.250	0.125	0.010	2.636	
33322*	2.000	4.000	0.188	0.188	0.016	2.495	
32253*	2.000	4.000	0.250	0.375	0.125	3.172	
36753*	2.000	6.000	0.125	0.375	0.250	2.244	
42268	2.000	6.000	0.188	0.312		3.355	All Exposed
18504	2.500	2.500	0.079	0.094	0.063	0.913	All Exposed
19137*	2.500	2.500	0.188	0.250	0.062	2.026	ID Mark
19250*	2.500	2.500	0.250	0.250	0.062	2.640	
9378*	2.500	3.500	0.078	0.250	0.500	1.288	All Exposed
13777*	2.500	3.500	0.250	0.125	0.250	3.348	ID Mark
10363*	3.000	3.000	0.120	0.135	0.015	1.640	All Exposed
43139	3.000	3.000	0.125	0.125		1.675	All Exposed
13462*	3.000	3.000	0.188	0.375	0.188	2.429	ID Mark
8213*	3.000	3.000	0.188	0.188	0.010	2.501	All Exposed
25254*	3.000	3.000	0.250	0.375	0.250	3.170	ID Mark
29237*	3.000	4.000	0.125	0.250	0.125	1.976	All Exposed, ID Mark
14886*	3.000	4.000	0.188	0.250	0.062	2.921	All Exposed
42606	3.500	3.500	0.094		0.031	1.507	All Exposed
27747*	3.500	3.500	0.125	0.125	0.125	2.024	ID Mark

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Rectangular & Square Tubing

(Radius on Corners)



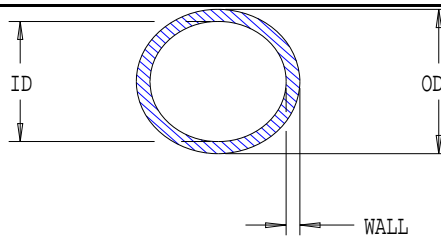
Section 5-2

Die Number	A (inches)	B (inches)	T (inches)	Outside Radius	Inside Radius	Est. Wt./Ft.	Comments
40868	4.000	4.000	0.100	0.015	0.062	1.838	All Exposed
27872*	4.000	4.000	0.125	0.125	0.015	2.309	ID Mark
34177*	4.000	4.000	0.125	0.125	0.015	2.309	All Exposed, ID Mark
13394*	4.000	4.000	0.188	0.188	0.188	3.439	ID Mark
29117*	4.000	4.000	0.250	0.188	0.016	4.464	
16207*	4.000	4.000	0.250	0.500	0.375	4.287	
38499*	4.000	6.000	0.125	0.125	0.016	2.909	
38101*	4.000	6.000	0.250	0.250	0.015	5.636	
3941*	4.500	4.500	0.125	0.062	0.030	2.621	All Exposed
26051*	6.000	6.000	0.250	0.250	0.015	6.836	25' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Tube



Section 6-1

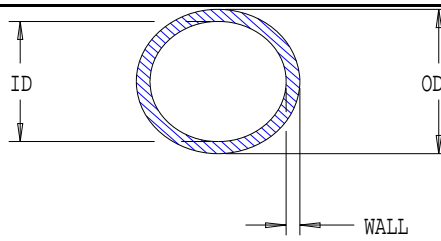
(Note: One Dimension Reference, See Print)

Die Number	O.D. (Inches)	Wall (Inches)	I.D. (Inches)	Est. Wt./Ft.	Comments
24802	0.500	0.055	0.390	0.092	
27910	0.500	0.065	0.370	0.107	No T4 Temper Orders
25956	0.500	0.125	0.250	0.176	
7157	0.625	0.059	0.507	0.126	
2374	0.750	0.065	0.620	0.168	All Exposed
3842	0.750	0.083	0.584	0.209	
8152	0.750	0.125	0.500	0.294	All Exposed
25955	0.750	0.188	0.375	0.397	
6513	0.795	0.085	0.625	0.226	
42314	0.875	0.050	0.775	0.156	All Exposed
15195	0.875	0.058	0.759	0.179	All Exposed
6546	0.875	0.065	0.745	0.199	
7210	0.875	0.083	0.709	0.248	
9693	1.000	0.050	0.900	0.179	All Exposed
1916	1.000	0.062	0.876	0.219	
10620	1.000	0.083	0.834	0.287	
7407	1.000	0.125	0.750	0.412	
9159	1.000	0.157	0.687	0.498	All Exposed
2383	1.125	0.062	1.000	0.252	
39114	1.220	0.125	0.970	0.516	All Exposed
3218	1.250	0.058	1.134	0.261	
1282	1.250	0.065	1.120	0.290	
28799	1.250	0.083	1.084	0.365	
3849	1.250	0.095	1.060	0.414	
8134	1.250	0.125	1.000	0.530	All Exposed
1618	1.315	0.093	1.129	0.428	
3810	1.375	0.065	1.245	0.322	
26878	1.375	0.125	1.125	0.589	
7870	1.500	0.050	1.400	0.274	All Exposed
2121	1.500	0.065	1.370	0.352	
31878	1.500	0.083	1.334	0.443	
42999	1.500	0.083	1.334	0.443	
1194	1.500	0.095	1.310	0.503	
3572	1.500	0.125	1.250	0.648	
25954*	1.500	0.250	1.000	1.178	
3453	1.575	0.125	1.325	0.683	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Tube



Section 6-1

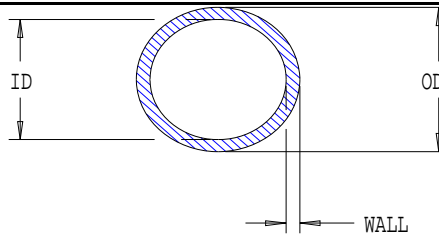
(Note: One Dimension Reference, See Print)

Die Number	O.D. (Inches)	Wall (Inches)	I.D. (Inches)	Est. Wt./Ft.	Comments
7846	1.750	0.065	1.620	0.413	
30223	1.750	0.125	1.500	0.766	
27978*	1.750	0.250	1.250	1.414	
2339	1.765	0.070	1.625	0.438	
12448	1.875	0.057	1.761	0.391	All Exposed
4213	1.890 ± .010	0.139	1.612 +.020/-0	0.918	All Exposed
30245	1.900 ± .018	0.143	1.615 ± .010	0.944	
40828	1.900 + .046	0.145	1.610	0.959	All Exposed
37612	2.000	0.065	1.870	0.474	
1060	2.000	0.078	1.844	0.565	
23933	2.000	0.083	1.834	0.600	
5161	2.000	0.125	1.750	0.883	
2279	2.000	0.125	1.750	0.884	
28154	2.000	0.140	1.720	0.982	
6682*	2.000	0.250	1.500	1.649	
37357	2.000	0.375	1.250	2.297	All Exposed
14695*	2.250	0.125	2.000	1.001	
40736	2.250	0.125	2.000	1.001	All Exposed
6151	2.500	0.070 ± .005	2.360	0.641	
24257	2.500	0.083	2.334	0.756	
2629	2.500 ± .030	0.095 ± .010	2.310	0.862	
14697*	2.500	0.125	2.250	1.120	All Exposed
31682*	2.500	0.250	2.000	2.120	All Exposed
38008*	2.500	0.375	1.750	3.004	
9261	2.750	0.060	2.630	0.608	All Exposed
3691*	2.875	0.218	2.469	2.208	
20354	3.000	0.065	2.870	0.719	
14938*	3.000	0.125	2.750	1.355	All Exposed
15182*	3.000	0.188	2.624	1.993	All Exposed
37583*	3.000	0.250	2.500	2.592	
37584*	3.000	0.375	2.250	3.712	
29667	3.500	0.065	3.370	0.841	
1057*	3.500	0.120	3.260	1.529	
18038*	4.000	0.072	3.856	1.067	
14989*	4.000	0.125	3.750	1.826	
3108*	4.000	0.188	3.624	2.701	
28304*	4.000	0.750	2.500	9.190	20' Maximum
40045	4.125	0.187	3.751	2.776	All Exposed

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Tube



Section 6-1

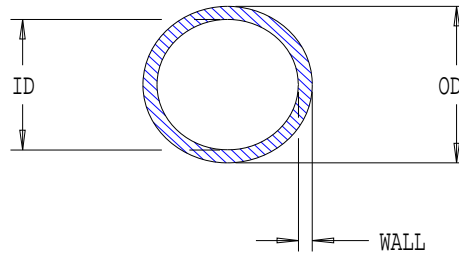
(Note: One Dimension Reference, See Print)

Die Number	O.D. (Inches)	Wall (Inches)	I.D. (Inches)	Est. Wt./Ft.	Comments
14758*	4.250	0.188	3.874	2.879	All Exposed
6115*	5.000	0.250	4.500	4.477	
38479*	5.250	0.375	4.500	6.892	25' Maximum
30486*	6.000	0.125	5.750	2.768	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Pipe



Section 7-1

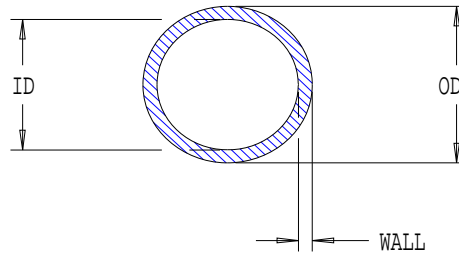
(Note: I.D. Reference)

Die Number	Pipe Size	Sch. No.	O.D. (Inches)	I.D. (Inches)	Wall (Inches)	Est. Wt./Ft.	Comments
42908	3/8"	40	0.673	0.491	0.091	0.291	All Exposed
679	1/2"	40	0.840	0.622	0.109	0.294	
37382	1/2"	40	0.840	0.622	0.109	0.294	All Exposed
96	3/4"	40	1.050	0.824	0.113	0.391	All Exposed
30583	3/4"	80	1.050	0.742	0.154	0.510	
19189	1"	10	1.307	1.089	0.109	0.486	All Exposed
318	1"	40	1.315	1.049	0.133	0.581	All Exposed
945	1"	80	1.315	0.957	0.179	0.751	All Exposed
38859	1 1/4"	10	1.660	1.442	0.109	0.625	All Exposed
319	1 1/4"	40	1.660	1.380	0.140	0.785	
35765	1 1/4"	40	1.660	1.380	0.140	0.785	All Exposed
41550	1 1/4"	40	1.660	1.380	0.140	0.803	All Exposed
20266*	1 1/4"	80	1.652	1.270	0.191	1.037	
10682	1 1/2"	10	1.900	1.682	0.109	0.721	
350	1 1/2"	40	1.900	1.610	0.145	0.940	All Exposed
821*	1 1/2"	80	1.900	1.500	0.200	1.256	
35766*	1 1/2"	80	1.900	1.500	0.200	1.256	All Exposed
2558	2"	10	2.375	2.156	0.109	0.913	
537*	2"	40	2.375	2.067	0.154	1.264	
35768	2"	40	2.375	2.067	0.154	1.264	All Exposed
989*	2"	80	2.375	1.939	0.218	1.737	
35767	2"	80	2.375	1.939	0.218	1.737	All Exposed
1807	2 1/2"	5	2.875	2.709	0.083	0.856	
180*	2 1/2"	40	2.875	2.469	0.203	2.004	
24347*	2 1/2"	40	2.875	2.469	0.203	2.004	
35769*	2 1/2"	40	2.875	2.469	0.203	2.004	All Exposed
13561	2 1/2"	40	2.875	2.469	0.203	2.004	All Exposed
5914*	2 1/2"	80	2.875	2.323	0.276	2.650	
38865*	2 1/2"	80	2.875	2.323	0.276	2.650	All Exposed
22577*	3"	10	3.500	3.260	0.120	1.498	
822*	3"	40	3.500	3.068	0.216	2.621	
33070*	3"	40	3.500	3.068	0.216	2.621	All Exposed
7117*	3"	80	3.500	2.900	0.300	3.547	
911*	3 1/2"	40	4.000	3.548	0.226	3.151	
27731*	3 1/2"	80	4.000	3.364	0.318	4.326	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Extruded Pipe



Section 7-1

(Note: I.D. Reference)

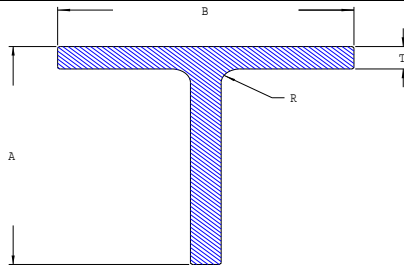
Die Number	Pipe Size	Sch. No.	O.D. (Inches)	I.D. (Inches)	Wall (Inches)	Est. Wt./Ft.	Comments
823*	4"	40	4.500	4.026	0.237	3.733	
40958	4"	40	4.500	4.026	0.237	3.809	All Exposed
19418*	4"	80	4.500	3.826	0.337	5.183	
33047*	4"	80	4.500	3.826	0.337	5.183	All Exposed
1786*	5"	40	5.563	5.047	0.258	5.057	
26293*	5"	80	5.563	4.813	0.375	7.188	All Exposed, 25' Maximum
18613*	6"	40	6.625	6.065	0.280	6.693	30' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Tee

(Standard)



Section 8-1

Die Number	A (inches)	B (inches)	T (inches)	R (inches)	Est. Wt./Ft.	Comments
984	0.875	1.000	0.050	0.010	0.109	
27138	1.500	1.500	0.219	0.188	0.724	
15416	1.500	2.000	0.188	0.188	0.766	
2575	2.000	1.000	0.188	0.188	0.637	
28120	2.000	2.000	0.125	0.125	0.588	All Exposed
37993	2.000	2.000	0.188	0.016	0.859	
11082*	2.000	2.000	0.250	0.250	1.157	
561*	2.000	2.000	0.312	0.250	1.259	Taper, See Print
7493*	2.500	2.000	0.250	0.250	1.307	
27871*	3.000	3.000	0.310	0.188	2.134	
24116*	3.500	2.500	0.250	0.188	1.255	
18865*	3.825	1.900	0.375	0.062	1.374	.125 Center wall, ID Mark
1283*	4.000	3.000	0.188	0.250	1.568	
17129*	4.000	4.000	0.375	0.375	3.503	
27473*	4.000	4.000	0.375	0.500	3.821	
11896*	5.000	4.000	0.500	0.015	5.099	ID Mark

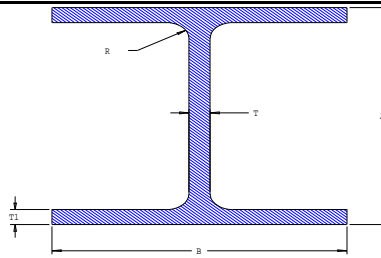
Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

I-Beam, H-Beam

Section 9-1

(Aluminum Association)



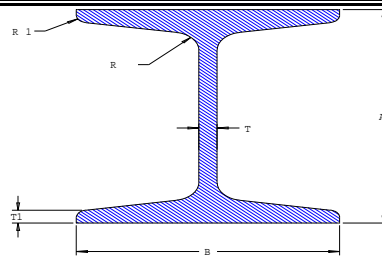
Die Number	A (inches)	B (inches)	T (inches)	T1 (inches)	R (inches)	Est. Wt./Ft.	Comments
2360*	3.000	2.500	0.130	0.200	0.250	1.669	
2216*	4.000	3.000	0.150	0.230	0.250	2.357	
2949*	4.000	3.000	0.170	0.290	0.250	2.850	
2574*	4.000	3.000	0.188	0.250	0.375	2.735	
2950*	6.000	4.000	0.190	0.290	0.300	4.112	
18620*	6.000	6.000	0.312	0.375	0.626	7.769	H - Beam, 25' Maximum

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

I-Beam, H-Beam

(American Standard)



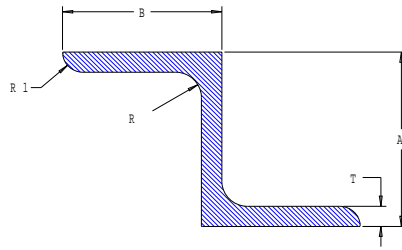
Section 9-2

Die Number	A (inches)	B (inches)	T (inches)	T1 (inches)	R (inches)	R1 (inches)	Est. Wt./Ft.	Comments
828*	3.000	2.330	0.170	0.170	0.270	0.100	2.003	Slope 1:6
7*	4.000	2.660	0.190	0.190	0.290	0.110	2.698	Slope 1:6
2033*	4.000	2.796	0.326	0.190	0.290	0.110	3.350	Slope 1:6
1808*	4.000	4.000	0.313	0.290	0.313	0.145	4.854	Slope 1:11.3, H-Beam
1070*	5.000	3.000	0.210	0.210	0.310	0.130	3.499	Slope 1:6
3789*	6.000	3.330	0.230	0.230	0.330	0.140	4.390	Slope 1:6

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**

Zee



Section 10-1

Die Number	A (inches)	B (inches)	T (inches)	R (inches)	R1 (inches)	Est. Wt./Ft.	Comments
390*	1.750	1.750	0.188	0.188	0.125	1.109	
14718*	3.000	2.687	0.250	0.312	0.250	2.380	ID Mark
24256*	3.000	2.687	0.250	0.312	0.250	2.380	

Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

***Minimum order size is 1000 lbs. on these dies**