
Standard Shape Catalog

Sapa Profiles, Inc.

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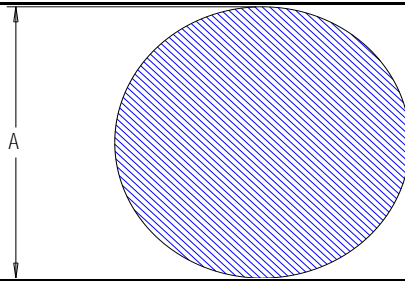
Effective 7/28/2009

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

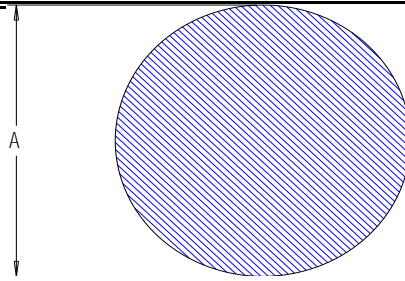
| Die Number | A (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|--------------|-------------|
| 2632 | 0.250 | 0.059 | |
| 15132 | 0.313 | 0.092 | |
| 321 | 0.375 | 0.132 | |
| 12828 | 0.438 | 0.180 | |
| 1595 | 0.500 | 0.236 | All Exposed |
| 1837 | 0.625 | 0.368 | |
| 1915 | 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

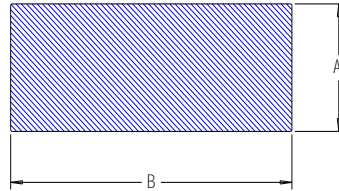
| Die Number | A (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|--------------|-------------------------------------|
| 14736 | 0.500 | 0.235 | O.D. TOL. $\pm .005$ " |
| 14737 | 0.625 | 0.368 | O.D. TOL. $\pm .005$ " |
| 14738 | 0.750 | 0.530 | O.D. TOL. $\pm .005$ " |
| 14739 | 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

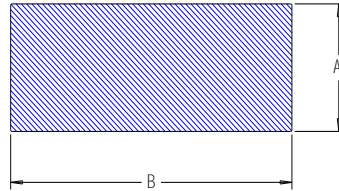
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|--------------|------------------------------|
| 6978 | 0.062 | 1.250 | 0.093 | |
| 27372 | 0.063 | 1.000 | 0.074 | |
| 10059 | 0.090 | 4.000 | 0.432 | All Exposed |
| 12827 | 0.094 | 4.000 | 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 | |
| 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 | |
| 32883* | 0.125 | 7.500 | 1.124 | Partially Exposed |
| 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

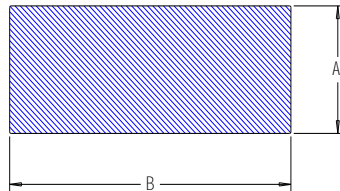
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|--------------|-------------------|
| 25947* | 0.188 | 6.000 | 1.354 | |
| 29391* | 0.188 | 8.000 | 1.805 | |
| 3838 | 0.190 | 3.750 | 0.854 | All Exposed |
| 6176 | 0.250 | 0.250 | 0.074 | |
| 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 | |
| 15761* | 0.250 | 4.250 | 1.274 | |
| 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 | |
| 25282 | 0.375 | 0.875 | 0.394 | |
| 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 | |

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Extruded Bar Stock

(Standard)



Section 2-1

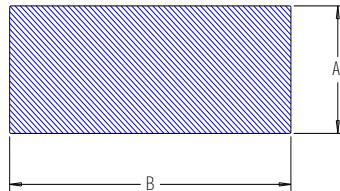
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|--------------|--------------------|
| 205* | 0.375 | 2.500 | 1.125 | |
| 206* | 0.375 | 3.000 | 1.350 | |
| 6178* | 0.375 | 3.000 | 1.350 | Custom - See Print |
| 25468* | 0.375 | 3.250 | 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 | |
| 25202* | 0.500 | 7.500 | 4.499 | ID Mark |
| 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 | |

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

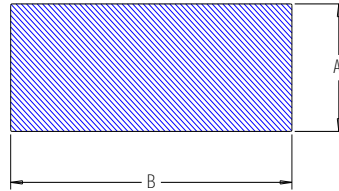
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|------------|---------------|---------------|--------------|-------------------|
| 3346* | 0.625 | 5.000 | 3.750 | |
| 840 | 0.750 | 0.750 | 0.674 | |
| 943 | 0.750 | 1.000 | 0.900 | |
| 3851* | 0.750 | 1.250 | 1.126 | |
| 209* | 0.750 | 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 | |

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Extruded Bar Stock

(Standard)



Section 2-1

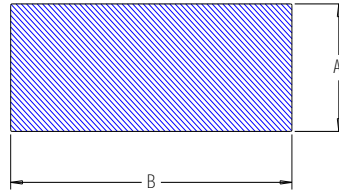
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|------------|---------------|---------------|--------------|-------------|
| 1857* | 1.500 | 3.000 | 5.400 | |
| 1858* | 1.500 | 4.000 | 7.200 | 25' Maximum |
| 1574* | 1.750 | 1.750 | 3.675 | |
| 18255* | 1.750 | 2.000 | 4.200 | |
| 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"

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

Extruded Bar Stock

(Radius on Corners)



Section 2-2

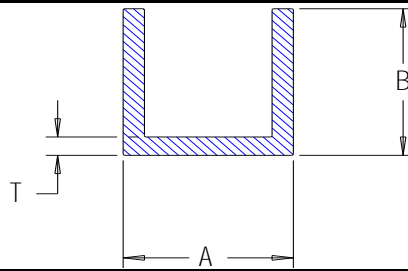
| Die Number | A (inches) | B (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|--------------|-----------------------------------|
| 119 | 0.125 | 0.750 | 0.108 | All Exposed, Full Radius |
| 8240 | 0.250 | 1.750 | 0.509 | Full Radius |
| 361* | 0.250 | 6.000 | 1.796 | .062 Radius |
| 10230 | 0.375 | 1.500 | 0.638 | Full Radius |
| 4579 | 0.500 | 1.250 | 0.742 | .090 Radius |
| 2531* | 0.500 | 3.000 | 1.796 | .063 Radius |
| 12190* | 0.750 | 3.000 | 2.636 | .250 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 |

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

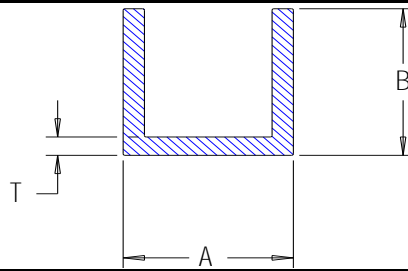
| Die Number | A (inches) | B (inches) | T (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|-----------------|---------------------------------|
| 2188 | 0.500 | 0.375 | 0.125 | 0.150 | |
| 31344 | 0.500 | 0.500 | 0.094 | 0.148 | |
| 25692 | 0.500 | 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 | +0.062/-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 |

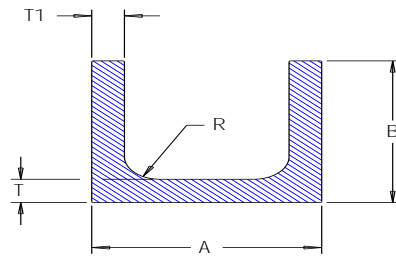
Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

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

Structural Channel

Section 3-2

(Aluminum Association)



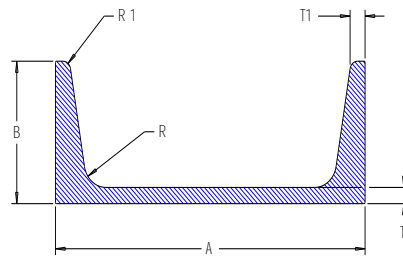
| Die Number | A (inches) | B (inches) | T (inches) | T1 (Inches) | R (Inches) | Est. Wt./Ft. | Comments |
|--------------|---------------|---------------|---------------|----------------|---------------|-----------------|----------|
| 27621 | 2.000 | 1.000 | 0.130 | 0.130 | 0.100 | 0.588 | |
| 540* | 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 | |

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

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

Structural Channel

(American Standard)



Section 3-3

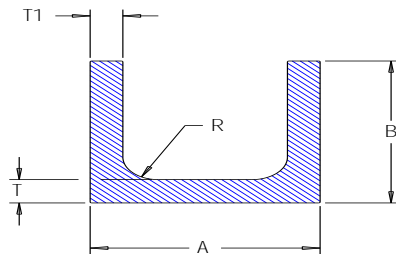
| Die Number | A (inches) | B (inches) | T (inches) | T1 (inches) | R (inches) | R1 (inches) | Est. Wt./Ft. | Comments |
|------------|---------------|---------------|---------------|----------------|---------------|----------------|-----------------|---------------------------|
| 1461* | 3.000 | 1.410 | 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)



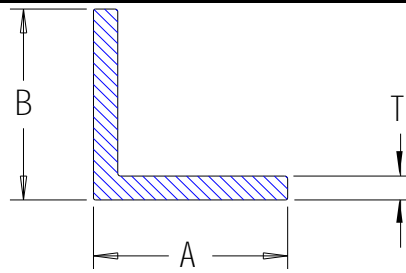
Section 3-4

| 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



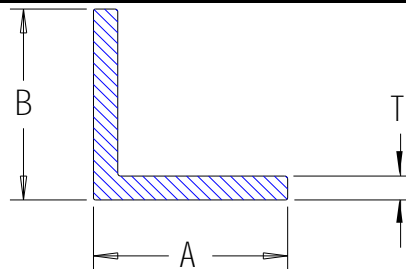
Section 4-1

| 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 | |
| 10578 | 1.250 | 1.500 | 0.050 | 0.162 | |

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

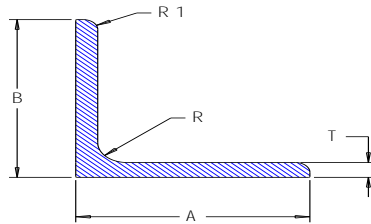
| Die Number | A (inches) | B (inches) | T (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|-----------------|------------------------------|
| 1163 | 1.312 | 1.312 | 0.062 | 0.190 | Partially Exposed / (2) Vees |
| 4147 | 1.500 | 1.500 | 0.062 | 0.218 | |
| 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

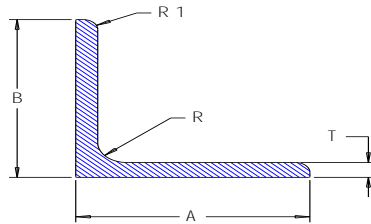
| Die Number | A (inches) | B (inches) | T (inches) | R (inches) | R1 (inches) | Est. Wt./Ft. | Comments |
|--------------|---------------|---------------|---------------|---------------|----------------|-----------------|-------------|
| 6530 | 0.500 | 0.750 | 0.063 | 0.065 | 0.033 | 0.093 | |
| 595 | 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 | |
| 272* | 2.500 | 2.500 | 0.250 | 0.250 | 0.125 | 1.404 | |

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

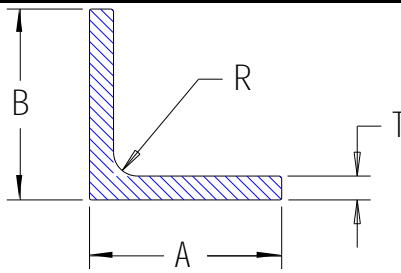
| Die Number | A (inches) | B (inches) | T (inches) | R (inches) | R1 (inches) | Est. Wt./Ft. | Comments |
|------------|---------------|---------------|---------------|---------------|----------------|-----------------|-------------|
| 1095* | 2.500 | 2.500 | 0.375 | 0.250 | 0.125 | 2.047 | |
| 277* | 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

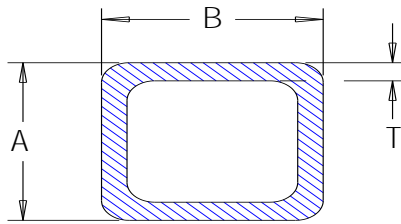
| Die Number | A (inches) | B (inches) | T (inches) | R (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|---------------|-----------------|----------|
| 31329 | 1.000 | 1.000 | 0.125 | 0.125 | 0.284 | |
| 35676 | 1.500 | 1.500 | 0.125 | 0.125 | 0.434 | |
| 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

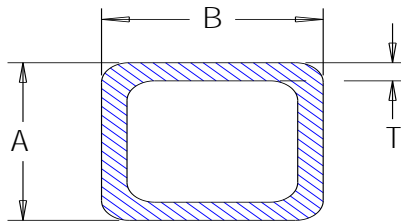
| Die Number | A (inches) | B (inches) | T (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|-----------------|---|
| 5099 | 0.375 | 1.500 | 0.062 | 0.260 | |
| 11359 | 0.500 | 0.500 | 0.065 | 0.136 | |
| 8038 | 0.625 | 0.625 | 0.050 | 0.138 | 6063 Only (see 8319), $\pm .011$ on dims. |
| 8319 | 0.625 | 0.625 | 0.050 | 0.138 | $\pm .011$ on dims. |
| 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 | |
| 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 | |
| 853 | 1.000 | 2.000 | 0.125 | 0.826 | |
| 12270* | 1.000 | 3.000 | 0.120 | 1.082 | |
| 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 | |
| 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 | |
| 13324 | 1.500 | 1.500 | 0.075 | 0.512 | All Exposed |
| 28798 | 1.500 | 1.500 | 0.087 | 0.589 | ID Mark |
| 8318 | 1.500 | 1.500 | 0.095 | 0.641 | All Exposed |
| 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 | |
| 5017 | 1.500 | 2.750 | 0.070 | 0.667 | |

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

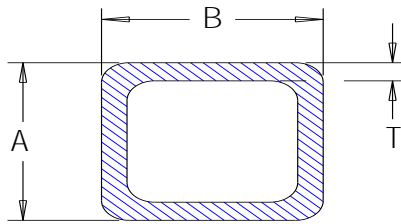
| Die Number | A (inches) | B (inches) | T (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|-----------------|-----------------------|
| 755 | 1.500 | 3.000 | 0.080 | 0.833 | All Exposed |
| 988* | 1.500 | 3.000 | 0.125 | 1.275 | |
| 13222* | 1.500 | 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 |
| 750 | 1.750 | 1.750 | 0.125 | 0.976 | |
| 33301 | 1.750 | 1.750 | 0.125 | 0.976 | All Exposed |
| 353* | 1.750 | 3.000 | 0.125 | 1.350 | |
| 24602* | 1.750 | 4.000 | 0.125 | 1.650 | |
| 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 |
| 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 |
| 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 |
| 12824 | 2.250 | 2.250 | 0.080 | 0.833 | All Exposed |
| 12556* | 2.500 | 2.500 | 0.095 | 1.097 | 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

(Standard)



Section 5-1

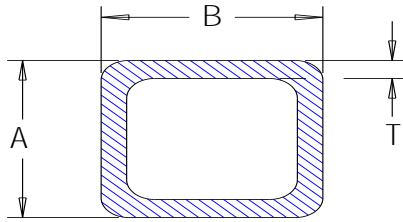
| Die Number | A (inches) | B (inches) | T (inches) | Est. Wt./Ft. | Comments |
|------------|---------------|---------------|---------------|-----------------|-----------------------|
| 1970* | 2.500 | 2.500 | 0.125 | 1.425 | |
| 27345* | 2.500 | 2.500 | 0.250 | 2.700 | ID Mark |
| 22578* | 2.500 | 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 | |
| 14720* | 3.000 | 6.500 | 0.125 | 2.774 | ID Mark |
| 32630* | 3.250 | 3.250 | 0.125 | 2.777 | .250 walls (2x) |
| 14935* | 4.000 | 4.000 | 0.125 | 2.324 | |
| 15465* | 4.000 | 4.000 | 0.250 | 4.500 | All Exposed |
| 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

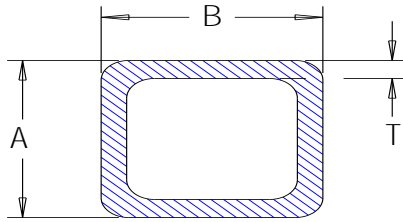
| Die Number | A (inches) | B (inches) | T (inches) | Outside Radius | Inside Radius | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|-------------------|------------------|-----------------|----------------------|
| 9133 | 0.500 | 0.500 | 0.062 | 0.062 | 0.010 | 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 |
| 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 | |
| 28829 | 1.000 | 1.000 | 0.055 | 0.125 | 0.070 | 0.239 | |
| 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 | |
| 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 | |
| 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 |
| 25232 | 1.250 | 1.250 | 0.125 | 0.188 | 0.063 | 0.642 | |
| 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)



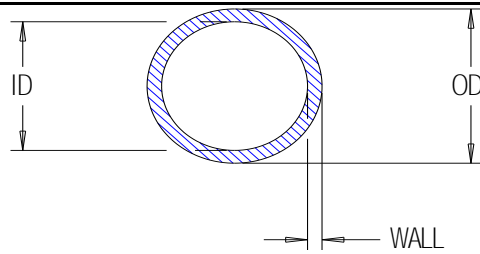
Section 5-2

| 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 |
| 9153* | 2.000 | 2.000 | 0.125 | 0.060 | 0.010 | 1.122 | All Exposed |
| 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 | |
| 26130* | 2.000 | 2.000 | 0.188 | 0.200 | 0.062 | 1.594 | All Exposed, ID Mark |
| 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 |
| 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 | |
| 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 |
| 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 |
| 27747* | 3.500 | 3.500 | 0.125 | 0.125 | 0.125 | 2.024 | ID Mark |
| 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

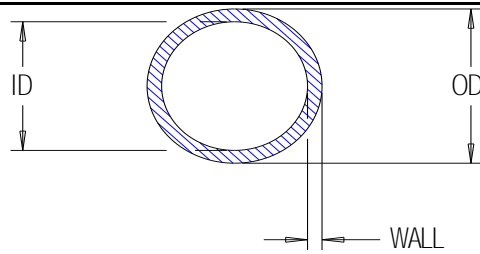
(Note: One Dimension Reference, See Print)

| 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 | |
| 15195 | 0.875 | 0.058 | 0.759 | 0.179 | All Exposed |
| 6546 | 0.875 | 0.065 | 0.745 | 0.199 | |
| 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 |
| 25886 | 1.246 | 0.118 | 1.010 | 0.502 | ID +.010/-0, 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 |
| 13543 | 1.275 | 0.108 | 1.060 | 0.473 | |
| 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 | |
| 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 | |
| 672 | 1.640 | 0.070 +.009/-0.003 | 1.500 | 0.414 | Bump On I.D., .010 x 90° |

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

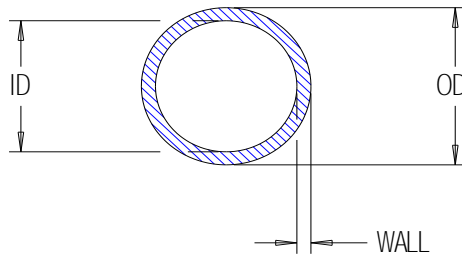
(Note: One Dimension Reference, See Print)

| 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 | |
| 9090 | 1.750 | 0.156 | 1.438 | 0.937 | |
| 27978* | 1.750 | 0.250 | 1.250 | 1.414 | |
| 2339 | 1.765 | 0.070 | 1.625 | 0.438 | |
| 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 | |
| 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 | |
| 14695* | 2.250 | 0.125 | 2.000 | 1.001 | |
| 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 |
| 14758* | 4.250 | 0.188 | 3.874 | 2.879 | All Exposed |
| 20929* | 4.500 | 0.316 | 3.868 | 4.985 | |
| 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

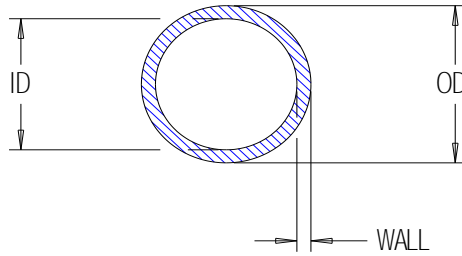
(Note: I.D. Reference)

| Die Number | Pipe Size | Sch. No. | O.D. (Inches) | I.D. (Inches) | Wall (Inches) | Est. Wt./Ft. | Comments |
|---------------|-----------|----------|---------------|---------------|---------------|--------------|--------------------------|
| 678 | 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 |
| 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 |
| 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 |
| 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 | |
| 823* | 4" | 40 | 4.500 | 4.026 | 0.237 | 3.733 | |
| 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 |

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)

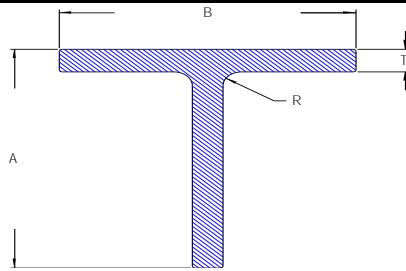
| Die Number | Pipe Size | Sch. No. | O.D. (Inches) | I.D. (Inches) | Wall (Inches) | Est. Wt./Ft. | Comments |
|------------|-----------|----------|---------------|---------------|---------------|--------------|-------------|
| 18613* | 6" | 40 | 6.625 | 6.065 | 0.280 | 6.693 | 30' Maximum |

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 |

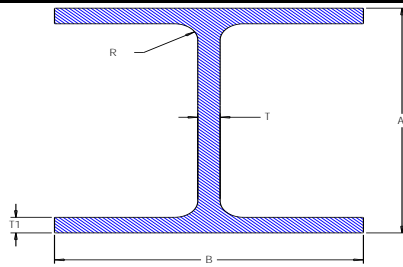
Except as noted, all radii .016" and all shapes are "No Exposed Surfaces"

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

I-Beam, H-Beam

Section 9-1

(Aluminum Association)



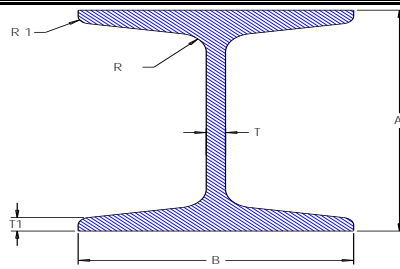
| Die Number | A (inches) | B (inches) | T (inches) | T1 (inches) | R (inches) | Est. Wt./Ft. | Comments |
|---------------|---------------|---------------|---------------|----------------|---------------|-----------------|-----------------------|
| 2360* | 3.000 | 2.500 | 0.130 | 0.200 | 0.250 | 1.669 | |
| 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)



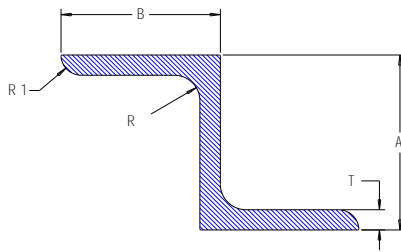
Section 9-2

| 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**