



TDA Standard Shape Catalog

TDA

A Division of Sapa, Inc.

Address: 9124 SE 64th Ave.

Portland, Oregon 97206

Toll Free (800) 547-0790 Telephone (503) 775-6791 Fax (503) 775-1614

Website www.sapagroup.com/us/profiles

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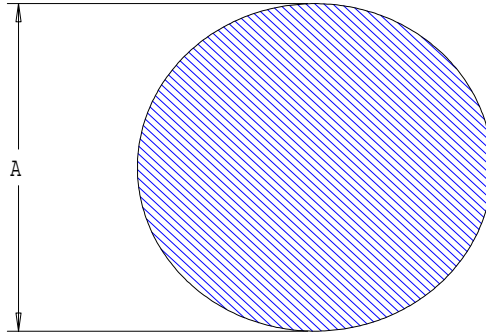
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Unless Noted, all Shapes are "No Exposed Surfaces"

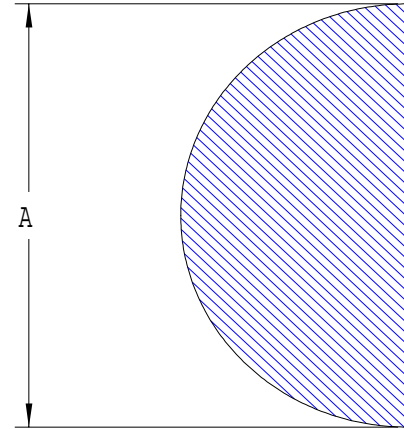
**ROD
EXTRUSION**



| DIE NUMBER | A INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|-----------------------|---------------------|-----------------------------|--------------|-----------------|
| 2237 | 0.102 | 0.010 | 1100 | |
| 1250 | 0.174 | 0.029 | 6061 | |
| 7584 | 0.177 | 0.030 | 6061 | |
| 7475 | 0.188 | 0.034 | 6063 | |
| 2575 | 0.250 | 0.059 | 6061 | |
| 3995 | 0.250 | 0.059 | 2024 | |
| 1251 | 0.296 | 0.083 | 6061 | |
| 1252 | 0.338 | 0.108 | 6061 | |
| 3993 | 0.375 | 0.132 | 6061 10% | |
| 1249 | 0.513 | 0.248 | 6061 | |
| 7961 | 0.620 | 0.362 | COMPOSITE | |
| 5619 | 0.625 | 0.368 | 6092 17.5% | |
| 7824 | 0.700 | 0.462 | COMPOSITE | |
| 2234 | 0.725 | 0.495 | 2124 | |
| 8118 | 0.750 | 0.530 | COMPOSITE | |
| 8144 | 0.750 | 0.530 | COMPOSITE | |

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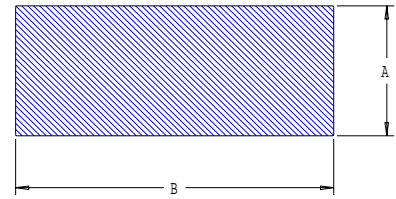
Half Rods



| DIE NUMBER | A INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|-------------------|-----------------|-------------------------|--------------|-----------------|
| 2171 | 0.169 | 0.068 | 6061 | |
| 2282 | 0.250 | 0.151 | 2024 | |
| 6287 | 0.197 | 0.084 | 6061 | |
| 7476 | 0.380 | 0.098 | 6061 | |

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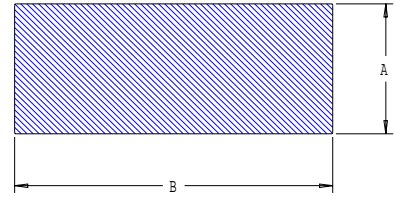
RECTANGULAR & SQUARE BAR



| DIE NUMBER | A INCHES | B INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|------------|----------|----------|------------------|-------------|---------------------|
| 4656 | 0.060 | 1.000 | 0.072 | COMPOSITE | |
| 7348 | 0.062 | 3.150 | 0.234 | 6063 | |
| 6880 | 0.063 | 0.750 | 0.056 | 6063 | |
| 7651 | 0.070 | 0.500 | 0.041 | 6061 | FULL R AT BOTH ENDS |
| 6037 | 0.080 | 0.250 | 0.024 | 6063 | |
| 2335 | 0.080 | 0.700 | 0.066 | 2024 | FULL R AT BOTH ENDS |
| 2928 | 0.080 | 1.180 | 0.112 | 7075 | FULL R AT BOTH ENDS |
| 7515 | 0.086 | 0.299 | 0.031 | 6061 | |
| 3446 | 0.090 | 0.500 | 0.052 | 2024 | FULL R AT BOTH ENDS |
| 8058 | 0.090 | 0.500 | 0.052 | 6061 | FULL R AT BOTH ENDS |
| 3739 | 0.090 | 0.625 | 0.066 | 2024 | |
| 3161 | 0.098 | 0.180 | 0.021 | 6061 | |
| 3796 | 0.100 | 0.150 | 0.018 | 2024 | |
| 5318 | 0.118 | 1.180 | 0.167 | 2024 | |
| 3245 | 0.120 | 0.665 | 0.096 | 6061 | |
| 3942 | 0.125 | 0.250 | 0.037 | 6063 | |
| 7289 | 0.125 | 0.438 | 0.066 | 6063 | |
| 6672 | 0.125 | 0.750 | 0.113 | 2024 | |
| 2899 | 0.125 | 1.250 | 0.184 | 2024 | FULL R AT BOTH ENDS |
| 790 | 0.129 | 0.264 | 0.038 | 6063 | .045 R (TYP) |
| 749 | 0.187 | 0.250 | 0.056 | 7075 | |
| 2029 | 0.188 | 0.625 | 0.137 | 2024 | .062 R (TYP) |
| 2151 | 0.188 | 1.250 | 0.273 | 2024 | |
| 5592 | 0.188 | 1.750 | 0.395 | 7075 | |
| 4849 | 0.190 | 0.540 | 0.120 | 2024 | |
| 4947 | 0.200 | 1.000 | 0.240 | 6063 | |
| 7392 | 0.210 | 0.188 | 0.047 | 6061 | |
| 3508 | 0.250 | 0.250 | 0.074 | 6063 | |
| 1826 | 0.250 | 0.750 | 0.216 | 2024 | .094 R (TYP) |
| 4109 | 0.313 | 0.313 | 0.117 | 6061 | |
| 3532 | 0.325 | 1.300 | 0.491 | ? | .125 R (TYP) |
| 7823 | 0.350 | 1.150 | 0.482 | COMPOSITE | |
| 1246 | 0.375 | 0.375 | 0.169 | 6061 | |
| 4203 | 0.375 | 0.750 | 0.337 | 7005 / 6061 | |
| 4845 | 0.375 | 0.900 | 0.368 | 6061 | FULL R AT BOTH ENDS |
| 7001 | 0.438 | 2.000 | 1.056 | 6063 | |
| 3 | 0.482 | 1.641 | 0.934 | 6061 | .125 R (TYP) |
| 5026 | 0.500 | 1.055 | 0.631 | 6061 | CHAMFER ON CORNERS |
| 4844 | 0.500 | 1.250 | 0.685 | 6061 | FULL R AT BOTH ENDS |

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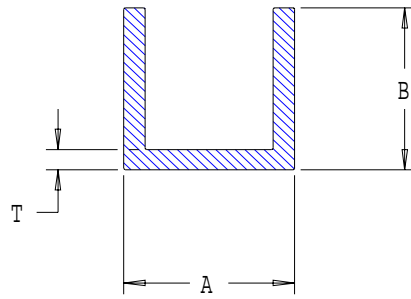
RECTANGULAR & SQUARE BAR



| DIE NUMBER | A INCHES | B INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|------------|----------|----------|------------------|-----------|---------------------|
| 4843 | 0.500 | 1.500 | 0.835 | 6061 | FULL R AT BOTH ENDS |
| 158 | 0.612 | 1.773 | 1.282 | 6061 | .140 R (TYP) |
| 2248 | 0.623 | 1.000 | 0.748 | 6061 | |
| 4444 | 0.625 | 0.625 | 0.468 | COMPOSITE | |
| 833 | 0.769 | 2.245 | 2.043 | 6061 | .170 R (TYP) |
| 3258 | 0.769 | 2.245 | 2.043 | 6061 | .170 R (TYP) |
| 7859 | 0.866 | 2.000 | 2.078 | COMPOSITE | |
| 601 | 1.768 | 0.529 | 1.110 | 6061 | .110 R (TYP) |

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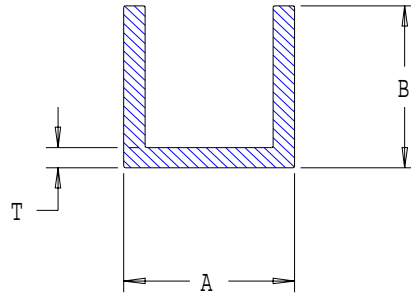
CHANNEL



| DIE NO. | A INCHES | B INCHES | T INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|------------------|-------|--------------|
| 1151 | 0.290 | 0.280 | 0.040 | 0.037 | 6061 | |
| 295 | 0.312 | 0.750 | 0.060 | 0.067 | 6061 | |
| 8146 | 0.375 | 0.340 | 0.063 | 0.070 | 6063 | |
| 3379 | 0.375 | 0.375 | 0.109 | 0.119 | 6061 | |
| 8361 | 0.380 | 0.500 | 0.060 | 0.091 | 6061 | |
| 7643 | 0.455 | 0.880 | 0.050 | 0.118 | 6061 | |
| 5727 | 0.500 | 0.238 | 0.044 | 0.067 | 6061 | |
| 7521 | 0.500 | 0.375 | 0.062 | 0.084 | 6061 | |
| 2202 | 0.500 | 0.500 | 0.094 | 0.148 | 6061 | |
| 7047 | 0.500 | 0.750 | 0.120 | 0.253 | 6061 | |
| 7439 | 0.500 | 0.750 | 0.125 | 0.263 | 6061 | |
| 7522 | 0.562 | 0.750 | 0.125 | 0.271 | 6061 | |
| 3308 | 0.600 | 0.600 | 0.080 | 0.157 | 7075 | |
| 2570 | 0.600 | 0.800 | 0.045 | 0.114 | 6061 | .030 R (TYP) |
| 1995 | 0.625 | 0.438 | 0.094 | 0.146 | ? | |
| 3324 | 0.625 | 0.750 | 0.062 | 0.149 | 2024 | |
| 5910 | 0.625 | 0.750 | 0.062 | 0.149 | 2024 | |
| 2024 | 0.646 | 0.200 | 0.063 | 0.069 | 7075 | |
| 2659 | 0.650 | 0.200 | 0.063 | 0.070 | 6061 | .031 R (TYP) |
| 5148 | 0.690 | 0.250 | 0.063 | 0.090 | 6061 | |
| 4800 | 0.700 | 0.320 | 0.060 | 0.115 | 6061 | |
| 3306 | 0.750 | 0.375 | 0.125 | 0.187 | 6063 | |
| 8354 | 0.750 | 0.375 | 0.125 | 0.187 | 6061 | |
| 6676 | 0.750 | 0.750 | 0.125 | 0.300 | 6061 | |
| 3144 | 0.760 | 0.600 | 0.080 | 0.173 | 7075 | |
| 2648 | 0.766 | 0.120 | 0.063 | 0.067 | 2024 | |
| 2517 | 0.787 | 0.551 | 0.079 | 0.164 | 6061 | |
| 2231 | 0.812 | 0.750 | 0.125 | 0.309 | ? | |
| 3164 | 0.815 | 0.280 | 0.062 | 0.094 | 6063 | |
| 105 | 0.872 | 0.238 | 0.044 | 0.067 | 6061 | |
| 4414 | 0.875 | 0.375 | 0.125 | 0.206 | 6061 | |
| 5045 | 0.894 | 0.624 | 0.062 | 0.150 | 7075 | |
| 6634 | 0.937 | 0.550 | 0.050 | 0.116 | 6061 | |
| 2299 | 1.000 | 0.375 | 0.125 | 0.224 | 6063 | |
| 5967 | 1.000 | 0.500 | 0.125 | 0.263 | 6061 | |
| 7011 | 1.000 | 0.625 | 0.125 | 0.300 | 6061 | |
| 7167 | 1.000 | 0.750 | 0.125 | 0.374 | 6061 | |
| 1961 | 1.000 | 1.000 | 0.032 | 0.113 | 2024 | |

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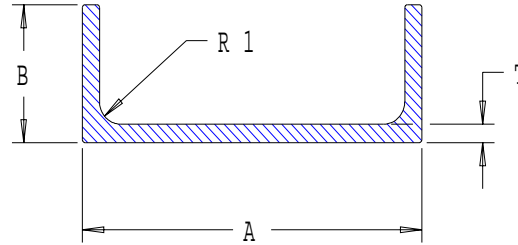
CHANNEL



| DIE NO. | A INCHES | B INCHES | T INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|------------------|-------|----------------------|
| 3274 | 1.000 | 1.000 | 0.125 | 0.413 | 6061 | |
| 6311 | 1.000 | 1.000 | 0.125 | 0.413 | 2024 | |
| 6730 | 1.000 | 1.000 | 0.125 | 0.413 | 6063 | |
| 6658 | 1.000 | 2.000 | 0.125 | 0.713 | 6063 | |
| 4964 | 1.250 | 0.375 | 0.125 | 0.263 | 6061 | |
| 8416 | 1.250 | 0.500 | 0.125 | 0.300 | 6063 | |
| 524 | 1.250 | 1.250 | 0.125 | 0.524 | ? | |
| 5449 | 1.250 | 1.250 | 0.125 | 0.524 | 6063 | |
| 1136 | 1.480 | 0.750 | 0.062 | 0.138 | 6061 | |
| 7571 | 1.500 | 0.500 | 0.125 | 0.337 | 6063 | |
| 6378 | 1.500 | 2.000 | 0.125 | 0.787 | 6061 | |
| 2258 | 1.550 | 0.950 | 0.125 | 0.480 | 6063 | ALL SURFACES EXPOSED |
| 1993 | 1.625 | 0.500 | 0.125 | 0.356 | 6061 | |
| 7962 | 1.750 | 0.750 | 0.125 | 0.450 | 6061 | |
| 4919 | 1.750 | 1.750 | 0.125 | 0.750 | 6061 | |
| 6815 | 2.000 | 0.500 | 0.125 | 0.413 | 6061 | |
| 3300 | 2.000 | 0.750 | 0.250 | 0.900 | 6061 | |
| 5235 | 2.000 | 1.250 | 0.062 | 0.325 | 6061 | |
| 6835 | 2.000 | 1.250 | 0.062 | 0.325 | 6061 | |
| 3537 | 2.250 | 0.500 | 0.125 | 0.450 | 6061 | |
| 4662 | 2.375 | 1.250 | 0.188 | 1.015 | 6063 | |
| 5832 | 3.000 | 0.500 | 0.125 | 0.563 | 6063 | |
| 2955 | 3.000 | 1.000 | 0.125 | 0.713 | 6063 | |
| 8107 | 3.000 | 1.500 | 0.188 | 1.268 | 6061 | |
| 8249 | 3.000 | 1.500 | 0.188 | 1.268 | 6061 | |
| 3945 | 3.250 | 1.312 | 0.187 | 1.234 | 6061 | |
| 3563 | 3.500 | 0.500 | 0.125 | 0.637 | 6061 | |

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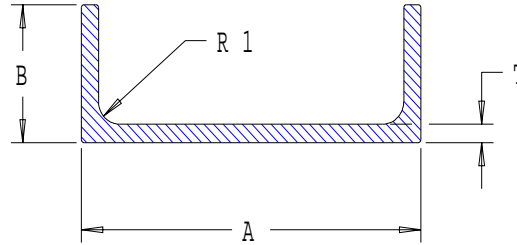
CHANNEL R1



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 6401 | 0.336 | 0.180 | 0.040 | 0.030 | 0.030 | 6063 | |
| 6524 | 0.400 | 0.236 | 0.039 | 0.059 | 0.043 | 6063 | |
| 6605 | 0.480 | 1.500 | 0.045 | 0.060 | 0.185 | 6061 | |
| 6298 | 0.500 | 0.750 | 0.050 | 0.030 | 0.114 | 6061 | .020 R (TYP) |
| 6964 | 0.540 | 0.160 | 0.040 | 0.030 | 0.037 | 6063 | |
| 2126 | 0.540 | 0.250 | 0.040 | 0.060 | 0.048 | 2024 | |
| 7825 | 0.540 | 0.250 | 0.040 | 0.060 | 0.048 | 2024 | |
| 5988 | 0.550 | 0.500 | 0.062 | 0.031 | 0.106 | 6061 | |
| 5730 | 0.560 | 0.250 | 0.060 | 0.062 | 0.070 | 2024 | |
| 4876 | 0.562 | 0.375 | 0.062 | 0.031 | 0.089 | 6063 | |
| 7919 | 0.562 | 0.375 | 0.062 | 0.031 | 0.089 | 2024 | |
| 5890 | 0.590 | 0.250 | 0.045 | 0.030 | 0.054 | 6061 | |
| 533 | 0.620 | 0.625 | 0.062 | 0.031 | 0.130 | 2024 | |
| 7142 | 0.625 | 0.500 | 0.062 | 0.030 | 0.112 | 2024 | |
| 7405 | 0.625 | 0.500 | 0.062 | 0.030 | 0.112 | 6061 | |
| 2863 | 0.625 | 0.600 | 0.050 | 0.090 | 0.107 | 6061 | |
| 2987 | 0.625 | 1.500 | 0.064 | 0.125 | 0.277 | 6061 | |
| 3332 | 0.660 | 1.500 | 0.070 | 0.125 | 0.304 | 7075 | |
| 4207 | 0.700 | 0.600 | 0.050 | 0.100 | 0.119 | 6061 | |
| 2044 | 0.705 | 0.684 | 0.040 | 0.062 | 0.098 | 7075 | |
| 5135 | 0.705 | 0.684 | 0.040 | 0.062 | 0.097 | 7075 | |
| 8161 | 0.720 | 1.190 | 0.080 | 0.060 | 0.283 | 6061 | |
| 3983 | 0.750 | 0.400 | 0.040 | 0.062 | 0.072 | 6061 | |
| 3467 | 0.750 | 0.840 | 0.080 | 0.060 | 0.218 | 7075 | .031 R (TYP) |
| 7324 | 0.750 | 1.000 | 0.081 | 0.120 | 0.258 | 6061 | .031 R (TYP) |
| 6446 | 0.750 | 1.250 | 0.090 | 0.060 | 0.332 | 2024 | .031 R (TYP) |
| 7390 | 0.750 | 1.312 | 0.075 | 0.125 | 0.296 | 2024 | .031 R (TYP) |
| 2090 | 0.766 | 0.200 | 0.063 | 0.010 | 0.079 | 7075 | |
| 3980 | 0.787 | 0.787 | 0.079 | 0.079 | 0.211 | 2024 | .020 R (TYP) |
| 2793 | 0.790 | 1.250 | 0.063 | 0.125 | 0.247 | 6061 | |
| 2124 | 0.834 | 0.234 | 0.094 | 0.030 | 0.126 | 7075 | |
| 2921 | 0.875 | 0.437 | 0.125 | 0.125 | 0.233 | 2024 | |
| 6858 | 0.886 | 0.748 | 0.079 | 0.197 | 0.246 | 6061 | |
| 3991 | 0.895 | 0.430 | 0.060 | 0.060 | 0.118 | 2024 | .031 R (TYP) |
| 3400 | 0.900 | 1.500 | 0.050 | 0.125 | 0.236 | 7075 | |
| 4071 | 0.902 | 0.875 | 0.070 | 0.062 | 0.212 | 2024 | |
| 7037 | 0.912 | 1.438 | 0.081 | 0.125 | 0.360 | 6061 | |
| 6273 | 0.920 | 0.630 | 0.063 | 0.090 | 0.160 | 7075 | |
| 5850 | 0.920 | 1.000 | 0.063 | 0.090 | 0.215 | 7075 | |
| 5046 | 0.926 | 0.594 | 0.064 | 0.093 | 0.156 | 7075 | |
| 6051 | 0.930 | 1.000 | 0.071 | 0.060 | 0.239 | 6061 | .020 R (TYP) |
| 6348 | 0.936 | 0.630 | 0.063 | 0.090 | 0.161 | 7075 | |

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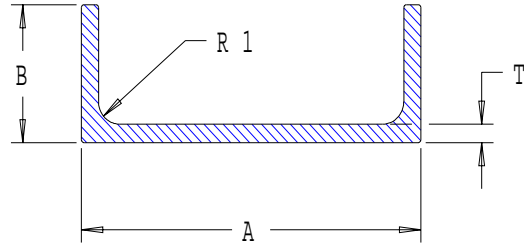
CHANNEL R1



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 227 | 0.976 | 0.900 | 0.062 | 0.032 | 0.198 | 2024 | |
| 3466 | 1.000 | 0.400 | 0.040 | 0.060 | 0.084 | 6061 | |
| 5523 | 1.000 | 0.508 | 0.051 | 0.062 | 0.149 | 2024 | |
| 6435 | 1.000 | 0.750 | 0.040 | 0.063 | 0.118 | 7075 | |
| 4660 | 1.000 | 0.875 | 0.064 | 0.094 | 0.214 | 6061 | .031 R (TYP) |
| 5205 | 1.000 | 0.920 | 0.063 | 0.090 | 0.215 | 6061 | |
| 1341 | 1.000 | 1.000 | 0.081 | 0.125 | 0.282 | 2024 | .031 R (TYP) |
| 7797 | 1.000 | 1.000 | 0.125 | 0.094 | 0.416 | 7075 | |
| 1799 | 1.000 | 1.250 | 0.100 | 0.060 | 0.398 | 7075 | |
| 2592 | 1.000 | 1.540 | 0.090 | 0.120 | 0.421 | 7075 | |
| 5243 | 1.010 | 0.850 | 0.060 | 0.090 | 0.191 | 6063 | |
| 7138 | 1.061 | 0.875 | 0.080 | 0.125 | 0.263 | 7075 | |
| 7607 | 1.125 | 0.625 | 0.094 | 0.094 | 0.251 | 2024 | |
| 2682 | 1.125 | 1.125 | 0.125 | 0.125 | 0.477 | 6061 | |
| 7048 | 1.125 | 1.562 | 0.062 | 0.062 | 0.308 | 7075 | |
| 7868 | 1.200 | 1.100 | 0.100 | 0.125 | 0.391 | 7075 | |
| 6486 | 1.250 | 0.375 | 0.125 | 0.125 | 0.269 | 7075 | .031 R (TYP) |
| 6816 | 1.250 | 0.625 | 0.063 | 0.063 | 0.181 | 2024 | |
| 4347 | 1.250 | 0.670 | 0.060 | 0.068 | 0.221 | 2024 | |
| 5758 | 1.250 | 0.750 | 0.063 | 0.093 | 0.199 | 2024 | |
| 4629 | 1.250 | 0.850 | 0.050 | 0.060 | 0.173 | 6061 | |
| 275 | 1.250 | 1.000 | 0.070 | 0.125 | 0.269 | 2024 | |
| 2790 | 1.250 | 1.000 | 0.094 | 0.094 | 0.349 | 2024 | |
| 5585 | 1.250 | 1.000 | 0.125 | 0.031 | 0.450 | 6061 | |
| 4873 | 1.260 | 0.984 | 0.063 | 0.118 | 0.241 | 7075 | |
| 7068 | 1.280 | 1.930 | 0.060 | 0.060 | 0.362 | 2024 | |
| 7209 | 1.312 | 2.094 | 0.125 | 0.125 | 0.794 | 6061 | .031 R (TYP) |
| 6864 | 1.313 | 0.625 | 0.040 | 0.125 | 0.127 | 2024 | |
| 5570 | 1.375 | 0.500 | 0.040 | 0.031 | 0.110 | 2024 | |
| 5485 | 1.375 | 0.720 | 0.094 | 0.060 | 0.372 | 6061 | |
| 7605 | 1.375 | 1.000 | 0.094 | 0.094 | 0.364 | 6061 | |
| 7012 | 1.375 | 1.250 | 0.062 | 0.062 | 0.281 | 6061 | |
| 5189 | 1.400 | 0.700 | 0.050 | 0.100 | 0.167 | 2024 | |
| 6781 | 1.420 | 2.000 | 0.060 | 0.060 | 0.830 | 2024 | |
| 1477 | 1.500 | 0.750 | 0.051 | 0.062 | 0.179 | 6061 | |
| 2628 | 1.500 | 0.750 | 0.062 | 0.062 | 0.215 | 7075 | .030 R (TYP) |
| 7557 | 1.500 | 0.750 | 0.062 | 0.060 | 0.215 | 6061 | .030 R (TYP) |
| 886 | 1.500 | 0.875 | 0.080 | 0.063 | 0.299 | 6061 | |
| 5207 | 1.500 | 1.000 | 0.080 | 0.062 | 0.370 | 6061 | .031 R (TYP) |
| 7877 | 1.500 | 1.000 | 0.094 | 0.090 | 0.377 | 6061 | |
| 6677 | 1.500 | 1.500 | 0.063 | 0.090 | 0.335 | 7075 | |
| 7388 | 1.625 | 0.750 | 0.062 | 0.031 | 0.223 | 2024 | |

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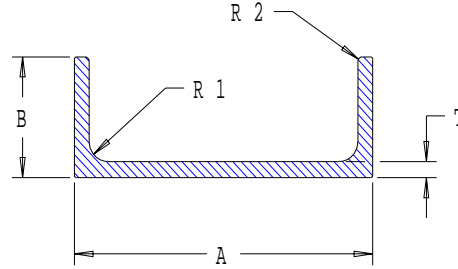
CHANNEL R1



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 3721 | 1.750 | 0.750 | 0.063 | 0.120 | 0.244 | 7075 | |
| 3110 | 1.750 | 1.000 | 0.125 | 0.125 | 0.533 | 6063 | |
| 8138 | 1.772 | 0.591 | 0.079 | 0.079 | 0.268 | 7075 | |
| 2547 | 1.900 | 0.600 | 0.060 | 0.060 | 0.216 | 7075 | |
| 4021 | 2.000 | 0.750 | 0.063 | 0.125 | 0.263 | 7075 | |
| 2551 | 2.000 | 1.000 | 0.125 | 0.125 | 0.571 | 7075 | |
| 6410 | 2.000 | 1.000 | 0.081 | 0.190 | 0.390 | 7075 | .030 R (TYP) |
| 7442 | 2.000 | 1.000 | 0.130 | 0.100 | 0.588 | 6061 | |
| 6522 | 2.000 | 1.640 | 0.063 | 0.063 | 0.391 | 2024 | |
| 2808 | 2.250 | 1.000 | 0.125 | 0.125 | 0.608 | 7075 | |
| 7675 | 2.250 | 1.000 | 0.125 | 0.188 | 0.617 | 6061 | .030 R (TYP) |
| 6625 | 2.362 | 1.181 | 0.118 | 0.118 | 0.641 | 6063 | .030 R (TYP) |
| 7088 | 2.410 | 0.915 | 0.125 | 0.060 | 0.600 | 6061 | |
| 3812 | 3.000 | 1.250 | 0.125 | 0.160 | 0.800 | 6061 | |
| 4291 | 3.500 | 0.650 | 0.070 | 0.120 | 0.397 | 6061 | .030 R (TYP) |

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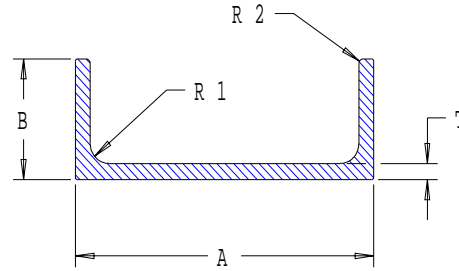
CHANNEL R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 380 | 0.390 | 0.500 | 0.040 | 0.020 | FULL | 0.062 | ? | |
| 1346 | 0.390 | 0.500 | 0.040 | 0.020 | FULL | 0.062 | 2024 | |
| 6031 | 0.390 | 0.500 | 0.040 | 0.020 | FULL | 0.062 | 6061 | |
| 6541 | 0.390 | 0.650 | 0.050 | 0.030 | 0.030 | 0.095 | 6061 | |
| 5672 | 0.500 | 0.500 | 0.062 | 0.016 | 0.031 | 0.102 | 2024 | .031 R (TYP) |
| 8005 | 0.500 | 0.500 | 0.063 | 0.016 | 0.031 | 0.103 | 6061 | |
| 3068 | 0.625 | 1.060 | 0.063 | 0.125 | 0.063 | 0.172 | 2024 | |
| 404 | 0.690 | 0.850 | 0.040 | 0.125 | 0.080 | 0.116 | 7075 | |
| 709 | 0.710 | 0.850 | 0.040 | 0.125 | 0.080 | 0.119 | 7075 | |
| 2567 | 0.750 | 0.375 | 0.078 | 0.094 | 0.078 | 0.127 | 2024 | |
| 5014 | 0.750 | 0.375 | 0.050 | 0.094 | 0.050 | 0.088 | 2024 | |
| 1734 | 0.750 | 0.500 | 0.050 | 0.094 | 0.050 | 0.102 | 2024 | |
| 768 | 0.750 | 0.625 | 0.050 | 0.094 | 0.050 | 0.118 | 2024 | |
| 4025 | 0.750 | 0.625 | 0.063 | 0.125 | 0.063 | 0.148 | 7075 | |
| 183 | 0.750 | 0.875 | 0.062 | 0.125 | 0.062 | 0.183 | ? | |
| 394 | 0.750 | 0.875 | 0.094 | 0.125 | 0.094 | 0.264 | 6061 | |
| 6144 | 0.750 | 0.875 | 0.078 | 0.125 | 0.078 | 0.224 | 2024 | |
| 6824 | 0.750 | 0.875 | 0.125 | 0.125 | 0.125 | 0.337 | 6063 | |
| 5912 | 0.875 | 0.375 | 0.050 | 0.094 | 0.050 | 0.095 | 6061 | |
| 7986 | 0.875 | 0.375 | 0.063 | 0.094 | 0.063 | 0.116 | 2024 | |
| 7119 | 0.875 | 0.460 | 0.040 | 0.060 | 0.016 | 0.104 | 6061 | |
| 700 | 0.875 | 0.500 | 0.063 | 0.125 | 0.063 | 0.138 | 7075 | |
| 3571 | 0.875 | 0.500 | 0.050 | 0.094 | 0.050 | 0.110 | 2024 | |
| 2236 | 0.875 | 0.625 | 0.078 | 0.125 | 0.078 | 0.189 | 6061 | |
| 5706 | 0.875 | 0.625 | 0.078 | 0.125 | 0.078 | 0.190 | 7075 | |
| 2267 | 0.875 | 0.750 | 0.050 | 0.094 | 0.050 | 0.140 | ? | |
| 2368 | 0.875 | 0.750 | 0.050 | 0.094 | 0.050 | 0.140 | 2024 | |
| 5907 | 0.875 | 0.750 | 0.063 | 0.125 | 0.063 | 0.176 | 7075 | |
| 2980 | 0.875 | 0.875 | 0.094 | 0.125 | 0.094 | 0.278 | 2024 | |
| 125 | 0.875 | 1.000 | 0.063 | 0.125 | 0.063 | 0.204 | 7075 | |
| 187 | 0.875 | 1.000 | 0.125 | 0.125 | 0.125 | 0.394 | 7075 | |
| 1807 | 0.875 | 1.000 | 0.078 | 0.125 | 0.078 | 0.259 | 2024 | |
| 6683 | 0.900 | 0.875 | 0.050 | 0.094 | 0.030 | 0.157 | 7075 | |
| 5020 | 0.937 | 0.500 | 0.063 | 0.063 | 0.063 | 0.137 | 7075 | |
| 6169 | 1.000 | 0.375 | 0.078 | 0.094 | 0.078 | 0.151 | 2024 | |
| 1583 | 1.000 | 0.500 | 0.062 | 0.125 | 0.062 | 0.145 | 7075 | |
| 5432 | 1.000 | 0.500 | 0.078 | 0.125 | 0.078 | 0.178 | 2024 | |
| 5612 | 1.000 | 0.625 | 0.078 | 0.125 | 0.078 | 0.200 | 2024 | |
| 6308 | 1.000 | 0.625 | 0.063 | 0.125 | 0.063 | 0.167 | 2024 | |
| 1750 | 1.000 | 0.750 | 0.063 | 0.125 | 0.063 | 0.186 | 7075 | |
| 2605 | 1.000 | 0.750 | 0.078 | 0.125 | 0.078 | 0.227 | 6061 | |
| 4816 | 1.000 | 0.750 | 0.094 | 0.125 | 0.094 | 0.264 | 2024 | |
| 124 | 1.000 | 0.875 | 0.094 | 0.125 | 0.094 | 0.293 | 2024 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

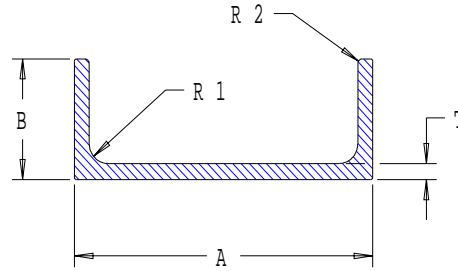
CHANNEL R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 4020 | 1.000 | 0.875 | 0.078 | 0.125 | 0.125 | 0.247 | 7075 | |
| 544 | 1.000 | 1.000 | 0.063 | 0.125 | 0.063 | 0.223 | 7075 | |
| 1341 | 1.000 | 1.000 | 0.081 | 0.125 | 0.031 | 0.282 | 2024 | .031 R (TYP) |
| 7404 | 1.000 | 1.000 | 0.051 | 0.062 | 0.031 | 0.179 | 6061 | |
| 8180 | 1.000 | 1.000 | 0.125 | 0.125 | 0.125 | 0.413 | 6061 | |
| 1924 | 1.000 | 1.250 | 0.125 | 0.125 | 0.125 | 0.487 | 7075 | |
| 2613 | 1.000 | 1.250 | 0.078 | 0.125 | 0.078 | 0.318 | 2024 | |
| 3786 | 1.000 | 1.250 | 0.094 | 0.125 | 0.094 | 0.377 | 6061 | |
| 2264 | 1.000 | 1.750 | 0.156 | 0.125 | 0.156 | 0.873 | 6061 | |
| 1582 | 1.125 | 0.500 | 0.078 | 0.125 | 0.078 | 0.190 | 2024 | |
| 2190 | 1.125 | 0.500 | 0.063 | 0.125 | 0.063 | 0.157 | 7075 | |
| 2649 | 1.125 | 0.625 | 0.062 | 0.125 | 0.062 | 0.176 | 7075 | |
| 5076 | 1.125 | 0.625 | 0.078 | 0.125 | 0.078 | 0.212 | 6061 | |
| 5436 | 1.125 | 0.625 | 0.078 | 0.125 | 0.078 | 0.212 | 7075 | |
| 2491 | 1.125 | 0.750 | 0.078 | 0.125 | 0.078 | 0.236 | 7075 | |
| 2502 | 1.125 | 0.750 | 0.094 | 0.125 | 0.094 | 0.278 | 2024 | |
| 5158 | 1.125 | 0.750 | 0.063 | 0.063 | 0.063 | 0.217 | 6061 | |
| 2591 | 1.125 | 0.875 | 0.063 | 0.125 | 0.062 | 0.214 | 2024 | |
| 5072 | 1.125 | 0.875 | 0.094 | 0.125 | 0.094 | 0.307 | 7075 | |
| 6740 | 1.125 | 0.875 | 0.078 | 0.125 | 0.078 | 0.259 | 7075 | |
| 7806 | 1.125 | 0.875 | 0.125 | 0.125 | 0.125 | 0.394 | 6061 | |
| 2346 | 1.125 | 1.000 | 0.078 | 0.125 | 0.078 | 0.283 | 2024 | |
| 5384 | 1.125 | 1.000 | 0.094 | 0.125 | 0.094 | 0.335 | 7075 | |
| 5071 | 1.250 | 0.625 | 0.094 | 0.125 | 0.094 | 0.264 | 7075 | |
| 6247 | 1.250 | 0.875 | 0.094 | 0.125 | 0.094 | 0.320 | 6061 | |
| 7964 | 1.250 | 0.875 | 0.125 | 0.125 | 0.125 | 0.413 | 6061 | |
| 123 | 1.250 | 1.000 | 0.078 | 0.125 | 0.078 | 0.318 | 7075 | |
| 2309 | 1.250 | 1.125 | 0.078 | 0.125 | 0.078 | 0.318 | 2024 | |
| 4712 | 1.250 | 1.125 | 0.094 | 0.125 | 0.094 | 0.377 | 7075 | |
| 7468 | 1.250 | 1.125 | 0.125 | 0.125 | 0.125 | 0.487 | 6061 | |
| 7969 | 1.250 | 1.125 | 0.188 | 0.060 | FULL | 0.697 | 6061 | |
| 122 | 1.250 | 1.375 | 0.094 | 0.125 | 0.094 | 0.420 | 7075 | |
| 1952 | 1.250 | 1.500 | 0.125 | 0.125 | 0.125 | 0.600 | 7075 | |
| 7065 | 1.270 | 0.250 | 0.040 | 0.062 | 0.060 | 0.082 | 6063 | |
| 857 | 1.375 | 0.625 | 0.078 | 0.125 | 0.078 | 0.236 | 7075 | |
| 2646 | 1.375 | 0.625 | 0.094 | 0.125 | 0.094 | 0.278 | 7075 | |
| 3183 | 1.375 | 0.875 | 0.125 | 0.125 | 0.125 | 0.431 | 6061 | |
| 5086 | 1.375 | 0.875 | 0.078 | 0.125 | 0.078 | 0.283 | 2024 | |
| 7189 | 1.375 | 0.875 | 0.094 | 0.125 | 0.094 | 0.335 | 6061 | |
| 7917 | 1.375 | 0.875 | 0.125 | 0.125 | 0.125 | 0.431 | 7075 | |
| 3078 | 1.375 | 1.125 | 0.094 | 0.125 | 0.094 | 0.391 | 2024 | |
| 5049 | 1.375 | 1.125 | 0.125 | 0.125 | 0.125 | 0.544 | 6061 | |
| 4832 | 1.500 | 0.625 | 0.125 | 0.125 | 0.125 | 0.376 | 6061 | .031 R (TYP) |

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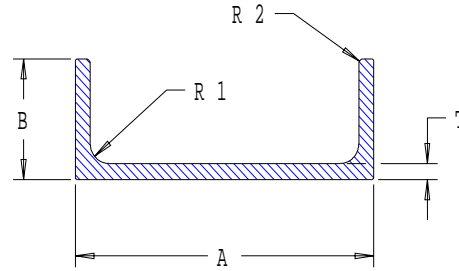
CHANNEL R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 5070 | 1.500 | 0.625 | 0.094 | 0.125 | 0.094 | 0.293 | 7075 | |
| 886 | 1.500 | 0.875 | 0.080 | 0.063 | 0.016 | 0.299 | 6061 | |
| 5930 | 1.500 | 0.875 | 0.125 | 0.125 | 0.125 | 0.450 | 6061 | |
| 8253 | 1.500 | 0.875 | 0.156 | 0.125 | 0.156 | 0.546 | 6061 | .031 R (TYP) |
| 1943 | 1.500 | 1.125 | 0.094 | 0.125 | 0.094 | 0.405 | 7075 | |
| 2291 | 1.500 | 1.750 | 0.156 | 0.125 | 0.156 | 0.873 | 6061 | |
| 5192 | 1.562 | 0.687 | 0.091 | 0.078 | 0.125 | 0.295 | 7075 | |
| 2076 | 1.625 | 0.625 | 0.094 | 0.094 | 0.094 | 0.303 | 6061 | |
| 2559 | 1.625 | 0.625 | 0.094 | 0.094 | 0.094 | 0.303 | 2024 | |
| 3307 | 1.630 | 1.250 | 0.125 | 0.125 | 0.062 | 0.587 | 2024 | |
| 2247 | 1.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.295 | 7075 | |
| 4430 | 1.750 | 0.750 | 0.094 | 0.125 | 0.094 | 0.349 | 2024 | |
| 843 | 1.750 | 0.875 | 0.125 | 0.125 | 0.125 | 0.487 | 6061 | |
| 6900 | 1.750 | 1.000 | 0.094 | 0.125 | 0.125 | 0.403 | 6061 | |
| 7178 | 1.750 | 1.000 | 0.125 | 0.125 | 0.125 | 0.526 | 6061 | |
| 3853 | 1.750 | 1.250 | 0.125 | 0.125 | 0.125 | 0.600 | 6061 | |
| 6052 | 1.750 | 1.500 | 0.156 | 0.125 | 0.156 | 0.827 | 6061 | .031 R (TYP) |
| 5802 | 1.750 | 1.750 | 0.156 | 0.188 | 0.156 | 0.930 | 6061 | |
| 7793 | 1.920 | 1.500 | 0.125 | 0.125 | 0.125 | 0.701 | 6061 | |
| 5984 | 2.000 | 0.750 | 0.094 | 0.125 | 0.094 | 0.377 | 7075 | |
| 6814 | 2.000 | 0.750 | 0.125 | 0.125 | 0.125 | 0.487 | 6061 | |
| 693 | 2.000 | 1.000 | 0.125 | 0.125 | 0.125 | 0.563 | 6061 | .031 R (TYP) |
| 2656 | 2.000 | 1.000 | 0.125 | 0.125 | 0.016 | 0.563 | 6063 | |
| 4293 | 2.000 | 1.000 | 0.063 | 0.130 | FULL | 0.300 | 6061 | .031 R (TYP) |
| 4358 | 2.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.430 | 2024 | |
| 8093 | 2.000 | 1.250 | 0.125 | 0.125 | 0.125 | 0.637 | 6061 | |
| 4260 | 2.000 | 1.376 | 0.063 | 0.120 | FULL | 0.403 | 7075 | |
| 1888 | 2.000 | 1.750 | 0.156 | 0.125 | 0.156 | 0.967 | 6061 | .031 R (TYP) |
| 7227 | 2.000 | 1.750 | 0.188 | 0.188 | 0.188 | 1.156 | 6061 | |
| 7758 | 2.000 | 1.750 | 0.188 | 0.188 | 0.188 | 1.156 | 6061 | |
| 6939 | 2.000 | 2.500 | 0.094 | 0.125 | 0.094 | 0.772 | 6061 | |
| 2961 | 2.250 | 1.000 | 0.094 | 0.125 | 0.094 | 0.462 | 2024 | |
| 7124 | 2.250 | 1.625 | 0.125 | 0.125 | 0.125 | 0.787 | 6061 | |
| 6425 | 2.500 | 0.625 | 0.094 | 0.125 | 0.094 | 0.406 | 6061 | |
| 3701 | 2.500 | 0.750 | 0.050 | 0.075 | 0.125 | 0.235 | 7075 | |
| 1622 | 2.500 | 1.000 | 0.125 | 0.125 | 0.125 | 0.638 | 6061 | |
| 3204 | 2.500 | 1.000 | 0.063 | 0.125 | 0.063 | 0.337 | 6061 | |
| 3712 | 2.500 | 1.000 | 0.063 | 0.125 | 0.063 | 0.337 | 6061 | |
| 3792 | 2.500 | 1.000 | 0.094 | 0.125 | 0.094 | 0.490 | 6061 | |
| 4427 | 2.500 | 1.375 | 0.188 | 0.188 | 0.188 | 1.100 | 6061 | |
| 7678 | 2.500 | 1.750 | 0.188 | 0.188 | 0.188 | 1.268 | 6061 | |
| 3360 | 2.750 | 1.000 | 0.094 | 0.156 | 0.094 | 0.523 | 6061 | |
| 7624 | 2.750 | 1.000 | 0.094 | 0.156 | 0.094 | 0.522 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

CHANNEL R1,R2

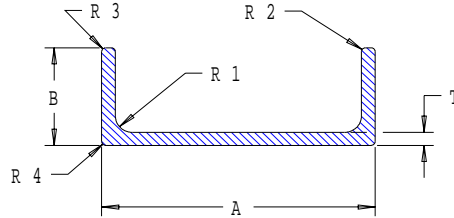


| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 8248 | 2.750 | 1.000 | 0.125 | 0.125 | 0.125 | 0.676 | 6061 | |
| 8152 | 3.000 | 1.000 | 0.125 | 0.125 | 0.125 | 0.713 | 6061 | |
| 4858 | 3.000 | 1.375 | 0.156 | 0.125 | 0.156 | 1.014 | 6061 | .031 R (TYP) |
| 6861 | 3.000 | 1.375 | 0.188 | 0.188 | 0.188 | 1.212 | 6061 | |
| 7738 | 3.000 | 1.750 | 0.156 | 0.125 | 0.156 | 1.153 | 6061 | |
| 8324 | 3.000 | 1.750 | 0.156 | 0.125 | 0.156 | 1.153 | 6061 | .031 R (TYP) |
| 8403 | 3.000 | 1.750 | 0.188 | 0.188 | 0.188 | 1.382 | 6061 | .031 R (TYP) |
| 6616 | 3.500 | 1.750 | 0.156 | 0.250 | 0.156 | 1.272 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

CHANNELS

R1, R2, R3, R4

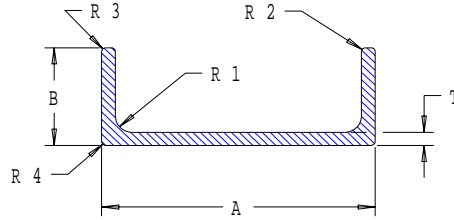


| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | R3 INCHES | R4 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|-----------|-----------|------------------|-------|----------------------|
| 5193 | 0.320 | 0.250 | 0.040 | 0.020 | 0.016 | 0.060 | 0.060 | 0.037 | 6061 | |
| 192 | 0.350 | 0.250 | 0.040 | 0.030 | 0.016 | 0.016 | 0.030 | 0.037 | 6063 | |
| 1346 | 0.390 | 0.500 | 0.040 | 0.020 | 0.020 | 0.020 | 0.016 | 0.062 | 2024 | |
| 1903 | 0.410 | 0.250 | 0.045 | 0.080 | 0.010 | 0.050 | 0.125 | 0.038 | 6063 | |
| 644 | 0.480 | 0.250 | 0.040 | 0.020 | 0.020 | 0.020 | 0.030 | 0.042 | 6063 | |
| 8019 | 0.480 | 0.430 | 0.040 | 0.080 | 0.015 | 0.015 | 0.120 | 0.056 | 6061 | |
| 805 | 0.480 | 0.900 | 0.050 | 0.062 | 0.010 | 0.040 | 0.010 | 0.132 | 2024 | |
| 204 | 0.495 | 0.250 | 0.040 | 0.020 | 0.020 | 0.020 | 0.030 | 0.043 | 6063 | |
| 2080 | 0.500 | 0.120 | 0.040 | 0.010 | 0.010 | 0.040 | 0.040 | 0.030 | 6063 | |
| 3545 | 0.560 | 0.880 | 0.060 | 0.020 | 0.020 | 0.040 | 0.040 | 0.166 | 6061 | |
| 646 | 0.580 | 0.250 | 0.040 | 0.020 | 0.016 | 0.040 | 0.040 | 0.047 | 6061 | |
| 1073 | 0.604 | 0.330 | 0.040 | 0.032 | 0.010 | 0.032 | 0.072 | 0.054 | ? | |
| 266 | 0.605 | 0.250 | 0.040 | 0.016 | 0.016 | 0.060 | 0.060 | 0.047 | 6061 | |
| 421 | 0.605 | 0.250 | 0.040 | 0.016 | 0.016 | 0.060 | 0.060 | 0.047 | 6063 | |
| 193 | 0.625 | 0.750 | 0.040 | 0.020 | 0.016 | 0.040 | 0.040 | 0.097 | 6063 | |
| 610 | 0.625 | 0.750 | 0.040 | 0.020 | 0.016 | 0.040 | 0.060 | 0.097 | 6063 | |
| 7354 | 0.630 | 0.625 | 0.065 | 0.031 | 0.031 | 0.031 | 0.063 | 0.134 | 2024 | |
| 145 | 0.650 | 0.250 | 0.040 | 0.030 | 0.016 | 0.030 | 0.060 | 0.049 | 6063 | |
| 639 | 0.655 | 0.250 | 0.040 | 0.016 | 0.016 | 0.060 | 0.060 | 0.049 | 6061 | |
| 2989 | 0.780 | 1.250 | 0.094 | 0.060 | 0.031 | 0.031 | 0.031 | 0.332 | 6061 | |
| 7285 | 0.800 | 1.390 | 0.125 | 0.060 | 0.016 | 0.016 | 0.188 | 0.494 | 6061 | |
| 682 | 0.840 | 0.250 | 0.040 | 0.085 | 0.010 | 0.040 | 0.125 | 0.055 | 6063 | |
| 1336 | 0.840 | 0.250 | 0.040 | 0.085 | 0.016 | 0.040 | 0.125 | 0.055 | 6063 | |
| 2359 | 0.850 | 0.250 | 0.040 | 0.030 | 0.016 | 0.060 | 0.060 | 0.058 | 6061 | |
| 1545 | 0.865 | 0.330 | 0.040 | 0.032 | 0.016 | 0.016 | 0.078 | 0.066 | 6061 | |
| 6923 | 0.870 | 0.250 | 0.060 | 0.016 | 0.016 | 0.030 | 0.030 | 0.089 | 6061 | |
| 6947 | 0.870 | 0.250 | 0.060 | 0.016 | 0.016 | 0.030 | 0.030 | 0.089 | 6061 | |
| 151 | 0.875 | 0.250 | 0.040 | 0.030 | 0.016 | 0.060 | 0.060 | 0.062 | 6061 | |
| 2052 | 0.875 | 0.875 | 0.040 | 0.030 | 0.010 | 0.060 | 0.060 | 0.122 | 6061 | |
| 225 | 0.880 | 0.250 | 0.040 | 0.020 | 0.016 | 0.040 | 0.060 | 0.060 | 6063 | |
| 3059 | 0.880 | 0.250 | 0.040 | 0.020 | 0.040 | 0.016 | 0.060 | 0.060 | 6063 | |
| 2806 | 0.882 | 1.600 | 0.071 | 0.100 | FULL | FULL | 0.040 | 0.338 | 7075 | |
| 6583 | 0.885 | 0.250 | 0.050 | 0.020 | 0.050 | 0.020 | 0.016 | 0.077 | 6063 | |
| 551 | 0.890 | 0.250 | 0.060 | 0.010 | 0.016 | 0.060 | 0.060 | 0.088 | 6063 | |
| 3060 | 0.985 | 0.250 | 0.040 | 0.020 | 0.016 | 0.060 | 0.060 | 0.065 | 6061 | |
| 2757 | 1.000 | 0.740 | 0.090 | 0.090 | 0.031 | 0.031 | 0.180 | 0.264 | 7075 | |
| 2148 | 1.000 | 0.875 | 0.125 | 0.016 | 0.010 | 0.010 | 0.141 | 0.365 | 2024 | |
| 719 | 1.120 | 0.250 | 0.050 | 0.075 | 0.020 | 0.050 | 0.125 | 0.085 | 6063 | |
| 1558 | 1.120 | 0.250 | 0.050 | 0.075 | 0.020 | 0.050 | 0.125 | 0.085 | 6063 | SOME EXPOSED SURFACE |
| 1517 | 1.120 | 0.500 | 0.050 | 0.080 | 0.010 | 0.050 | 0.010 | 0.109 | 6063 | SOME EXPOSED SURFACE |
| 244 | 1.125 | 0.250 | 0.040 | 0.020 | 0.016 | 0.040 | 0.060 | 0.072 | 6061 | |
| 2785 | 1.125 | 0.500 | 0.051 | 0.060 | 0.025 | 0.025 | 0.030 | 0.124 | 7075 | |
| 3205 | 1.125 | 0.750 | 0.062 | 0.062 | 0.010 | 0.010 | 0.016 | 0.188 | 2024 | |
| 5234 | 1.150 | 0.200 | 0.040 | 0.010 | 0.010 | 0.010 | 0.060 | 0.068 | 6063 | SOME EXPOSED SURFACE |
| 620 | 1.152 | 0.250 | 0.040 | 0.020 | 0.016 | 0.040 | 0.070 | 0.072 | 6063 | |
| 1334 | 1.170 | 0.250 | 0.040 | 0.085 | 0.016 | 0.050 | 0.125 | 0.071 | 6063 | |
| 2542 | 1.170 | 0.250 | 0.040 | 0.085 | 0.016 | 0.050 | 0.125 | 0.071 | 7075 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

CHANNELS

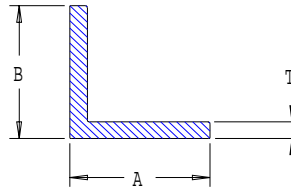
R1, R2, R3, R4



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | R3 INCHES | R4 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|-----------|-----------|------------------|-------|----------------------|
| 5190 | 1.180 | 0.250 | 0.040 | 0.020 | 0.016 | 0.016 | 0.060 | 0.074 | 6061 | |
| 1332 | 1.200 | 0.250 | 0.040 | 0.085 | 0.010 | 0.040 | 0.125 | 0.073 | 6063 | SOME EXPOSED SURFACE |
| 2755 | 1.205 | 0.250 | 0.040 | 0.016 | 0.010 | 0.030 | 0.060 | 0.078 | 6063 | |
| 2238 | 1.310 | 0.300 | 0.050 | 0.080 | 0.010 | 0.050 | 0.050 | 0.109 | 6061 | |
| 2825 | 1.310 | 0.300 | 0.050 | 0.080 | 0.010 | 0.050 | 0.010 | 0.109 | 7075 | |
| 3036 | 1.380 | 2.250 | 0.060 | 0.250 | 0.030 | 0.030 | 0.030 | 0.445 | 7075 | |
| 1335 | 1.420 | 0.250 | 0.040 | 0.085 | 0.016 | 0.050 | 0.125 | 0.083 | 6063 | |
| 3066 | 1.440 | 0.670 | 0.113 | 0.060 | 0.016 | 0.016 | 0.160 | 0.335 | 6061 | |
| 1329 | 1.450 | 0.250 | 0.040 | 0.085 | 0.016 | 0.050 | 0.125 | 0.085 | 6063 | |
| 4981 | 1.460 | 2.630 | 0.190 | 0.130 | 0.010 | 0.010 | 0.320 | 1.402 | 6061 | |
| 1333 | 1.500 | 0.250 | 0.040 | 0.085 | 0.010 | 0.040 | 0.125 | 0.088 | 6061 | |
| 3574 | 1.500 | 1.500 | 0.064 | 0.060 | 0.016 | 0.016 | 0.060 | 0.336 | 7075 | |
| 2258 | 1.550 | 0.950 | 0.125 | 0.080 | 0.010 | 0.050 | 0.010 | 0.109 | 6063 | |
| 1327 | 1.700 | 0.250 | 0.040 | 0.085 | 0.010 | 0.040 | 0.125 | 0.097 | 6063 | |
| 5646 | 1.750 | 0.750 | 0.051 | 0.094 | FULL | FULL | 0.031 | 0.196 | 2024 | |
| 1328 | 1.910 | 0.250 | 0.040 | 0.085 | 0.016 | 0.040 | 0.125 | 0.107 | 6063 | |
| 801 | 2.130 | 0.250 | 0.040 | 0.085 | 0.010 | 0.040 | 0.125 | 0.117 | 6063 | SOME EXPOSED SURFACE |
| 8324 | 3.000 | 0.300 | 0.050 | 0.080 | 0.010 | 0.050 | 0.010 | 0.109 | 6061 | |
| 7738 | 3.000 | 1.750 | 0.156 | 0.125 | 0.010 | 0.050 | 0.010 | 0.109 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

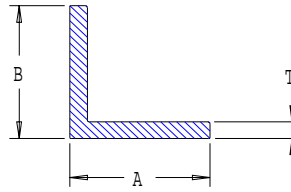
ANGLES



| DIE NO. | A INCHES | B INCHES | T INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|------------------|-------|--------------------------|
| 7394 | 0.219 | 0.219 | 0.063 | 0.029 | 6061 | |
| 7881 | 0.250 | 0.250 | 0.040 | 0.022 | 6061 | |
| 6336 | 0.312 | 0.187 | 0.045 | 0.024 | 6061 | |
| 6631 | 0.313 | 0.313 | 0.062 | 0.042 | 2024 | |
| 7127 | 0.313 | 0.313 | 0.062 | 0.042 | 6061 | |
| 3713 | 0.438 | 0.438 | 0.062 | 0.060 | 6063 | |
| 5972 | 0.475 | 0.370 | 0.040 | 0.038 | 6061 | |
| 8105 | 0.500 | 0.312 | 0.040 | 0.037 | 6061 | |
| 3091 | 0.500 | 0.380 | 0.040 | 0.040 | 2024 | .031 R ON OUTSIDE CORNER |
| 7238 | 0.500 | 0.500 | 0.040 | 0.046 | 2024 | |
| 904 | 0.500 | 0.500 | 0.062 | 0.070 | 2024 | |
| 7686 | 0.500 | 0.500 | 0.063 | 0.071 | 6063 | |
| 6875 | 0.500 | 0.500 | 0.090 | 0.098 | 6063 | |
| 173 | 0.500 | 0.500 | 0.093 | 0.101 | 6061 | |
| 6368 | 0.500 | 0.500 | 0.125 | 0.131 | 6063 | |
| 3173 | 0.500 | 0.500 | 0.130 | 0.136 | 6063 | |
| 5627 | 0.562 | 0.375 | 0.064 | 0.066 | 2024 | .061 R ON OUTSIDE CORNER |
| 3959 | 0.625 | 0.375 | 0.040 | 0.046 | 2024 | |
| 5191 | 0.625 | 0.500 | 0.063 | 0.080 | 2024 | |
| 22 | 0.625 | 0.625 | 0.062 | 0.088 | 2024 | |
| 779 | 0.625 | 0.625 | 0.125 | 0.168 | 6061 | |
| 6961 | 0.750 | 0.375 | 0.094 | 0.116 | 6063 | |
| 7775 | 0.750 | 0.500 | 0.080 | 0.112 | 6061 | .031 R (TYP) |
| 418 | 0.750 | 0.625 | 0.050 | 0.079 | 7075 | |
| 5904 | 0.750 | 0.750 | 0.040 | 0.070 | 6061 | |
| 156 | 0.750 | 0.750 | 0.062 | 0.107 | 2024 | |
| 6635 | 0.750 | 0.750 | 0.094 | 0.158 | 6061 | |
| 4512 | 0.750 | 0.750 | 0.125 | 0.206 | 6063 | |
| 1750 | 0.800 | 0.600 | 0.050 | 0.082 | 7075 | |
| 1797 | 0.800 | 0.600 | 0.050 | 0.082 | 2024 | |
| 5204 | 0.813 | 0.625 | 0.031 | 0.053 | 6063 | |
| 6412 | 0.875 | 0.562 | 0.063 | 0.103 | 7075 | |
| 5394 | 0.988 | 0.634 | 0.083 | 0.154 | 6061 | |
| 2440 | 1.000 | 0.250 | 0.062 | 0.089 | 2024 | |
| 4032 | 1.000 | 0.500 | 0.062 | 0.107 | 6063 | |
| 6881 | 1.000 | 0.500 | 0.090 | 0.152 | 6061 | |
| 30 | 1.000 | 0.500 | 0.094 | 0.158 | 6063 | |
| 4851 | 1.000 | 0.625 | 0.093 | 0.173 | 6061 | |
| 6510 | 1.000 | 0.625 | 0.125 | 0.224 | 2024 | |
| 8038 | 1.000 | 0.750 | 0.125 | 0.244 | 6061 | |
| 1052 | 1.000 | 1.000 | 0.050 | 0.118 | 7075 | |
| 1591 | 1.000 | 1.000 | 0.050 | 0.118 | 7075 | |
| 3920 | 1.000 | 1.000 | 0.062 | 0.144 | 2024 | |
| 2533 | 1.000 | 1.000 | 0.094 | 0.215 | 2024 | |
| 2992 | 1.000 | 1.000 | 0.125 | 0.281 | 6063 | |
| 4961 | 1.000 | 1.000 | 0.125 | 0.281 | 6063 | |
| 7619 | 1.000 | 1.000 | 0.188 | 0.408 | 6061 | |
| 6450 | 1.000 | 1.000 | 0.250 | 0.524 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

ANGLES



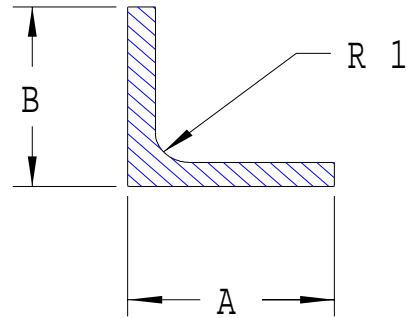
| DIE NO. | A INCHES | B INCHES | T INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|------------------|-------|--------------|
| 6738 | 1.090 | 0.380 | 0.062 | 0.104 | 2024 | |
| 2422 | 1.130 | 1.030 | 0.060 | 0.151 | 2024 | |
| 4096 | 1.250 | 0.500 | 0.125 | 0.244 | 6063 | |
| 2254 | 1.250 | 0.750 | 0.062 | 0.144 | 2024 | |
| 5658 | 1.250 | 0.750 | 0.063 | 0.146 | 2024 | |
| 8415 | 1.250 | 0.750 | 0.125 | 0.281 | 6061 | |
| 8311 | 1.250 | 0.750 | 0.125 | 0.281 | 6061 | .031 R (TYP) |
| 4752 | 1.250 | 0.750 | 0.188 | 0.408 | 6061 | |
| 2829 | 1.250 | 1.125 | 0.062 | 0.172 | 6061 | |
| 7880 | 1.250 | 1.250 | 0.094 | 0.271 | 6061 | |
| 4244 | 1.250 | 1.250 | 0.125 | 0.356 | 6061 | |
| 3174 | 1.300 | 0.750 | 0.125 | 0.289 | 6063 | |
| 245 | 1.375 | 1.375 | 0.062 | 0.199 | 7075 | |
| 815 | 1.500 | 0.500 | 0.125 | 0.281 | 6061 | |
| 6850 | 1.500 | 0.750 | 0.125 | 0.319 | 6061 | |
| 7855 | 1.500 | 1.000 | 0.250 | 0.674 | 6063 | |
| 4199 | 1.500 | 1.500 | 0.125 | 0.431 | 2024 | |
| 4439 | 1.500 | 1.500 | 0.188 | 0.634 | 6063 | |
| 8239 | 1.625 | 0.625 | 0.125 | 0.318 | 2024 | |
| 7539 | 1.625 | 1.250 | 0.125 | 0.413 | 6063 | |
| 7489 | 2.000 | 0.500 | 0.125 | 0.356 | 6063 | |
| 8366 | 2.000 | 0.625 | 0.125 | 0.374 | 6063 | |
| 7830 | 2.000 | 1.000 | 0.125 | 0.431 | 6061 | |
| 1963 | 2.000 | 1.000 | 0.156 | 0.532 | 7075 | .062 R (TYP) |
| 7992 | 2.000 | 1.250 | 0.125 | 0.468 | 6061 | |
| 4885 | 2.000 | 1.500 | 0.125 | 0.506 | 6063 | |
| 1946 | 2.000 | 2.000 | 0.040 | 0.190 | 2024 | |
| 5625 | 2.000 | 2.000 | 0.125 | 0.581 | 6063 | |
| 2347 | 2.000 | 2.000 | 0.250 | 1.125 | 6063 | |
| 8137 | 2.500 | 2.000 | 0.125 | 0.656 | 6063 | |
| 6953 | 2.500 | 2.500 | 0.125 | 0.731 | 6061 | |
| 3652 | 2.875 | 2.000 | 0.125 | 0.713 | 6061 | .026 R (TYP) |
| 7871 | 3.000 | 1.000 | 0.125 | 0.581 | 6063 | |
| 7003 | 3.000 | 1.500 | 0.187 | 0.967 | 6061 | |
| 8003 | 3.000 | 2.000 | 0.125 | 0.731 | 6063 | |
| 4757 | 3.500 | 1.250 | 0.125 | 0.694 | 6063 | |

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ANGLES

Equal & Unequal

R1



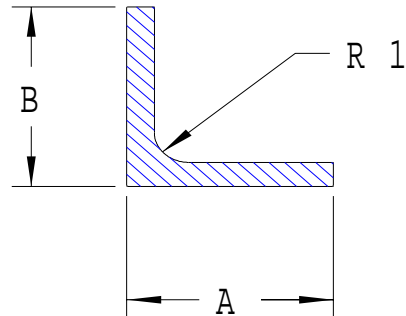
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------|
| 3214 | 0.250 | 0.250 | 0.040 | 0.030 | 0.023 | 6061 | |
| 7126 | 0.250 | 0.250 | 0.062 | 0.025 | 0.032 | 6061 | |
| 1880 | 0.500 | 0.500 | 0.040 | 0.094 | 0.048 | 2024 | |
| 2614 | 0.500 | 0.500 | 0.050 | 0.050 | 0.058 | 2024 | |
| 391 | 0.540 | 0.540 | 0.040 | 0.040 | 0.050 | 2024 | |
| 4466 | 0.600 | 0.600 | 0.060 | 0.060 | 0.072 | 2024 | .030 R (TYP) |
| 7286 | 0.600 | 0.600 | 0.060 | 0.060 | 0.082 | 2024 | .030 R (TYP) |
| 2047 | 0.620 | 0.400 | 0.040 | 0.060 | 0.048 | 7075 | |
| 7869 | 0.625 | 0.438 | 0.063 | 0.062 | 0.077 | 6061 | |
| 2587 | 0.625 | 0.500 | 0.050 | 0.062 | 0.066 | 7075 | |
| 5374 | 0.625 | 0.500 | 0.063 | 0.063 | 0.082 | 2024 | |
| 283 | 0.680 | 0.500 | 0.051 | 0.062 | 0.070 | 7075 | |
| 7648 | 0.700 | 0.600 | 0.040 | 0.063 | 0.061 | 2024 | |
| 3981 | 0.750 | 0.250 | 0.045 | 0.063 | 0.053 | 6061 | |
| 3232 | 0.750 | 0.375 | 0.063 | 0.063 | 0.082 | 6061 | |
| 5790 | 0.750 | 0.375 | 0.062 | 0.062 | 0.079 | 2024 | |
| 71 | 0.750 | 0.500 | 0.050 | 0.050 | 0.072 | 2024 | |
| 2140 | 0.750 | 0.500 | 0.095 | 0.090 | 0.133 | 7075 | |
| 4232 | 0.750 | 0.500 | 0.040 | 0.090 | 0.060 | 7075 | |
| 4247 | 0.750 | 0.500 | 0.050 | 0.090 | 0.073 | 2024 | |
| 6859 | 0.750 | 0.625 | 0.040 | 0.062 | 0.065 | 2024 | |
| 429 | 0.750 | 0.650 | 0.040 | 0.063 | 0.066 | 7075 | |
| 526 | 0.750 | 0.680 | 0.040 | 0.063 | 0.067 | 2024 | |
| 343 | 0.750 | 0.750 | 0.040 | 0.062 | 0.071 | 2024 | |
| 382 | 0.750 | 0.750 | 0.062 | 0.062 | 0.108 | 7075 | |
| 1679 | 0.750 | 0.750 | 0.051 | 0.063 | 0.059 | 2024 | |
| 1730 | 0.750 | 0.750 | 0.040 | 0.062 | 0.071 | 2024 | |
| 1819 | 0.750 | 0.750 | 0.062 | 0.062 | 0.108 | 7075 | |
| 1834 | 0.750 | 0.750 | 0.062 | 0.062 | 0.108 | 7075 | |
| 1857 | 0.750 | 0.750 | 0.051 | 0.063 | 0.090 | 6061 | |
| 1977 | 0.750 | 0.750 | 0.070 | 0.090 | 0.122 | 7075 | |
| 1994 | 0.750 | 0.750 | 0.040 | 0.062 | 0.071 | 2024 | |
| 2340 | 0.750 | 0.750 | 0.050 | 0.090 | 0.089 | 2024 | |
| 2390 | 0.750 | 0.750 | 0.051 | 0.063 | 0.090 | 7075 | |
| 6466 | 0.770 | 0.750 | 0.090 | 0.047 | 0.155 | 7075 | |
| 6183 | 0.787 | 0.630 | 0.047 | 0.047 | 0.078 | 7075 | |
| 2128 | 0.787 | 0.787 | 0.047 | 0.047 | 0.087 | 2024 | |
| 2811 | 0.787 | 0.787 | 0.079 | 0.126 | 0.146 | 7075 | |

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ANGLES

Equal & Unequal

R1



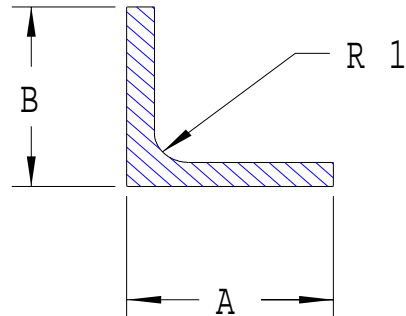
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------------------|
| 5325 | 0.787 | 0.787 | 0.047 | 0.047 | 0.086 | 7075 | |
| 5326 | 0.787 | 0.787 | 0.063 | 0.063 | 0.115 | 2024 | |
| 5424 | 0.787 | 0.787 | 0.079 | 0.079 | 0.143 | 6061 | .020 R (TYP) |
| 6823 | 0.787 | 0.787 | 0.059 | 0.059 | 0.108 | 7075 | |
| 1750 | 0.800 | 0.600 | 0.050 | 0.060 | 0.082 | 7075 | |
| 1797 | 0.800 | 0.600 | 0.050 | 0.120 | 0.084 | 2024 | |
| 3195 | 0.800 | 0.640 | 0.051 | 0.060 | 0.084 | 7075 | |
| 2203 | 0.800 | 0.750 | 0.070 | 0.060 | 0.125 | 2024 | |
| 6539 | 0.800 | 0.800 | 0.100 | 0.090 | 0.181 | 2024 | |
| 3653 | 0.844 | 0.531 | 0.062 | 0.062 | 0.098 | 2024 | |
| 5081 | 0.850 | 0.500 | 0.050 | 0.060 | 0.078 | 6061 | |
| 6693 | 0.850 | 0.600 | 0.070 | 0.090 | 0.118 | 7075 | |
| 8160 | 0.850 | 0.750 | 0.040 | 0.060 | 0.073 | 6061 | .100 R ON OUTSIDE CORNER |
| 5699 | 0.860 | 0.830 | 0.063 | 0.120 | 0.126 | 7075 | .031 R (TYP) |
| 4292 | 0.870 | 0.850 | 0.100 | 0.120 | 0.192 | 7075 | |
| 503 | 0.875 | 0.500 | 0.062 | 0.062 | 0.098 | 6061 | |
| 2468 | 0.875 | 0.500 | 0.063 | 0.062 | 0.100 | 2024 | |
| 2404 | 0.875 | 0.625 | 0.062 | 0.125 | 0.111 | 7075 | |
| 3083 | 0.875 | 0.625 | 0.062 | 0.125 | 0.111 | 6061 | |
| 457 | 0.875 | 0.750 | 0.051 | 0.062 | 0.097 | 7075 | |
| 3075 | 0.875 | 0.750 | 0.051 | 0.062 | 0.097 | 7075 | |
| 2966 | 0.875 | 0.813 | 0.125 | 0.094 | 0.236 | 6061 | |
| 707 | 0.875 | 0.875 | 0.070 | 0.062 | 0.140 | 7075 | .030 R (TYP) |
| 2252 | 0.875 | 0.875 | 0.063 | 0.047 | 0.128 | 7075 | |
| 2265 | 0.875 | 0.875 | 0.063 | 0.047 | 0.128 | 2024 | |
| 2307 | 0.875 | 0.875 | 0.063 | 0.047 | 0.128 | 2024 | |
| 310 | 0.880 | 0.800 | 0.040 | 0.047 | 0.079 | 7075 | |
| 3581 | 0.880 | 0.800 | 0.080 | 0.060 | 0.154 | 2024 | |
| 5289 | 0.900 | 0.620 | 0.045 | 0.063 | 0.080 | 2024 | |
| 5621 | 0.900 | 0.750 | 0.108 | 0.125 | 0.204 | 7075 | |
| 3019 | 0.900 | 0.900 | 0.125 | 0.188 | 0.256 | 7075 | |
| 2165 | 0.910 | 0.800 | 0.063 | 0.090 | 0.126 | 7075 | .020 R (TYP) |
| 5886 | 0.920 | 0.750 | 0.080 | 0.090 | 0.155 | 7075 | |
| 4723 | 0.940 | 0.730 | 0.040 | 0.090 | 0.080 | 7075 | |
| 2349 | 0.940 | 0.870 | 0.050 | 0.090 | 0.108 | 2024 | |
| 5626 | 0.945 | 0.787 | 0.071 | 0.079 | 0.143 | 7075 | |
| 4860 | 0.950 | 0.875 | 0.075 | 0.090 | 0.160 | 2024 | |
| 6362 | 0.984 | 0.591 | 0.059 | 0.059 | 0.108 | 7075 | |

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ANGLES

Equal & Unequal

R1



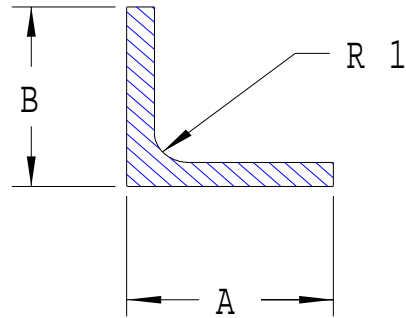
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------------------|
| 2726 | 0.984 | 0.630 | 0.063 | 0.063 | 0.118 | 6061 | |
| 5423 | 0.984 | 0.630 | 0.079 | 0.079 | 0.146 | 6061 | .020 R (TYP) |
| 6648 | 0.984 | 0.630 | 0.063 | 0.063 | 0.118 | 2024 | |
| 7276 | 0.984 | 0.787 | 0.079 | 0.079 | 0.162 | 6061 | .020 R (TYP) |
| 4382 | 0.984 | 0.984 | 0.079 | 0.079 | 0.180 | 7075 | |
| 5582 | 0.984 | 0.984 | 0.098 | 0.098 | 0.222 | 7075 | .020 R (TYP) |
| 6702 | 0.984 | 0.984 | 0.063 | 0.063 | 0.145 | 7075 | |
| 7269 | 0.984 | 0.984 | 0.098 | 0.098 | 0.222 | 6061 | .025 R (TYP) |
| 2168 | 1.000 | 0.250 | 0.045 | 0.063 | 0.066 | 7075 | |
| 480 | 1.000 | 0.375 | 0.050 | 0.047 | 0.079 | 6063 | |
| 1870 | 1.000 | 0.450 | 0.050 | 0.060 | 0.084 | 7075 | |
| 7937 | 1.000 | 0.600 | 0.040 | 0.062 | 0.076 | 2024 | |
| 7570 | 1.000 | 0.620 | 0.060 | 0.030 | 0.112 | 6061 | .050 R ON OUTSIDE CORNER |
| 2869 | 1.000 | 0.625 | 0.062 | 0.031 | 0.116 | 2024 | |
| 5400 | 1.000 | 0.625 | 0.093 | 0.093 | 0.173 | 2024 | |
| 2795 | 1.000 | 0.650 | 0.075 | 0.047 | 0.141 | 7075 | .060 R ON OUTSIDE CORNER |
| 47 | 1.000 | 0.750 | 0.040 | 0.063 | 0.083 | 6061 | |
| 271 | 1.000 | 0.750 | 0.040 | 0.063 | 0.083 | 2024 | |
| 721 | 1.000 | 0.750 | 0.051 | 0.125 | 0.106 | 2024 | |
| 1051 | 1.000 | 0.750 | 0.040 | 0.063 | 0.083 | 2024 | |
| 4023 | 1.000 | 0.750 | 0.060 | 0.125 | 0.125 | 7075 | |
| 6805 | 1.000 | 0.750 | 0.040 | 0.094 | 0.084 | 7075 | |
| 2524 | 1.000 | 0.800 | 0.062 | 0.090 | 0.130 | 7075 | .031 R (TYP) |
| 2744 | 1.000 | 0.800 | 0.081 | 0.120 | 0.169 | 7075 | .031 R (TYP) |
| 2776 | 1.000 | 0.800 | 0.050 | 0.090 | 0.107 | 7075 | |
| 3023 | 1.000 | 0.800 | 0.070 | 0.120 | 0.148 | 7075 | |
| 884 | 1.000 | 0.820 | 0.040 | 0.062 | 0.086 | 2024 | |
| 5920 | 1.000 | 0.820 | 0.102 | 0.120 | 0.212 | 7075 | .031 R (TYP) |
| 1890 | 1.000 | 0.830 | 0.050 | 0.060 | 0.107 | 7075 | |
| 4186 | 1.000 | 0.830 | 0.060 | 0.060 | 0.128 | 2024 | |
| 5934 | 1.000 | 0.830 | 0.070 | 0.060 | 0.149 | 7075 | |
| 6969 | 1.000 | 0.866 | 0.050 | 0.125 | 0.113 | 2024 | |
| 2897 | 1.000 | 0.874 | 0.063 | 0.125 | 0.140 | 2024 | |
| 2810 | 1.000 | 0.875 | 0.094 | 0.047 | 0.202 | 7075 | |
| 7191 | 1.000 | 0.875 | 0.078 | 0.125 | 0.170 | 7075 | .032 R (TYP) |
| 6373 | 1.000 | 0.880 | 0.063 | 0.094 | 0.139 | 7075 | |
| 2908 | 1.000 | 0.900 | 0.040 | 0.030 | 0.089 | 2024 | |
| 2945 | 1.000 | 0.900 | 0.050 | 0.125 | 0.115 | 7075 | |

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ANGLES

Equal & Unequal

R1



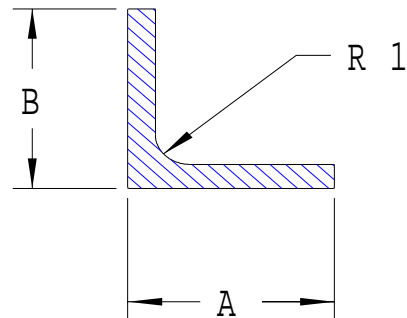
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------------------|
| 3371 | 1.000 | 0.900 | 0.060 | 0.120 | 0.136 | 7075 | .031 R (TYP) |
| 5516 | 1.000 | 0.900 | 0.063 | 0.125 | 0.142 | 7075 | .031 R (TYP) |
| 42 | 1.000 | 1.000 | 0.072 | 0.130 | 0.169 | 7075 | .031 R (TYP) |
| 202 | 1.000 | 1.000 | 0.050 | 0.062 | 0.118 | 7075 | |
| 793 | 1.000 | 1.000 | 0.040 | 0.125 | 0.097 | 2024 | |
| 1052 | 1.000 | 1.000 | 0.050 | 0.062 | 0.118 | 7075 | |
| 1591 | 1.000 | 1.000 | 0.050 | 0.063 | 0.118 | 7075 | |
| 1595 | 1.000 | 1.000 | 0.050 | 0.062 | 0.118 | 7075 | |
| 2100 | 1.000 | 1.000 | 0.040 | 0.120 | 0.098 | 7075 | |
| 2263 | 1.000 | 1.000 | 0.063 | 0.116 | 0.150 | 6061 | |
| 3069 | 1.000 | 1.000 | 0.040 | 0.120 | 0.097 | 2024 | |
| 3071 | 1.000 | 1.000 | 0.100 | 0.120 | 0.232 | 7075 | |
| 3746 | 1.000 | 1.000 | 0.090 | 0.030 | 0.206 | 6061 | |
| 5247 | 1.000 | 1.000 | 0.102 | 0.120 | 0.235 | 7075 | .031 R (TYP) |
| 5475 | 1.000 | 1.000 | 0.063 | 0.125 | 0.150 | 2024 | |
| 5789 | 1.000 | 1.000 | 0.100 | 0.120 | 0.232 | 7075 | |
| 5913 | 1.000 | 1.000 | 0.090 | 0.120 | 0.210 | 7075 | |
| 7296 | 1.000 | 1.000 | 0.100 | 0.150 | 0.234 | 7075 | |
| 7743 | 1.000 | 1.000 | 0.080 | 0.080 | 0.182 | 2024 | .080 R ON OUTSIDE CORNER |
| 7771 | 1.000 | 1.000 | 0.080 | 0.120 | 0.187 | 7075 | |
| 5888 | 1.050 | 1.000 | 0.100 | 0.120 | 0.238 | 7075 | |
| 6542 | 1.060 | 1.060 | 0.050 | 0.125 | 0.127 | 7075 | .032 R ON OUTSIDE CORNER |
| 2266 | 1.100 | 0.875 | 0.125 | 0.156 | 0.284 | 6061 | |
| 2800 | 1.100 | 0.875 | 0.125 | 0.156 | 0.284 | 7075 | |
| 8257 | 1.100 | 0.880 | 0.050 | 0.060 | 0.116 | 7075 | |
| 5897 | 1.100 | 0.920 | 0.060 | 0.060 | 0.142 | 7075 | |
| 6852 | 1.100 | 0.920 | 0.043 | 0.050 | 0.102 | 7075 | |
| 5863 | 1.100 | 1.000 | 0.072 | 0.090 | 0.176 | 7075 | .031 R (TYP) |
| 6382 | 1.100 | 1.000 | 0.080 | 0.125 | 0.197 | 7075 | .031 R (TYP) |
| 5286 | 1.100 | 1.100 | 0.080 | 0.090 | 0.204 | 7075 | .031 R (TYP) |
| 5919 | 1.100 | 1.100 | 0.070 | 0.090 | 0.180 | 7075 | .030 R (TYP) |
| 5839 | 1.120 | 1.000 | 0.094 | 0.125 | 0.232 | 7075 | .031 R (TYP) |
| 5202 | 1.120 | 1.120 | 0.070 | 0.094 | 0.184 | 7075 | .030 R (TYP) |
| 2414 | 1.125 | 0.750 | 0.062 | 0.125 | 0.139 | 2024 | |
| 5420 | 1.125 | 0.750 | 0.094 | 0.094 | 0.203 | 6061 | |
| 5563 | 1.125 | 0.750 | 0.094 | 0.125 | 0.204 | 7075 | .031 R (TYP) |
| 5710 | 1.125 | 0.875 | 0.093 | 0.093 | 0.214 | 7075 | .031 R (TYP) |
| 455 | 1.125 | 1.000 | 0.062 | 0.062 | 0.154 | 2024 | .031 R (TYP) |

Unless Noted, all Shapes are "No Exposed Surfaces"

ANGLES

Equal & Unequal

R1



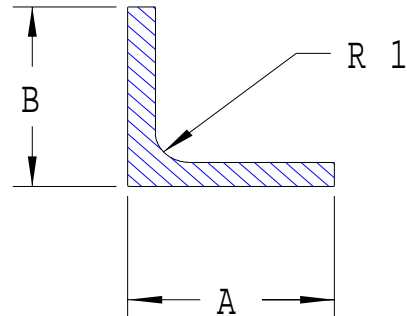
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------------------|
| 1640 | 1.125 | 1.000 | 0.064 | 0.125 | 0.162 | 7075 | |
| 3002 | 1.125 | 1.000 | 0.125 | 0.125 | 0.304 | 3002 | |
| 6256 | 1.125 | 1.000 | 0.093 | 0.093 | 0.228 | 7075 | .031 R (TYP) |
| 6317 | 1.125 | 1.000 | 0.045 | 0.060 | 0.113 | 6061 | |
| 7008 | 1.125 | 1.000 | 0.072 | 0.094 | 0.179 | 7075 | .031 R (TYP) |
| 2967 | 1.125 | 1.125 | 0.125 | 0.125 | 0.323 | 6061 | |
| 5476 | 1.125 | 1.125 | 0.072 | 0.062 | 0.188 | 2024 | |
| 5660 | 1.125 | 1.125 | 0.075 | 0.062 | 0.190 | 2024 | |
| 548 | 1.160 | 1.160 | 0.045 | 0.060 | 0.124 | 7075 | |
| 6399 | 1.160 | 1.160 | 0.063 | 0.125 | 0.173 | 7075 | .062 R ON OUTSIDE CORNER |
| 389 | 1.180 | 1.000 | 0.050 | 0.062 | 0.128 | 7075 | |
| 5535 | 1.200 | 0.960 | 0.050 | 0.060 | 0.127 | 7075 | .032 R ON OUTSIDE CORNER |
| 7145 | 1.230 | 0.650 | 0.040 | 0.063 | 0.089 | 2024 | |
| 6158 | 1.250 | 0.375 | 0.062 | 0.062 | 0.118 | 2024 | |
| 1760 | 1.250 | 0.500 | 0.062 | 0.125 | 0.130 | 2024 | |
| 31 | 1.250 | 0.750 | 0.051 | 0.062 | 0.120 | 7075 | |
| 5929 | 1.250 | 0.750 | 0.062 | 0.125 | 0.148 | 6061 | |
| 6190 | 1.250 | 0.750 | 0.051 | 0.063 | 0.120 | 6061 | |
| 7173 | 1.250 | 0.750 | 0.051 | 0.125 | 0.125 | 2024 | |
| 6314 | 1.250 | 0.813 | 0.062 | 0.125 | 0.152 | 6061 | |
| 377 | 1.250 | 0.950 | 0.050 | 0.091 | 0.131 | 2024 | |
| 51 | 1.250 | 1.000 | 0.051 | 0.125 | 0.138 | 6061 | |
| 1680 | 1.250 | 1.000 | 0.062 | 0.125 | 0.167 | 2024 | |
| 1753 | 1.250 | 1.000 | 0.156 | 0.156 | 0.397 | 7075 | .031 R (TYP) |
| 2448 | 1.250 | 1.000 | 0.250 | 0.180 | 0.607 | 7075 | .031 R (TYP) |
| 3619 | 1.250 | 1.000 | 0.063 | 0.125 | 0.138 | 2024 | |
| 3719 | 1.250 | 1.000 | 0.050 | 0.094 | 0.134 | 2024 | |
| 3743 | 1.250 | 1.000 | 0.050 | 0.125 | 0.136 | 7075 | |
| 5447 | 1.250 | 1.000 | 0.188 | 0.125 | 0.468 | 2024 | .031 R (TYP) |
| 6122 | 1.250 | 1.000 | 0.094 | 0.094 | 0.244 | 7075 | .047 R (TYP) |
| 7478 | 1.250 | 1.000 | 0.125 | 0.060 | 0.319 | 6061 | |
| 2774 | 1.250 | 1.125 | 0.062 | 0.125 | 0.175 | 2024 | |
| 2995 | 1.250 | 1.125 | 0.125 | 0.125 | 0.341 | 7075 | |
| 3356 | 1.250 | 1.125 | 0.050 | 0.094 | 0.142 | 7075 | |
| 2624 | 1.250 | 1.150 | 0.120 | 0.120 | 0.348 | 7075 | .030 R (TYP) |
| 5598 | 1.250 | 1.250 | 0.094 | 0.190 | 0.281 | 7075 | |
| 6686 | 1.250 | 1.250 | 0.125 | 0.125 | 0.360 | 7075 | |
| 7426 | 1.250 | 1.250 | 0.125 | 0.125 | 0.359 | 7075 | .030 R (TYP) |

Unless Noted, all Shapes are "No Exposed Surfaces"

ANGLES

Equal & Unequal

R1



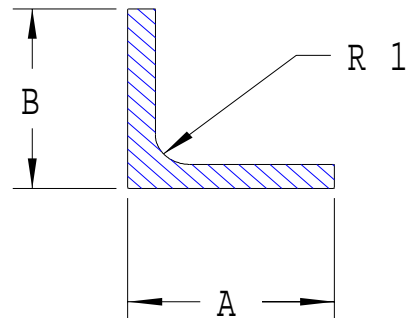
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------|
| 7975 | 1.250 | 1.250 | 0.125 | 0.125 | 0.125 | 6061 | .030 R (TYP) |
| 5422 | 1.260 | 0.787 | 0.079 | 0.079 | 0.187 | 6061 | .020 R (TYP) |
| 5421 | 1.260 | 1.260 | 0.079 | 0.079 | 0.233 | 6061 | .020 R (TYP) |
| 5665 | 1.260 | 1.260 | 0.118 | 0.118 | 0.342 | 2024 | .030 R (TYP) |
| 6262 | 1.270 | 0.750 | 0.070 | 0.090 | 0.166 | 7075 | |
| 2760 | 1.280 | 1.000 | 0.062 | 0.090 | 0.166 | 2024 | .031 R (TYP) |
| 2604 | 1.300 | 0.500 | 0.040 | 0.063 | 0.096 | 2024 | |
| 3290 | 1.300 | 0.500 | 0.050 | 0.063 | 0.106 | 7075 | |
| 3058 | 1.300 | 0.830 | 0.062 | 0.090 | 0.156 | 7075 | |
| 5561 | 1.300 | 1.000 | 0.063 | 0.120 | 0.173 | 7075 | .031 R (TYP) |
| 3119 | 1.312 | 1.312 | 0.078 | 0.094 | 0.240 | 7075 | |
| 4039 | 1.340 | 1.200 | 0.100 | 0.060 | 0.293 | 2024 | .031 R (TYP) |
| 3311 | 1.350 | 0.620 | 0.050 | 0.060 | 0.116 | 2024 | |
| 3436 | 1.350 | 0.700 | 0.050 | 0.090 | 0.122 | 2024 | |
| 1443 | 1.350 | 0.800 | 0.050 | 0.090 | 0.127 | 7075 | |
| 3720 | 1.350 | 0.850 | 0.045 | 0.090 | 0.118 | 7075 | |
| 1632 | 1.350 | 1.250 | 0.063 | 0.120 | 0.194 | 7075 | .031 R (TYP) |
| 3246 | 1.375 | 0.750 | 0.070 | 0.094 | 0.175 | 2024 | |
| 4336 | 1.375 | 0.750 | 0.070 | 0.094 | 0.174 | 2024 | |
| 2585 | 1.375 | 1.375 | 0.100 | 0.125 | 0.332 | 6061 | |
| 1934 | 1.380 | 1.250 | 0.080 | 0.120 | 0.249 | 2024 | |
| 8293 | 1.400 | 1.280 | 0.125 | 0.125 | 0.386 | 7075 | .031 R (TYP) |
| 1913 | 1.437 | 0.500 | 0.062 | 0.062 | 0.140 | 7075 | |
| 1764 | 1.450 | 1.250 | 0.050 | 0.060 | 0.160 | 7075 | |
| 3032 | 1.460 | 1.380 | 0.063 | 0.090 | 0.235 | 2024 | |
| 2412 | 1.500 | 0.750 | 0.062 | 0.125 | 0.167 | 2024 | |
| 6301 | 1.500 | 0.750 | 0.062 | 0.125 | 0.166 | 6061 | .031 R (TYP) |
| 6604 | 1.500 | 0.750 | 0.062 | 0.125 | 0.167 | 6061 | |
| 1775 | 1.500 | 0.844 | 0.094 | 0.093 | 0.253 | 7075 | |
| 2584 | 1.500 | 1.000 | 0.078 | 0.125 | 0.230 | 6061 | |
| 2958 | 1.500 | 1.000 | 0.056 | 0.062 | 0.164 | 7075 | .031 R (TYP) |
| 2978 | 1.500 | 1.000 | 0.042 | 0.063 | 0.125 | 7075 | |
| 4375 | 1.500 | 1.000 | 0.078 | 0.125 | 0.230 | 7075 | |
| 5359 | 1.500 | 1.000 | 0.080 | 0.125 | 0.235 | 6061 | .031 R (TYP) |
| 5525 | 1.500 | 1.000 | 0.080 | 0.100 | 0.234 | 7075 | |
| 6586 | 1.500 | 1.000 | 0.125 | 0.031 | 0.356 | 2024 | |
| 7788 | 1.500 | 1.000 | 0.125 | 0.031 | 0.356 | 6061 | |
| 5541 | 1.500 | 1.062 | 0.094 | 0.125 | 0.282 | 2024 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

ANGLES

Equal & Unequal

R1



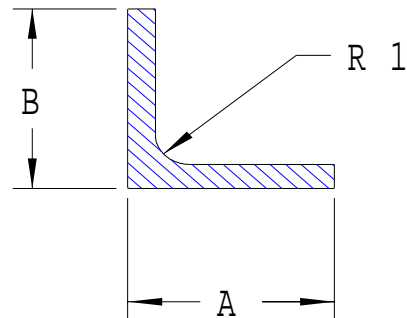
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------|
| 1939 | 1.500 | 1.125 | 0.050 | 0.094 | 0.157 | 7075 | |
| 2937 | 1.500 | 1.250 | 0.050 | 0.125 | 0.166 | 6061 | |
| 6178 | 1.500 | 1.250 | 0.050 | 0.125 | 0.166 | 2024 | |
| 388 | 1.500 | 1.375 | 0.051 | 0.160 | 0.179 | 7075 | |
| 2077 | 1.500 | 1.500 | 0.250 | 0.120 | 0.829 | 6061 | .030 R (TYP) |
| 4188 | 1.500 | 1.500 | 0.056 | 0.120 | 0.202 | 2024 | |
| 6704 | 1.500 | 1.500 | 0.078 | 0.125 | 0.277 | 2024 | |
| 5838 | 1.520 | 1.060 | 0.080 | 0.125 | 0.242 | 7075 | .030 R (TYP) |
| 4965 | 1.575 | 0.866 | 0.059 | 0.118 | 0.172 | 7075 | |
| 6777 | 1.575 | 0.984 | 0.079 | 0.079 | 0.236 | 6061 | |
| 6960 | 1.575 | 1.260 | 0.098 | 0.098 | 0.324 | 6061 | .025 R (TYP) |
| 7940 | 1.575 | 1.260 | 0.098 | 0.098 | 0.324 | 6061 | .025 R (TYP) |
| 1761 | 1.575 | 1.575 | 0.079 | 0.079 | 0.293 | 6061 | .020 R (TYP) |
| 4798 | 1.575 | 1.575 | 0.250 | 0.300 | 0.890 | 6061 | .050 R (TYP) |
| 430 | 1.600 | 1.120 | 0.063 | 0.125 | 0.204 | 7075 | |
| 6361 | 1.600 | 1.200 | 0.100 | 0.120 | 0.328 | 7075 | |
| 6578 | 1.600 | 1.250 | 0.060 | 0.060 | 0.200 | 7075 | .030 R (TYP) |
| 4765 | 1.600 | 1.600 | 0.063 | 0.125 | 0.241 | 7075 | |
| 5821 | 1.625 | 1.000 | 0.125 | 0.125 | 0.379 | 6061 | |
| 2982 | 1.625 | 1.625 | 0.100 | 0.125 | 0.381 | 6061 | .031 R (TYP) |
| 3390 | 1.625 | 1.625 | 0.080 | 0.050 | 0.306 | 6061 | |
| 5896 | 1.630 | 1.150 | 0.100 | 0.120 | 0.325 | 7075 | .020 R (TYP) |
| 3284 | 1.650 | 0.750 | 0.065 | 0.120 | 0.186 | 7075 | .020 R (TYP) |
| 3256 | 1.660 | 1.000 | 0.063 | 0.125 | 0.199 | 6061 | |
| 7916 | 1.720 | 0.620 | 0.064 | 0.125 | 0.181 | 2024 | |
| 90 | 1.730 | 1.000 | 0.063 | 0.094 | 0.204 | 6063 | |
| 286 | 1.730 | 1.000 | 0.063 | 0.094 | 0.204 | 7075 | |
| 2893 | 1.730 | 1.250 | 0.063 | 0.094 | 0.223 | 7075 | |
| 3465 | 1.750 | 0.750 | 0.062 | 0.125 | 0.186 | 7075 | |
| 6488 | 1.750 | 0.750 | 0.063 | 0.094 | 0.186 | 2024 | |
| 6707 | 1.750 | 0.750 | 0.063 | 0.120 | 0.187 | 7075 | |
| 1895 | 1.750 | 0.812 | 0.125 | 0.093 | 0.368 | 6061 | |
| 4079 | 1.750 | 0.850 | 0.080 | 0.125 | 0.245 | 2024 | .031 R (TYP) |
| 2251 | 1.750 | 1.125 | 0.064 | 0.125 | 0.220 | 7075 | |
| 785 | 1.750 | 1.250 | 0.050 | 0.060 | 0.178 | 2024 | .019 R (TYP) |
| 1588 | 1.750 | 1.250 | 0.100 | 0.125 | 0.350 | 2024 | .031 R (TYP) |
| 2805 | 1.750 | 1.420 | 0.064 | 0.090 | 0.241 | 7075 | |
| 5233 | 1.772 | 1.181 | 0.079 | 0.079 | 0.274 | 7075 | .020 R (TYP) |

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ANGLES

Equal & Unequal

R1



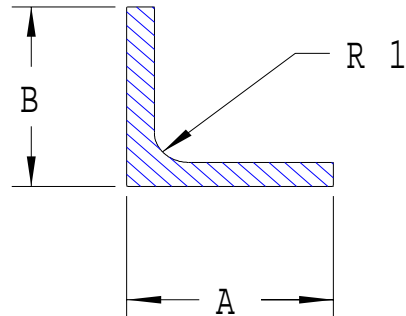
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------------------|
| 6437 | 1.800 | 0.900 | 0.063 | 0.120 | 0.202 | 7075 | .031 R (TYP) |
| 7009 | 1.800 | 1.000 | 0.050 | 0.062 | 0.166 | 7075 | |
| 1519 | 1.800 | 1.200 | 0.040 | 0.094 | 0.144 | 7075 | |
| 6896 | 1.800 | 1.250 | 0.071 | 0.094 | 0.256 | 2024 | |
| 3116 | 1.820 | 1.380 | 0.080 | 0.120 | 0.304 | 2024 | |
| 5837 | 1.840 | 0.750 | 0.063 | 0.090 | 0.193 | 2024 | |
| 3260 | 1.850 | 1.300 | 0.063 | 0.125 | 0.238 | 2024 | |
| 1932 | 1.875 | 1.125 | 0.064 | 0.094 | 0.228 | 2024 | |
| 2768 | 1.875 | 1.250 | 0.125 | 0.125 | 0.454 | 6061 | |
| 3370 | 1.900 | 0.800 | 0.090 | 0.090 | 0.284 | 7075 | |
| 5470 | 1.900 | 1.800 | 0.080 | 0.094 | 0.349 | 2024 | |
| 4525 | 1.929 | 1.417 | 0.063 | 0.177 | 0.256 | 6061 | .027 R (TYP) |
| 2308 | 1.950 | 1.000 | 0.050 | 0.060 | 0.175 | 6061 | |
| 7588 | 1.950 | 1.950 | 0.100 | 0.094 | 0.458 | 2024 | |
| 3299 | 1.969 | 0.984 | 0.098 | 0.098 | 0.337 | 6061 | .025 R (TYP) |
| 4330 | 1.969 | 0.984 | 0.126 | 0.126 | 0.431 | 6061 | .031 R (TYP) |
| 6526 | 1.969 | 1.575 | 0.063 | 0.063 | 0.264 | 2024 | |
| 3573 | 1.980 | 1.082 | 0.070 | 0.090 | 0.253 | 7075 | |
| 406 | 2.000 | 1.000 | 0.070 | 0.120 | 0.248 | 7075 | .031 R (TYP) |
| 2410 | 2.000 | 1.000 | 0.063 | 0.031 | 0.222 | 2024 | |
| 5183 | 2.000 | 1.000 | 0.050 | 0.094 | 0.179 | 7075 | |
| 5526 | 2.000 | 1.000 | 0.040 | 0.090 | 0.144 | 7075 | |
| 6189 | 2.000 | 1.000 | 0.063 | 0.031 | 0.222 | 6061 | |
| 6381 | 2.000 | 1.000 | 0.060 | 0.090 | 0.214 | 7075 | |
| 6560 | 2.000 | 1.000 | 0.050 | 0.094 | 0.179 | 2024 | |
| 7921 | 2.000 | 1.000 | 0.094 | 0.125 | 0.330 | 6061 | .031 R (TYP) |
| 5766 | 2.000 | 1.160 | 0.094 | 0.062 | 0.342 | 7075 | .120 R ON OUTSIDE CORNER |
| 2327 | 2.000 | 1.200 | 0.062 | 0.250 | 0.250 | 7075 | |
| 3431 | 2.000 | 1.250 | 0.078 | 0.125 | 0.301 | 7075 | |
| 4986 | 2.000 | 1.250 | 0.050 | 0.094 | 0.194 | 7075 | |
| 5608 | 2.000 | 1.250 | 0.094 | 0.125 | 0.360 | 7075 | |
| 6372 | 2.000 | 1.250 | 0.063 | 0.125 | 0.245 | 2024 | |
| 5864 | 2.000 | 1.280 | 0.062 | 0.090 | 0.240 | 7075 | .031 R (TYP) |
| 5620 | 2.000 | 1.310 | 0.078 | 0.125 | 0.306 | 7075 | |
| 175 | 2.000 | 1.500 | 0.064 | 0.125 | 0.268 | 2024 | |
| 186 | 2.000 | 1.500 | 0.064 | 0.125 | 0.268 | 7075 | |
| 4321 | 2.000 | 1.500 | 0.094 | 0.190 | 0.365 | 6061 | .030 R (TYP) |
| 6290 | 2.000 | 1.625 | 0.100 | 0.125 | 0.427 | 6061 | |

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ANGLES

Equal & Unequal

R1



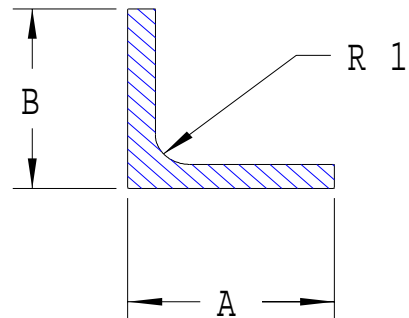
| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------|
| 1599 | 2.000 | 2.000 | 0.063 | 0.094 | 0.300 | 7075 | |
| 2797 | 2.000 | 2.000 | 0.080 | 0.240 | 0.388 | 2024 | |
| 7211 | 2.000 | 2.000 | 0.094 | 0.094 | 0.443 | 6061 | |
| 7598 | 2.000 | 2.000 | 0.094 | 0.125 | 0.444 | 6061 | |
| 8141 | 2.000 | 2.000 | 0.125 | 0.188 | 0.590 | 6061 | |
| 6426 | 2.040 | 1.875 | 0.071 | 0.187 | 0.336 | 2024 | |
| 3833 | 2.046 | 1.016 | 0.062 | 0.062 | 0.222 | 7075 | |
| 5604 | 2.050 | 1.100 | 0.070 | 0.125 | 0.263 | 6061 | |
| 1927 | 2.100 | 1.000 | 0.078 | 0.060 | 0.284 | 2024 | |
| 2556 | 2.120 | 1.890 | 0.070 | 0.090 | 0.332 | 2024 | .031 R (TYP) |
| 5491 | 2.188 | 0.812 | 0.081 | 0.062 | 0.284 | 2024 | |
| 6068 | 2.200 | 0.750 | 0.072 | 0.094 | 0.245 | 7075 | .031 R (TYP) |
| 5644 | 2.200 | 1.000 | 0.080 | 0.080 | 0.300 | 7075 | .031 R (TYP) |
| 4431 | 2.200 | 1.170 | 0.094 | 0.156 | 0.376 | 7075 | |
| 3982 | 2.250 | 0.750 | 0.060 | 0.060 | 0.211 | 6061 | .031 R (TYP) |
| 4118 | 2.250 | 0.750 | 0.060 | 0.060 | 0.211 | 2024 | .030 R (TYP) |
| 5553 | 2.250 | 0.875 | 0.063 | 0.093 | 0.233 | 7075 | |
| 6445 | 2.250 | 1.000 | 0.093 | 0.094 | 0.354 | 7075 | |
| 5768 | 2.250 | 1.060 | 0.094 | 0.156 | 0.368 | 7075 | |
| 6593 | 2.250 | 1.125 | 0.150 | 0.020 | 0.487 | 2024 | |
| 4376 | 2.250 | 1.375 | 0.094 | 0.125 | 0.401 | 2024 | .031 R (TYP) |
| 4269 | 2.250 | 1.500 | 0.200 | 0.188 | 0.860 | 6061 | |
| 2303 | 2.250 | 1.625 | 0.080 | 0.120 | 0.366 | 7075 | .040 R (TYP) |
| 3471 | 2.375 | 1.062 | 0.125 | 0.125 | 0.500 | 6061 | |
| 3363 | 2.375 | 1.500 | 0.125 | 0.125 | 0.565 | 6061 | .031 R (TYP) |
| 5540 | 2.400 | 1.250 | 0.080 | 0.125 | 0.346 | 7075 | .031 R (TYP) |
| 2920 | 2.400 | 1.750 | 0.063 | 0.188 | 0.318 | 7075 | .031 R (TYP) |
| 1906 | 2.400 | 1.880 | 0.080 | 0.125 | 0.406 | 7075 | .031 R (TYP) |
| 3737 | 2.480 | 1.575 | 0.157 | 0.157 | 0.739 | 6061 | .039 R (TYP) |
| 7965 | 2.500 | 0.750 | 0.050 | 0.125 | 0.196 | 6061 | .025 R (TYP) |
| 3344 | 2.500 | 1.000 | 0.094 | 0.156 | 0.390 | 2024 | |
| 3123 | 2.500 | 1.250 | 0.064 | 0.090 | 0.284 | 2024 | |
| 5599 | 2.500 | 1.250 | 0.100 | 0.150 | 0.443 | 7075 | .030 R (TYP) |
| 5605 | 2.500 | 1.750 | 0.080 | 0.125 | 0.404 | 6061 | |
| 5572 | 2.625 | 1.750 | 0.072 | 0.125 | 0.376 | 6061 | |
| 2496 | 2.750 | 1.200 | 0.080 | 0.125 | 0.374 | 6061 | .030 R (TYP) |
| 7594 | 2.750 | 1.200 | 0.080 | 0.125 | 0.374 | 6061 | .030 R (TYP) |
| 1043 | 3.000 | 1.000 | 0.078 | 0.093 | 0.368 | 6061 | .030 R (TYP) |

Unless Noted, all Shapes are "No Exposed Surfaces"

ANGLES

Equal & Unequal

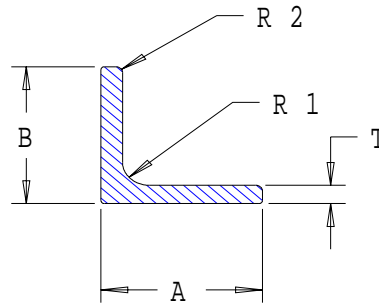
R1



| DIE NO. | A INCHES | B INCHES | T INCHES | R INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|------------------|-------|--------------|
| 2572 | 3.000 | 1.000 | 0.094 | 0.156 | 0.447 | 6061 | |
| 4451 | 3.000 | 1.250 | 0.125 | 0.125 | 0.622 | 6061 | .032 R (TYP) |
| 6647 | 3.000 | 2.000 | 0.125 | 0.125 | 0.734 | 6061 | |
| 6566 | 3.125 | 1.250 | 0.125 | 0.125 | 0.641 | 6061 | |
| 3257 | 3.350 | 1.000 | 0.063 | 0.125 | 0.227 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

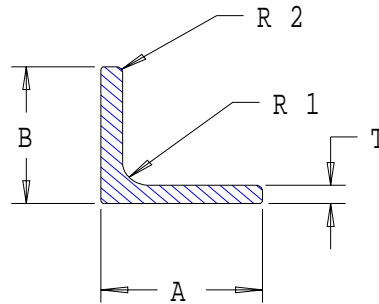
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 3062 | 0.438 | 0.438 | 0.094 | 0.094 | 0.047 | 0.089 | 6061 | |
| 3670 | 0.500 | 0.300 | 0.050 | 0.060 | 0.050 | 0.044 | 2024 | |
| 8345 | 0.500 | 0.500 | 0.060 | 0.060 | 0.060 | 0.064 | 6061 | |
| 2449 | 0.500 | 0.500 | 0.062 | 0.062 | 0.062 | 0.070 | 7075 | |
| 6716 | 0.500 | 0.500 | 0.062 | 0.062 | 0.031 | 0.071 | 2024 | |
| 8314 | 0.500 | 0.500 | 0.062 | 0.063 | 0.031 | 0.071 | 2024 | |
| 924 | 0.500 | 0.500 | 0.063 | 0.063 | 0.063 | 0.070 | 6061 | |
| 1600 | 0.562 | 0.562 | 0.040 | 0.040 | 0.040 | 0.052 | 7075 | |
| 2160 | 0.562 | 0.562 | 0.040 | 0.040 | 0.040 | 0.052 | 7075 | |
| 190 | 0.563 | 0.563 | 0.040 | 0.040 | 0.040 | 0.052 | 6061 | |
| 2419 | 0.625 | 0.500 | 0.050 | 0.062 | 0.050 | 0.064 | 7075 | |
| 2483 | 0.625 | 0.500 | 0.063 | 0.063 | 0.063 | 0.079 | 2024 | |
| 5708 | 0.625 | 0.500 | 0.080 | 0.081 | 0.031 | 0.101 | 6061 | |
| 6233 | 0.625 | 0.625 | 0.040 | 0.063 | 0.040 | 0.059 | 7075 | |
| 2374 | 0.625 | 0.625 | 0.045 | 0.063 | 0.040 | 0.065 | 2024 | |
| 589 | 0.625 | 0.625 | 0.045 | 0.060 | 0.045 | 0.065 | 2024 | |
| 3026 | 0.625 | 0.625 | 0.050 | 0.062 | 0.025 | 0.072 | 2024 | |
| 495 | 0.625 | 0.625 | 0.062 | 0.125 | 0.062 | 0.090 | 2024 | |
| 1595 | 0.625 | 0.625 | 0.063 | 0.094 | 0.063 | 0.090 | 7075 | |
| 642 | 0.625 | 0.625 | 0.063 | 0.062 | 0.031 | 0.090 | 7075 | |
| 1595 | 0.625 | 0.625 | 0.063 | 0.062 | 0.031 | 0.090 | 7075 | |
| 4211 | 0.625 | 0.625 | 0.078 | 0.094 | 0.078 | 0.109 | 7075 | |
| 2172 | 0.625 | 0.625 | 0.094 | 0.094 | 0.094 | 0.128 | 2024 | |
| 6320 | 0.625 | 0.625 | 0.094 | 0.125 | 0.047 | 0.133 | 2024 | |
| 7482 | 0.625 | 0.625 | 0.125 | 0.062 | 0.062 | 0.168 | 6061 | |
| 2398 | 0.700 | 0.600 | 0.040 | 0.060 | 0.040 | 0.061 | 2024 | |
| 6630 | 0.720 | 0.720 | 0.070 | 0.063 | 0.063 | 0.115 | 2024 | |
| 3771 | 0.750 | 0.375 | 0.060 | 0.050 | FULL | 0.074 | 6063 | |
| 726 | 0.750 | 0.500 | 0.062 | 0.063 | 0.063 | 0.089 | 7075 | |
| 5440 | 0.750 | 0.500 | 0.062 | 0.062 | 0.031 | 0.089 | 2024 | |
| 473 | 0.750 | 0.625 | 0.051 | 0.063 | 0.063 | 0.080 | 7075 | |
| 2149 | 0.750 | 0.625 | 0.062 | 0.062 | 0.062 | 0.097 | 7075 | |
| 2534 | 0.750 | 0.625 | 0.062 | 0.062 | 0.031 | 0.098 | 2024 | |
| 3705 | 0.750 | 0.625 | 0.062 | 0.062 | 0.062 | 0.097 | 6061 | |
| 6188 | 0.750 | 0.625 | 0.062 | 0.062 | 0.031 | 0.098 | 6061 | |
| 6276 | 0.750 | 0.625 | 0.094 | 0.063 | 0.094 | 0.142 | 6061 | |
| 2053 | 0.750 | 0.750 | 0.050 | 0.050 | 0.025 | 0.087 | 7075 | |
| 678 | 0.750 | 0.750 | 0.050 | 0.050 | 0.025 | 0.088 | 7075 | |
| 2340 | 0.750 | 0.750 | 0.050 | 0.050 | 0.025 | 0.088 | 2024 | |
| 1719 | 0.750 | 0.750 | 0.062 | 0.125 | 0.094 | 0.108 | 6061 | |
| 7787 | 0.750 | 0.750 | 0.062 | 0.125 | FULL | 0.110 | 7075 | .031 R (TYP) |
| 701 | 0.750 | 0.750 | 0.062 | 0.094 | 0.062 | 0.108 | 7075 | |
| 767 | 0.750 | 0.750 | 0.062 | 0.094 | 0.062 | 0.108 | 7075 | |
| 1770 | 0.750 | 0.750 | 0.063 | 0.063 | 0.094 | 0.107 | 6061 | |

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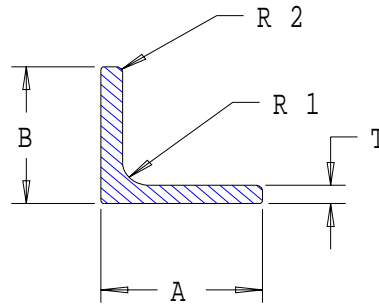
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 6470 | 0.750 | 0.750 | 0.063 | 0.063 | 0.094 | 0.107 | 2024 | |
| 1990 | 0.750 | 0.750 | 0.075 | 0.075 | 0.031 | 0.129 | 7075 | |
| 3401 | 0.750 | 0.750 | 0.080 | 0.100 | 0.063 | 0.137 | 7075 | |
| 2325 | 0.750 | 0.750 | 0.094 | 0.094 | 0.094 | 0.156 | 7075 | |
| 4175 | 0.750 | 0.750 | 0.094 | 0.125 | 0.094 | 0.158 | 2024 | |
| 6492 | 0.750 | 0.750 | 0.125 | 0.125 | 0.094 | 0.205 | 7075 | |
| 1143 | 0.750 | 0.750 | 0.125 | 0.094 | 0.125 | 0.202 | 6061 | .031 R (TYP) |
| 5367 | 0.750 | 0.750 | 0.125 | 0.094 | 0.125 | 0.202 | 7075 | .031 R (TYP) |
| 5232 | 0.787 | 0.787 | 0.059 | 0.055 | 0.020 | 0.108 | 7075 | |
| 4448 | 0.813 | 0.625 | 0.078 | 0.094 | 0.047 | 0.128 | 2024 | |
| 5398 | 0.813 | 0.813 | 0.062 | 0.062 | 0.031 | 0.116 | 2024 | |
| 7120 | 0.840 | 0.780 | 0.100 | 0.125 | 0.085 | 0.182 | 6061 | |
| 3329 | 0.875 | 0.350 | 0.069 | 0.063 | 0.063 | 0.095 | 2024 | |
| 5412 | 0.875 | 0.500 | 0.062 | 0.120 | 0.062 | 0.100 | 2024 | |
| 2123 | 0.875 | 0.500 | 0.063 | 0.063 | 0.063 | 0.098 | 7075 | |
| 2497 | 0.875 | 0.500 | 0.063 | 0.063 | 0.063 | 0.098 | 6061 | |
| 2255 | 0.875 | 0.625 | 0.051 | 0.125 | 0.031 | 0.092 | 7075 | |
| 2101 | 0.875 | 0.625 | 0.063 | 0.125 | 0.063 | 0.111 | 7075 | |
| 2514 | 0.875 | 0.625 | 0.063 | 0.125 | 0.063 | 0.111 | 6061 | |
| 4872 | 0.875 | 0.625 | 0.063 | 0.125 | 0.063 | 0.110 | 6061 | |
| 1469 | 0.875 | 0.750 | 0.062 | 0.062 | 0.031 | 0.116 | 2024 | |
| 1917 | 0.875 | 0.750 | 0.062 | 0.125 | 0.062 | 0.119 | 2024 | |
| 746 | 0.875 | 0.750 | 0.094 | 0.094 | 0.094 | 0.170 | 7075 | |
| 4187 | 0.875 | 0.750 | 0.125 | 0.063 | 0.063 | 0.223 | 6061 | |
| 5870 | 0.875 | 0.750 | 0.125 | 0.125 | 0.125 | 0.221 | 6061 | |
| 6355 | 0.875 | 0.750 | 0.125 | 0.125 | 0.125 | 0.221 | 7075 | |
| 2787 | 0.875 | 0.875 | 0.040 | 0.063 | 0.040 | 0.083 | 6061 | |
| 2794 | 0.875 | 0.875 | 0.050 | 0.063 | 0.050 | 0.102 | 2024 | |
| 1055 | 0.875 | 0.875 | 0.063 | 0.094 | 0.063 | 0.128 | 2024 | |
| 4277 | 0.875 | 0.875 | 0.070 | 0.062 | 0.070 | 0.139 | 7075 | |
| 3429 | 0.875 | 0.875 | 0.071 | 0.094 | 0.071 | 0.143 | 7075 | |
| 5575 | 0.875 | 0.875 | 0.071 | 0.094 | 0.071 | 0.143 | 7075 | |
| 3512 | 0.875 | 0.875 | 0.078 | 0.093 | 0.062 | 0.156 | 7075 | |
| 83 | 0.875 | 0.875 | 0.094 | 0.094 | 0.094 | 0.185 | 2024 | |
| 5442 | 0.875 | 0.875 | 0.125 | 0.094 | 0.125 | 0.238 | 2024 | |
| 4801 | 0.880 | 0.880 | 0.094 | 0.094 | 0.094 | 0.186 | 7075 | .031 R (TYP) |
| 2071 | 0.900 | 0.750 | 0.070 | 0.063 | 0.016 | 0.132 | 2024 | |
| 4278 | 0.920 | 0.750 | 0.050 | 0.120 | 0.030 | 0.100 | 7075 | .031 R (TYP) |
| 3538 | 0.937 | 0.500 | 0.062 | 0.062 | 0.031 | 0.103 | 7075 | |
| 1133 | 0.945 | 0.945 | 0.079 | 0.079 | 0.079 | 0.190 | 7075 | |
| 1042 | 0.998 | 0.998 | 0.078 | 0.125 | 0.078 | 0.180 | 6061 | |
| 2881 | 1.000 | 0.500 | 0.051 | 0.062 | FULL | 0.089 | 6061 | |
| 6187 | 1.000 | 0.500 | 0.060 | 0.060 | 0.030 | 0.104 | 6061 | |
| 224 | 1.000 | 0.500 | 0.063 | 0.125 | 0.063 | 0.110 | 6061 | |

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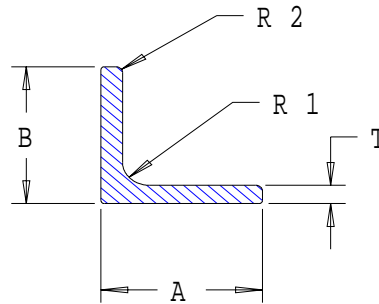
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------------------|
| 3757 | 1.000 | 0.500 | 0.063 | 0.063 | 0.031 | 0.109 | 2024 | |
| 3671 | 1.000 | 0.625 | 0.051 | 0.125 | 0.031 | 0.100 | 2024 | |
| 1107 | 1.000 | 0.625 | 0.062 | 0.125 | 0.062 | 0.119 | 2024 | |
| 2345 | 1.000 | 0.625 | 0.125 | 0.125 | 0.125 | 0.221 | 7075 | |
| 2403 | 1.000 | 0.750 | 0.040 | 0.094 | 0.047 | 0.083 | 7075 | |
| 1050 | 1.000 | 0.750 | 0.045 | 0.047 | 0.031 | 0.092 | 7075 | |
| 5648 | 1.000 | 0.750 | 0.062 | 0.062 | 0.031 | 0.126 | 7075 | |
| 55 | 1.000 | 0.750 | 0.062 | 0.125 | 0.062 | 0.127 | 7075 | |
| 2184 | 1.000 | 0.750 | 0.062 | 0.125 | 0.062 | 0.127 | 7075 | |
| 1815 | 1.000 | 0.750 | 0.070 | 0.062 | 0.031 | 0.142 | 2024 | |
| 1894 | 1.000 | 0.750 | 0.093 | 0.125 | 0.063 | 0.187 | 6061 | |
| 3549 | 1.000 | 0.750 | 0.094 | 0.125 | 0.094 | 0.186 | 2024 | |
| 5860 | 1.000 | 0.750 | 0.094 | 0.094 | 0.047 | 0.188 | 7075 | |
| 2669 | 1.000 | 0.750 | 0.102 | 0.051 | 0.062 | 0.200 | 6061 | .032 R (TYP) |
| 6473 | 1.000 | 0.750 | 0.102 | 0.063 | 0.063 | 0.200 | 7075 | |
| 2269 | 1.000 | 0.750 | 0.125 | 0.125 | 0.125 | 0.240 | 6061 | |
| 2959 | 1.000 | 0.875 | 0.063 | 0.125 | 0.063 | 0.139 | 2024 | |
| 213 | 1.000 | 0.875 | 0.080 | 0.094 | 0.062 | 0.173 | 7075 | |
| 6465 | 1.000 | 0.875 | 0.080 | 0.080 | 0.080 | 0.170 | 6061 | |
| 2337 | 1.000 | 0.875 | 0.094 | 0.125 | 0.094 | 0.200 | 2024 | |
| 6397 | 1.000 | 0.875 | 0.094 | 0.090 | 0.090 | 0.202 | 2024 | |
| 5402 | 1.000 | 0.875 | 0.125 | 0.125 | 0.125 | 0.258 | 6061 | |
| 7831 | 1.000 | 0.875 | 0.125 | 0.125 | 0.125 | 0.258 | 2024 | |
| 5437 | 1.000 | 0.930 | 0.081 | 0.125 | 0.081 | 0.180 | 7075 | .030 R ON OUTSIDE CORNER |
| 2603 | 1.000 | 1.000 | 0.050 | 0.125 | 0.031 | 0.120 | 2024 | |
| 6274 | 1.000 | 1.000 | 0.050 | 0.125 | 0.031 | 0.120 | 2024 | |
| 6302 | 1.000 | 1.000 | 0.050 | 0.075 | 0.025 | 0.118 | 6061 | |
| 6459 | 1.000 | 1.000 | 0.050 | 0.075 | 0.025 | 0.118 | 6061 | |
| 2304 | 1.000 | 1.000 | 0.062 | 0.188 | 0.062 | 0.151 | 2024 | |
| 93 | 1.000 | 1.000 | 0.062 | 0.062 | 0.031 | 0.145 | 6061 | |
| 248 | 1.000 | 1.000 | 0.062 | 0.062 | 0.031 | 0.145 | 2024 | |
| 1748 | 1.000 | 1.000 | 0.062 | 0.062 | 0.031 | 0.145 | 2024 | |
| 1916 | 1.000 | 1.000 | 0.062 | 0.062 | 0.031 | 0.145 | 7075 | |
| 874 | 1.000 | 1.000 | 0.063 | 0.125 | 0.031 | 0.150 | 7075 | |
| 3747 | 1.000 | 1.000 | 0.063 | 0.150 | 0.031 | 0.150 | 6061 | |
| 4868 | 1.000 | 1.000 | 0.063 | 0.120 | 0.063 | 0.148 | 6063 | |
| 7140 | 1.000 | 1.000 | 0.063 | 0.120 | 0.063 | 0.148 | 7075 | |
| 424 | 1.000 | 1.000 | 0.063 | 0.063 | 0.031 | 0.185 | 7075 | |
| 2482 | 1.000 | 1.000 | 0.063 | 0.063 | 0.031 | 0.185 | 2024 | |
| 5638 | 1.000 | 1.000 | 0.076 | 0.125 | 0.063 | 0.178 | 7075 | |
| 3312 | 1.000 | 1.000 | 0.080 | 0.125 | 0.080 | 0.185 | 7075 | .030 R ON OUTSIDE CORNER |
| 5869 | 1.000 | 1.000 | 0.080 | 0.125 | 0.062 | 0.186 | 7075 | |
| 6036 | 1.000 | 1.000 | 0.080 | 0.080 | 0.040 | 0.185 | 7075 | |
| 1940 | 1.000 | 1.000 | 0.094 | 0.188 | 0.094 | 0.220 | 6061 | |

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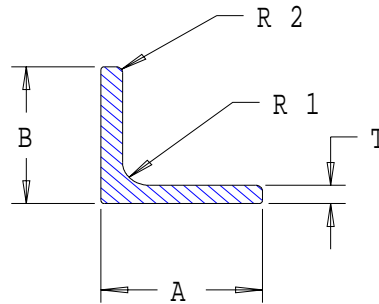
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------------------|
| 6579 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.215 | 7075 | |
| 2533 | 1.000 | 1.000 | 0.094 | 0.188 | 0.094 | 0.220 | 2024 | |
| 1940 | 1.000 | 1.000 | 0.094 | 0.188 | 0.094 | 0.220 | 6061 | |
| 1574 | 1.000 | 1.000 | 0.125 | 0.188 | 0.125 | 0.282 | 2024 | |
| 2377 | 1.000 | 1.000 | 0.125 | 0.125 | 0.094 | 0.281 | 7075 | |
| 2450 | 1.000 | 1.000 | 0.125 | 0.125 | 0.062 | 0.283 | 2024 | |
| 2662 | 1.000 | 1.000 | 0.188 | 0.125 | 0.094 | 0.408 | 2024 | |
| 6040 | 1.000 | 1.000 | 0.188 | 0.188 | 0.188 | 0.400 | 6061 | |
| 7556 | 1.000 | 1.000 | 0.250 | 0.125 | 0.094 | 0.524 | 6061 | |
| 7321 | 1.100 | 0.720 | 0.063 | 0.090 | FULL | 0.133 | 7075 | |
| 1464 | 1.100 | 0.800 | 0.040 | 0.060 | 0.040 | 0.094 | 7075 | |
| 4189 | 1.100 | 0.840 | 0.080 | 0.100 | 0.078 | 0.178 | 7075 | |
| 1054 | 1.125 | 0.625 | 0.050 | 0.063 | 0.031 | 0.102 | 7075 | |
| 1465 | 1.125 | 0.625 | 0.050 | 0.063 | 0.031 | 0.102 | 7075 | |
| 2177 | 1.125 | 0.625 | 0.063 | 0.125 | 0.063 | 0.130 | 7075 | |
| 4856 | 1.125 | 0.750 | 0.062 | 0.062 | 0.031 | 0.136 | 2024 | |
| 3531 | 1.125 | 0.750 | 0.125 | 0.125 | 0.093 | 0.262 | 6061 | |
| 8268 | 1.125 | 0.780 | 0.063 | 0.063 | 0.031 | 0.139 | 7075 | |
| 2481 | 1.125 | 0.875 | 0.063 | 0.125 | 0.063 | 0.148 | 6061 | |
| 4180 | 1.125 | 0.875 | 0.094 | 0.125 | 0.094 | 0.215 | 6061 | |
| 4080 | 1.125 | 1.125 | 0.094 | 0.188 | 0.094 | 0.248 | 6061 | |
| 3423 | 1.125 | 1.125 | 0.102 | 0.188 | 0.093 | 0.268 | 2024 | |
| 6414 | 1.140 | 1.000 | 0.090 | 0.090 | 0.090 | 0.220 | 7075 | |
| 5784 | 1.150 | 0.500 | 0.060 | 0.090 | FULL | 0.115 | 7075 | |
| 1535 | 1.188 | 1.125 | 0.062 | 0.062 | 0.062 | 0.167 | 6063 | |
| 4105 | 1.188 | 1.125 | 0.062 | 0.062 | 0.062 | 0.167 | 2024 | |
| 6932 | 1.200 | 0.960 | 0.050 | 0.060 | FULL | 0.127 | 2024 | .032 R ON OUTSIDE CORNER |
| 2970 | 1.240 | 0.980 | 0.072 | 0.120 | 0.060 | 0.190 | 7075 | |
| 6186 | 1.250 | 0.500 | 0.063 | 0.063 | 0.031 | 0.128 | 6061 | |
| 6478 | 1.250 | 0.562 | 0.075 | 0.094 | 0.031 | 0.158 | 7075 | |
| 4517 | 1.250 | 0.750 | 0.051 | 0.125 | FULL | 0.122 | 2024 | |
| 1881 | 1.250 | 0.750 | 0.063 | 0.125 | 0.063 | 0.146 | ? | |
| 4952 | 1.250 | 0.750 | 0.063 | 0.063 | 0.031 | 0.146 | 2024 | |
| 427 | 1.250 | 0.750 | 0.094 | 0.094 | 0.094 | 0.215 | 7075 | .045 R (TYP) |
| 7495 | 1.250 | 0.750 | 0.094 | 0.125 | 0.094 | 0.215 | 6061 | .031 R (TYP) |
| 4212 | 1.250 | 0.750 | 0.125 | 0.125 | 0.125 | 0.277 | 6061 | |
| 3006 | 1.250 | 0.880 | 0.072 | 0.094 | 0.040 | 0.129 | 7075 | |
| 3990 | 1.250 | 1.000 | 0.062 | 0.125 | 0.016 | 0.166 | 2024 | .030 R (TYP) |
| 1584 | 1.250 | 1.000 | 0.063 | 0.125 | 0.063 | 0.167 | 6061 | |
| 792 | 1.250 | 1.000 | 0.063 | 0.125 | 0.063 | 0.167 | 6061 | |
| 4282 | 1.250 | 1.000 | 0.080 | 0.125 | 0.063 | 0.210 | 7075 | |
| 1681 | 1.250 | 1.000 | 0.094 | 0.094 | 0.047 | 0.245 | 2024 | |
| 1959 | 1.250 | 1.000 | 0.094 | 0.094 | 0.047 | 0.244 | 6061 | |
| 80 | 1.250 | 1.000 | 0.094 | 0.125 | 0.094 | 0.243 | 7075 | |

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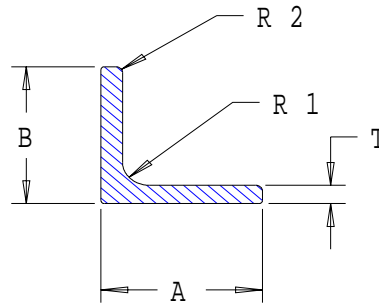
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------------------|
| 2671 | 1.250 | 1.000 | 0.094 | 0.125 | 0.094 | 0.243 | 7075 | |
| 2907 | 1.250 | 1.000 | 0.125 | 0.125 | 0.125 | 0.314 | 6061 | |
| 6019 | 1.250 | 1.000 | 0.156 | 0.125 | 0.060 | 0.394 | 7075 | .031 R (TYP) |
| 4198 | 1.250 | 1.000 | 0.188 | 0.094 | 0.063 | 0.466 | 6063 | |
| 6594 | 1.250 | 1.125 | 0.125 | 0.125 | 0.094 | 0.336 | 2024 | .031 R (TYP) |
| 3728 | 1.250 | 1.250 | 0.063 | 0.188 | 0.063 | 0.191 | 7075 | |
| 1933 | 1.250 | 1.250 | 0.075 | 0.125 | 0.038 | 0.222 | 7075 | |
| 2430 | 1.250 | 1.250 | 0.075 | 0.125 | 0.038 | 0.222 | 7075 | |
| 1933 | 1.250 | 1.250 | 0.075 | 0.125 | 0.038 | 0.222 | 7075 | |
| 1586 | 1.250 | 1.250 | 0.094 | 0.188 | 0.094 | 0.276 | 2024 | |
| 6581 | 1.250 | 1.250 | 0.094 | 0.094 | 0.047 | 0.272 | 7075 | |
| 1586 | 1.250 | 1.250 | 0.094 | 0.094 | 0.047 | 0.273 | 2024 | |
| 2413 | 1.250 | 1.250 | 0.094 | 0.094 | 0.047 | 0.273 | 2024 | |
| 4097 | 1.250 | 1.250 | 0.125 | 0.188 | 0.125 | 0.358 | 6063 | |
| 84 | 1.250 | 1.250 | 0.188 | 0.188 | 0.188 | 0.512 | 6061 | |
| 7849 | 1.250 | 1.250 | 0.250 | 0.188 | 0.250 | 0.652 | 7075 | |
| 4273 | 1.300 | 1.000 | 0.078 | 0.125 | 0.078 | 0.209 | 7075 | |
| 7058 | 1.312 | 0.875 | 0.094 | 0.125 | 0.062 | 0.238 | 2024 | |
| 3424 | 1.312 | 1.000 | 0.125 | 0.062 | 0.062 | 0.326 | 2024 | .031 R (TYP) |
| 5445 | 1.320 | 0.800 | 0.100 | 0.100 | 0.070 | 0.241 | 7075 | .031 R (TYP) |
| 3024 | 1.320 | 0.900 | 0.100 | 0.100 | 0.070 | 0.254 | 7075 | |
| 6490 | 1.320 | 1.180 | 0.125 | 0.125 | 0.070 | 0.358 | 7075 | .031 R (TYP) |
| 3699 | 1.350 | 1.240 | 0.072 | 0.120 | 0.062 | 0.220 | 2024 | .031 R (TYP) |
| 2510 | 1.375 | 0.750 | 0.050 | 0.125 | 0.031 | 0.128 | 2024 | |
| 6191 | 1.375 | 0.750 | 0.062 | 0.125 | 0.031 | 0.156 | 7075 | |
| 6457 | 1.375 | 0.750 | 0.062 | 0.125 | 0.031 | 0.157 | 7075 | |
| 3364 | 1.375 | 0.875 | 0.063 | 0.156 | 0.063 | 0.169 | 6061 | |
| 2645 | 1.375 | 0.875 | 0.094 | 0.156 | 0.094 | 0.245 | 2024 | |
| 5993 | 1.375 | 0.875 | 0.125 | 0.156 | 0.125 | 0.317 | 2024 | |
| 4271 | 1.375 | 1.000 | 0.056 | 0.094 | 0.031 | 0.157 | 7075 | |
| 4340 | 1.375 | 1.125 | 0.063 | 0.156 | 0.063 | 0.188 | 2024 | |
| 4354 | 1.375 | 1.125 | 0.094 | 0.156 | 0.094 | 0.274 | 2024 | |
| 4368 | 1.375 | 1.375 | 0.094 | 0.188 | 0.094 | 0.304 | 2024 | |
| 2367 | 1.375 | 1.375 | 0.156 | 0.188 | 0.156 | 0.482 | 6061 | |
| 3264 | 1.500 | 0.250 | 0.250 | 0.250 | 0.250 | 1.259 | 6061 | |
| 7751 | 1.500 | 0.688 | 0.062 | 0.062 | FULL | 0.158 | 6061 | .030 R ON OUTSIDE CORNER |
| 2558 | 1.500 | 0.750 | 0.063 | 0.156 | 0.063 | 0.170 | 2024 | |
| 1923 | 1.500 | 0.750 | 0.094 | 0.156 | 0.094 | 0.245 | 7075 | |
| 5542 | 1.500 | 0.750 | 0.094 | 0.094 | 0.050 | 0.245 | 2024 | |
| 1935 | 1.500 | 0.750 | 0.125 | 0.156 | 0.125 | 0.318 | 2024 | |
| 2499 | 1.500 | 0.750 | 0.125 | 0.125 | 0.062 | 0.320 | 7075 | .031 R (TYP) |
| 1935 | 1.500 | 0.750 | 0.125 | 0.156 | 0.125 | 0.318 | 2024 | .031 R (TYP) |
| 2499 | 1.500 | 0.750 | 0.125 | 0.156 | 0.125 | 0.318 | 7075 | .031 R (TYP) |
| 6494 | 1.500 | 1.000 | 0.040 | 0.094 | 0.040 | 0.120 | 2024 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

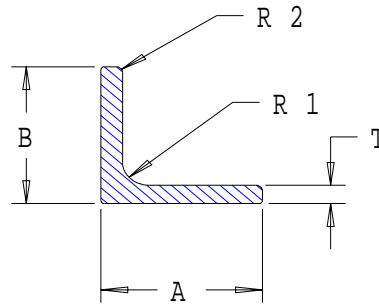
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 7101 | 1.500 | 1.000 | 0.040 | 0.094 | 0.040 | 0.120 | 2024 | |
| 2791 | 1.500 | 1.000 | 0.062 | 0.062 | 0.031 | 0.161 | 7075 | |
| 2482 | 1.500 | 1.000 | 0.063 | 0.156 | 0.063 | 0.188 | 2024 | |
| 7174 | 1.500 | 1.000 | 0.063 | 0.063 | 0.031 | 0.185 | 6061 | |
| 7649 | 1.500 | 1.000 | 0.063 | 0.156 | 0.063 | 0.188 | 7075 | |
| 7803 | 1.500 | 1.000 | 0.063 | 0.063 | 0.031 | 0.185 | 7075 | |
| 1777 | 1.500 | 1.000 | 0.072 | 0.125 | 0.072 | 0.212 | 7075 | |
| 5507 | 1.500 | 1.000 | 0.080 | 0.125 | 0.080 | 0.233 | 7075 | |
| 401 | 1.500 | 1.000 | 0.094 | 0.156 | 0.094 | 0.274 | 2024 | |
| 5613 | 1.500 | 1.000 | 0.100 | 0.125 | 0.100 | 0.287 | 7075 | |
| 4799 | 1.500 | 1.000 | 0.125 | 0.156 | 0.125 | 0.354 | 6061 | |
| 1665 | 1.500 | 1.000 | 0.156 | 0.156 | 0.156 | 0.433 | 2024 | |
| 1614 | 1.500 | 1.000 | 0.188 | 0.125 | 0.125 | 0.517 | 6061 | .031 R (TYP) |
| 6351 | 1.500 | 1.250 | 0.063 | 0.156 | 0.063 | 0.208 | 2024 | |
| 2695 | 1.500 | 1.250 | 0.070 | 0.090 | 0.070 | 0.231 | 2024 | |
| 2411 | 1.500 | 1.250 | 0.070 | 0.125 | 0.070 | 0.227 | 7075 | |
| 3463 | 1.500 | 1.250 | 0.094 | 0.125 | 0.094 | 0.299 | 7075 | |
| 3128 | 1.500 | 1.250 | 0.110 | 0.156 | 0.110 | 0.352 | 2024 | .030 R (TYP) |
| 1587 | 1.500 | 1.250 | 0.125 | 0.156 | 0.125 | 0.392 | 7075 | |
| 8046 | 1.500 | 1.250 | 0.156 | 0.156 | 0.156 | 0.479 | 6061 | |
| 2145 | 1.500 | 1.250 | 0.250 | 0.187 | 0.125 | 0.749 | 2024 | .031 R (TYP) |
| 85 | 1.500 | 1.500 | 0.063 | 0.188 | 0.063 | 0.229 | 7075 | |
| 2326 | 1.500 | 1.500 | 0.094 | 0.188 | 0.094 | 0.332 | 2024 | |
| 8192 | 1.500 | 1.500 | 0.094 | 0.188 | 0.125 | 0.331 | 6061 | |
| 8103 | 1.500 | 1.500 | 0.100 | 0.150 | 0.050 | 0.353 | 6061 | |
| 1092 | 1.500 | 1.500 | 0.125 | 0.187 | 0.125 | 0.432 | 6061 | |
| 1594 | 1.500 | 1.500 | 0.188 | 0.188 | 0.188 | 0.625 | 6061 | |
| 7196 | 1.500 | 1.500 | 0.250 | 0.187 | 0.125 | 0.826 | 6061 | |
| 8108 | 1.500 | 1.500 | 0.313 | 0.188 | 0.313 | 0.968 | 6061 | |
| 2492 | 1.600 | 1.500 | 0.071 | 0.125 | 0.030 | 0.262 | 7075 | |
| 3760 | 1.625 | 0.875 | 0.094 | 0.156 | 0.094 | 0.274 | 6061 | |
| 5782 | 1.625 | 0.875 | 0.094 | 0.094 | 0.125 | 0.269 | 7075 | .031 R (TYP) |
| 2257 | 1.625 | 0.875 | 0.156 | 0.156 | 0.156 | 0.433 | 2024 | |
| 3501 | 1.625 | 1.000 | 0.094 | 0.090 | 0.060 | 0.206 | 6061 | |
| 5666 | 1.625 | 1.000 | 0.094 | 0.090 | 0.060 | 0.286 | 7075 | |
| 7553 | 1.625 | 1.375 | 0.094 | 0.156 | 0.094 | 0.330 | 6061 | |
| 2981 | 1.625 | 1.625 | 0.125 | 0.188 | 0.125 | 0.469 | 6061 | |
| 2636 | 1.700 | 0.950 | 0.063 | 0.125 | 0.063 | 0.198 | 2024 | |
| 2383 | 1.700 | 1.000 | 0.070 | 0.090 | 0.070 | 0.221 | 2024 | |
| 6310 | 1.700 | 1.000 | 0.070 | 0.090 | 0.070 | 0.221 | 7075 | .031 R (TYP) |
| 3597 | 1.700 | 1.340 | 1.000 | 0.090 | 0.090 | 0.352 | 7075 | .031 R (TYP) |
| 1952 | 1.750 | 0.375 | 0.062 | 0.062 | 0.062 | 0.152 | 7075 | |
| 1776 | 1.750 | 0.750 | 0.094 | 0.125 | 0.094 | 0.271 | 2024 | |
| 3000 | 1.750 | 0.875 | 0.094 | 0.125 | 0.094 | 0.286 | 7075 | |

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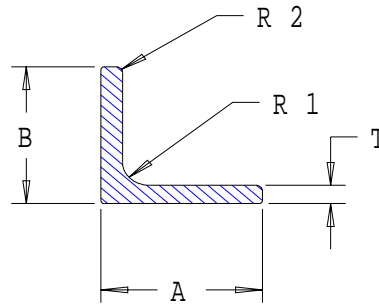
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------------------|
| 3129 | 1.750 | 1.000 | 0.056 | 0.120 | 0.050 | 0.184 | 7075 | .030 R ON OUTSIDE CORNER |
| 4866 | 1.750 | 1.000 | 0.063 | 0.120 | 0.050 | 0.205 | 6063 | .020 R (TYP) |
| 3819 | 1.750 | 1.000 | 0.080 | 0.094 | 0.062 | 0.257 | 6061 | |
| 2577 | 1.750 | 1.000 | 0.094 | 0.156 | 0.094 | 0.301 | 6061 | |
| 2578 | 1.750 | 1.000 | 0.094 | 0.156 | 0.094 | 0.301 | 2024 | |
| 5707 | 1.750 | 1.000 | 0.094 | 0.094 | 0.047 | 0.300 | 2024 | |
| 7547 | 1.750 | 1.000 | 0.094 | 0.156 | 0.094 | 0.301 | 7075 | |
| 722 | 1.750 | 1.250 | 0.125 | 0.156 | 0.125 | 0.430 | 2024 | |
| 5849 | 1.750 | 1.250 | 0.125 | 0.188 | 0.125 | 0.432 | 7075 | |
| 2870 | 1.750 | 1.500 | 0.094 | 0.156 | 0.094 | 0.358 | 2024 | |
| 4004 | 1.750 | 1.500 | 0.094 | 0.094 | 0.047 | 0.356 | 6061 | |
| 1186 | 1.750 | 1.500 | 0.125 | 0.188 | 0.125 | 0.692 | 6061 | |
| 86 | 1.750 | 1.500 | 0.125 | 0.156 | 0.125 | 0.467 | 2024 | |
| 87 | 1.750 | 1.500 | 0.156 | 0.156 | 0.156 | 0.574 | 6061 | |
| 1596 | 1.750 | 1.500 | 0.156 | 0.156 | 0.156 | 0.574 | 7075 | |
| 2803 | 1.750 | 1.500 | 0.188 | 0.188 | 0.125 | 0.691 | 6061 | |
| 2271 | 1.750 | 1.750 | 0.094 | 0.250 | 0.094 | 0.396 | 6061 | |
| 5262 | 1.750 | 1.750 | 0.094 | 0.094 | FULL | 0.384 | 6061 | .039 R (TYP) |
| 5467 | 1.750 | 1.750 | 0.094 | 0.125 | 0.062 | 0.385 | 2024 | .031 R (TYP) |
| 7259 | 1.750 | 1.750 | 0.094 | 0.250 | 0.094 | 0.396 | 6061 | |
| 7462 | 1.750 | 1.750 | 0.125 | 0.188 | 0.125 | 0.508 | 6061 | |
| 6573 | 1.750 | 1.750 | 0.188 | 0.188 | 0.125 | 0.748 | 6061 | |
| 7586 | 1.750 | 1.750 | 0.188 | 0.250 | 0.188 | 0.745 | 6063 | |
| 7312 | 1.750 | 1.750 | 0.250 | 0.250 | 0.250 | 0.959 | 6061 | |
| 2549 | 1.873 | 0.998 | 0.078 | 0.125 | 0.078 | 0.262 | 2024 | |
| 4236 | 1.873 | 0.998 | 0.078 | 0.125 | 0.078 | 0.262 | 6061 | |
| 2277 | 1.875 | 0.875 | 0.094 | 0.094 | 0.031 | 0.301 | 6061 | |
| 2323 | 1.997 | 1.497 | 0.100 | 0.130 | 0.106 | 0.406 | 7075 | |
| 3596 | 2.000 | 1.000 | 0.062 | 0.062 | 0.031 | 0.218 | 7075 | |
| 5822 | 2.000 | 1.000 | 0.062 | 0.188 | 0.031 | 0.227 | 2024 | |
| 5456 | 2.000 | 1.000 | 0.125 | 0.125 | 0.062 | 0.418 | 2024 | .250 R ON OUTSIDE CORNER |
| 6559 | 2.000 | 1.000 | 0.125 | 0.156 | 0.125 | 0.430 | 6061 | |
| 7901 | 2.000 | 1.000 | 0.156 | 0.156 | 0.156 | 0.526 | 6061 | |
| 2704 | 2.000 | 1.000 | 0.250 | 0.188 | 0.125 | 0.824 | 6063 | .031 R (TYP) |
| 2809 | 2.000 | 1.250 | 0.094 | 0.090 | 0.090 | 0.352 | 7075 | .030 R (TYP) |
| 6455 | 2.000 | 1.250 | 0.125 | 0.188 | 0.125 | 0.470 | 6061 | .031 R (TYP) |
| 4817 | 2.000 | 1.250 | 0.156 | 0.188 | 0.156 | 0.576 | 6061 | .031 R (TYP) |
| 6580 | 2.000 | 1.250 | 0.188 | 0.188 | 0.125 | 0.691 | 6061 | |
| 7550 | 2.000 | 1.250 | 0.188 | 0.188 | 0.188 | 0.682 | 6061 | |
| 3008 | 2.000 | 1.375 | 0.078 | 0.188 | 0.078 | 0.314 | 6061 | |
| 96 | 2.000 | 1.500 | 0.125 | 0.188 | 0.125 | 0.508 | ? | |
| 2550 | 2.000 | 1.500 | 0.188 | 0.188 | 0.188 | 0.738 | 2024 | |
| 7367 | 2.000 | 1.500 | 0.250 | 0.188 | 0.250 | 0.952 | 6061 | |
| 1725 | 2.000 | 1.750 | 0.188 | 0.188 | 0.188 | 0.794 | 6061 | |

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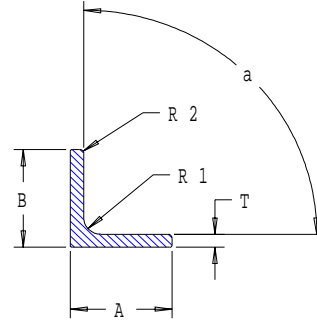
ANGLE R1,R2



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 2301 | 2.000 | 2.000 | 0.094 | 0.250 | 0.094 | 0.452 | 7075 | |
| 70 | 2.000 | 2.000 | 0.125 | 0.250 | 0.125 | 0.589 | 6061 | |
| 7895 | 2.000 | 2.000 | 0.156 | 0.156 | 0.156 | 0.714 | 6061 | |
| 4155 | 2.000 | 2.000 | 0.188 | 0.250 | 0.188 | 0.858 | 6063 | |
| 5603 | 2.000 | 2.000 | 0.188 | 0.125 | 0.125 | 0.856 | 6063 | |
| 6245 | 2.000 | 2.000 | 0.250 | 0.250 | 0.125 | 1.133 | 6061 | .030 R (TYP) |
| 7791 | 2.000 | 2.000 | 0.250 | 0.250 | 0.250 | 1.109 | 6061 | |
| 3305 | 2.188 | 1.000 | 0.063 | 0.063 | 0.063 | 0.235 | 6061 | |
| 8011 | 2.188 | 1.000 | 0.063 | 0.063 | 0.063 | 0.235 | 6061 | |
| 5388 | 2.200 | 1.300 | 0.060 | 0.120 | FULL | 0.251 | 7075 | |
| 2788 | 2.200 | 1.750 | 0.125 | 0.125 | 0.125 | 0.570 | 7075 | .031 R (TYP) |
| 3082 | 2.250 | 0.750 | 0.094 | 0.094 | 0.031 | 0.329 | 6061 | .031 R (TYP) |
| 3357 | 2.250 | 1.250 | 0.156 | 0.188 | 0.156 | 0.623 | 6061 | .031 R (TYP) |
| 5100 | 2.250 | 1.500 | 0.188 | 0.250 | 0.188 | 0.802 | 6061 | |
| 1682 | 2.500 | 1.000 | 0.070 | 0.120 | 0.070 | 0.290 | 7075 | |
| 8282 | 2.500 | 1.000 | 0.078 | 0.125 | 0.032 | 0.324 | 6061 | |
| 1715 | 2.500 | 1.000 | 0.125 | 0.188 | 0.094 | 0.511 | 7075 | |
| 2842 | 2.500 | 1.250 | 0.062 | 0.094 | 0.062 | 0.275 | 2024 | |
| 4576 | 2.500 | 1.500 | 0.125 | 0.188 | 0.094 | 0.586 | 6061 | |
| 6904 | 2.500 | 1.750 | 0.188 | 0.188 | 0.188 | 0.907 | 6061 | .031 R (TYP) |
| 1547 | 2.500 | 2.000 | 0.156 | 0.250 | 0.156 | 0.800 | ? | .031 R (TYP) |
| 6874 | 2.500 | 2.000 | 0.188 | 0.250 | 0.188 | 0.971 | 6061 | |
| 8149 | 2.500 | 2.000 | 0.250 | 0.250 | 0.125 | 1.238 | 6061 | |
| 7938 | 2.500 | 2.250 | 0.156 | 0.250 | 0.156 | 0.864 | 6061 | |
| 94 | 2.500 | 2.500 | 0.125 | 0.250 | 0.125 | 0.740 | ? | .031 R (TYP) |
| 3301 | 2.625 | 0.875 | 0.125 | 0.094 | 0.062 | 0.506 | 7075 | .031 R (TYP) |
| 7833 | 3.000 | 1.500 | 0.188 | 0.250 | 0.188 | 0.971 | 6061 | |
| 5725 | 3.000 | 2.000 | 0.188 | 0.188 | 0.250 | 1.084 | 6061 | .031 R (TYP) |
| 3354 | 3.500 | 1.625 | 0.125 | 0.125 | 0.062 | 0.751 | 6061 | .031 R (TYP) |

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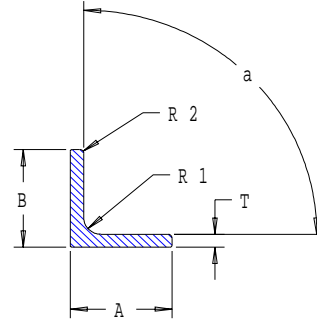
ANGLE OTHER THAN 90 DEGREES



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | a ANGLE | EST. WT. PER FT. | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|---------|------------------|-------------------|
| 3808 | 0.531 | 0.354 | 0.074 | 0.010 | 0.020 | 84.0 | 0.072 | 6063 |
| 2329 | 0.583 | 0.360 | 0.059 | 0.010 | 0.010 | 100.0 | 0.071 | 6063 |
| 2330 | 0.591 | 0.315 | 0.059 | 0.010 | 0.010 | 100.0 | 0.068 | 6063 |
| 2249 | 0.650 | 0.472 | 0.056 | 0.010 | 0.010 | 114.0 | 0.080 | 6063 |
| 6884 | 0.680 | 0.620 | 0.040 | 0.090 | 0.020 | 86.6 | 0.062 | 2024 .020 R (TYP) |
| 350 | 0.710 | 0.670 | 0.040 | 0.100 | 0.010 | 87.8 | 0.072 | ? |
| 5473 | 0.750 | 0.640 | 0.100 | 0.050 | 0.025 | 92.0 | 0.156 | 6061 |
| 2195 | 0.750 | 0.750 | 0.042 | 0.063 | 0.016 | 78.4 | 0.075 | 2024 |
| 2786 | 0.750 | 0.750 | 0.042 | 0.063 | 0.016 | 78.2 | 0.063 | 6061 |
| 5657 | 0.750 | 0.750 | 0.046 | 0.046 | 0.016 | 93.5 | 0.080 | 2024 |
| 6574 | 0.750 | 0.750 | 0.065 | 0.125 | 0.010 | 86.5 | 0.116 | 2024 |
| 2894 | 0.800 | 0.800 | 0.070 | 0.120 | 0.010 | 86.0 | 0.132 | 7075 |
| 2923 | 0.850 | 0.750 | 0.050 | 0.060 | 0.016 | 89.8 | 0.091 | 7075 |
| 2344 | 0.860 | 0.800 | 0.062 | 0.100 | 0.016 | 91.7 | 0.122 | 2024 |
| 2710 | 0.875 | 0.750 | 0.063 | 0.090 | 0.031 | 124.0 | 0.120 | 2024 .031 R (TYP) |
| 2990 | 0.875 | 0.750 | 0.063 | 0.090 | 0.031 | 107.0 | 0.119 | 2024 .031 R (TYP) |
| 3223 | 0.880 | 0.750 | 0.076 | 0.125 | 0.031 | 85.4 | 0.145 | 2024 |
| 4240 | 0.900 | 0.625 | 0.060 | 0.062 | 0.010 | 81.0 | 0.106 | 7075 |
| 4983 | 0.900 | 0.750 | 0.085 | 0.063 | 0.010 | 91.0 | 0.169 | 6061 |
| 416 | 0.930 | 0.810 | 0.040 | 0.120 | 0.016 | 87.3 | 0.083 | 7075 |
| 4261 | 0.930 | 0.900 | 0.063 | 0.090 | 0.025 | 105.4 | 0.136 | 7075 .025 R (TYP) |
| 2720 | 0.937 | 0.750 | 0.050 | 0.062 | 0.050 | 93.3 | 0.101 | 7075 |
| 5462 | 0.950 | 0.850 | 0.075 | 0.125 | 0.075 | 101.5 | 0.157 | 2024 .031 R (TYP) |
| 3714 | 1.000 | 0.749 | 0.062 | 0.125 | 0.031 | 88.3 | 0.125 | 2024 |
| 1948 | 1.000 | 0.750 | 0.093 | 0.100 | 0.062 | 91.5 | 0.185 | 7075 |
| 2185 | 1.000 | 0.750 | 0.063 | 0.090 | 0.016 | 96.8 | 0.130 | 7075 |
| 3194 | 1.000 | 0.750 | 0.062 | 0.125 | 0.062 | 98.5 | 0.128 | 2024 |
| 4474 | 1.000 | 0.750 | 0.040 | 0.090 | 0.020 | 120.0 | 0.083 | 2024 |
| 5714 | 1.000 | 0.750 | 0.070 | 0.062 | 0.062 | 80.5 | 0.139 | 7075 |
| 5940 | 1.000 | 0.750 | 0.065 | 0.125 | 0.016 | 86.5 | 0.136 | 7075 |
| 2904 | 1.000 | 0.850 | 0.064 | 0.125 | 0.031 | 85.5 | 0.140 | 2024 .031 R (TYP) |
| 4101 | 1.000 | 0.875 | 0.093 | 0.125 | 0.093 | 83.0 | 0.199 | 2024 |
| 5682 | 1.000 | 0.900 | 0.081 | 0.125 | 0.031 | 85.5 | 0.180 | 7075 .031 R (TYP) |
| 608 | 1.000 | 1.000 | 0.050 | 0.050 | 0.016 | 95.0 | 0.119 | 2024 |
| 2311 | 1.000 | 1.000 | 0.094 | 0.190 | 0.090 | 85.5 | 0.220 | 7075 |
| 3146 | 1.000 | 1.000 | 0.076 | 0.125 | 0.063 | 81.0 | 0.178 | 7075 |
| 3228 | 1.000 | 1.000 | 0.050 | 0.093 | 0.016 | 86.0 | 0.120 | 7075 |
| 3624 | 1.000 | 1.000 | 0.063 | 0.094 | 0.063 | 85.0 | 0.146 | 7075 |
| 4041 | 1.000 | 1.000 | 0.062 | 0.125 | 0.062 | 83.5 | 0.148 | 2024 |
| 4157 | 1.000 | 1.000 | 0.063 | 0.063 | 0.031 | 96.6 | 0.146 | 2024 |
| 5216 | 1.000 | 1.000 | 0.062 | 0.062 | 0.032 | 86.5 | 0.144 | 2024 |
| 5265 | 1.000 | 1.000 | 0.062 | 0.125 | 0.031 | 100.0 | 0.146 | 2024 |
| 5474 | 1.000 | 1.000 | 0.050 | 0.050 | 0.016 | 95.0 | 0.119 | 2024 |
| 5882 | 1.000 | 1.000 | 0.094 | 0.125 | 0.031 | 93.0 | 0.215 | 7075 |
| 5953 | 1.000 | 1.000 | 0.094 | 0.125 | 0.016 | 100.0 | 0.220 | 7075 |

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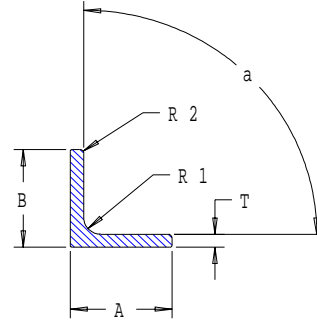
ANGLE OTHER THAN 90 DEGREES



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | a ANGLE | EST. WT. PER FT. | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|---------|------------------|-------------------|
| 6101 | 1.000 | 1.000 | 0.063 | 0.094 | 0.063 | 95.0 | 0.146 | 7075 |
| 6613 | 1.000 | 1.000 | 0.063 | 0.125 | 0.050 | 97.5 | 0.149 | 2024 |
| 6644 | 1.000 | 1.000 | 0.110 | 0.093 | 0.016 | 95.0 | 0.252 | 7075 |
| 6689 | 1.000 | 1.000 | 0.062 | 0.125 | 0.031 | 110.0 | 0.146 | 2024 .031 R (TYP) |
| 6962 | 1.000 | 1.000 | 0.060 | 0.090 | 0.016 | 98.0 | 0.142 | 7075 |
| 7139 | 1.000 | 1.000 | 0.062 | 0.062 | 0.031 | 93.0 | 0.145 | 7075 |
| 7187 | 1.000 | 1.000 | 0.050 | 0.120 | 0.050 | 70.0 | 0.125 | 6061 |
| 734 | 1.020 | 0.860 | 0.042 | 0.062 | 0.016 | 83.4 | 0.094 | 7075 |
| 514 | 1.040 | 0.940 | 0.070 | 0.120 | 0.031 | 112.4 | 0.163 | 7075 .031 R (TYP) |
| 3553 | 1.050 | 1.000 | 0.060 | 0.090 | 0.016 | 117.0 | 0.145 | 2024 |
| 4270 | 1.050 | 1.000 | 0.063 | 0.102 | 0.016 | 106.0 | 0.152 | 7075 |
| 3013 | 1.050 | 1.050 | 0.125 | 0.125 | 0.016 | 109.9 | 0.307 | 7075 |
| 3380 | 1.050 | 1.050 | 0.050 | 0.120 | 0.050 | 97.0 | 0.125 | 2024 |
| 6360 | 1.060 | 1.000 | 0.110 | 0.120 | 0.031 | 88.6 | 0.260 | 6061 .031 R (TYP) |
| 6514 | 1.063 | 0.875 | 0.064 | 0.063 | 0.063 | 77.0 | 0.143 | 2024 |
| 3867 | 1.080 | 1.000 | 0.051 | 0.090 | 0.016 | 79.5 | 0.126 | 7075 |
| 2328 | 1.120 | 1.000 | 0.070 | 0.125 | 0.031 | 107.8 | 0.175 | 7075 .031 R (TYP) |
| 5615 | 1.120 | 1.120 | 0.125 | 0.090 | 0.010 | 106.0 | 0.323 | 7075 |
| 6371 | 1.125 | 0.750 | 0.070 | 0.090 | 0.031 | 98.0 | 0.152 | 7075 .031 R (TYP) |
| 5856 | 1.130 | 1.130 | 0.094 | 0.125 | 0.016 | 101.5 | 0.248 | 7075 |
| 5747 | 1.140 | 1.030 | 0.063 | 0.130 | FULL | 61.5 | 0.170 | 2024 .032 R (TYP) |
| 6058 | 1.150 | 1.000 | 0.100 | 0.125 | 0.016 | 93.6 | 0.250 | 2024 |
| 6278 | 1.160 | 1.000 | 0.071 | 0.125 | 0.031 | 86.5 | 0.181 | 2024 .031 R (TYP) |
| 5754 | 1.180 | 1.130 | 0.060 | 0.090 | 0.016 | 119.0 | 0.164 | 2024 |
| 6612 | 1.190 | 0.820 | 0.072 | 0.125 | 0.031 | 87.0 | 0.172 | 2024 .031 R (TYP) |
| 1196 | 1.200 | 0.750 | 0.040 | 0.080 | 0.010 | 76.0 | 0.094 | 6061 |
| 1319 | 1.200 | 0.750 | 0.040 | 0.080 | 0.010 | 76.0 | 0.093 | 6063 |
| 7406 | 1.200 | 0.750 | 0.064 | 0.060 | 0.010 | 100.5 | 0.146 | 2024 |
| 5757 | 1.240 | 1.000 | 0.064 | 0.120 | 0.016 | 95.3 | 0.170 | 7075 |
| 7069 | 1.250 | 0.750 | 0.070 | 0.100 | 0.030 | 87.0 | 0.163 | 7075 .030 R (TYP) |
| 3294 | 1.250 | 1.000 | 0.094 | 0.125 | 0.016 | 95.4 | 0.247 | 7075 |
| 3319 | 1.250 | 1.000 | 0.072 | 0.125 | 0.031 | 114.0 | 0.179 | 7075 |
| 3491 | 1.250 | 1.000 | 0.094 | 0.094 | 0.047 | 94.0 | 0.245 | 7075 |
| 5263 | 1.250 | 1.000 | 0.062 | 0.062 | 0.062 | 80.0 | 0.162 | 2024 |
| 5419 | 1.250 | 1.000 | 0.156 | 0.125 | 0.010 | 115.0 | 0.403 | 6061 |
| 5982 | 1.250 | 1.000 | 0.094 | 0.125 | 0.094 | 75.0 | 0.244 | 7075 |
| 471 | 1.250 | 1.125 | 0.062 | 0.125 | 0.010 | 86.0 | 0.182 | 2024 |
| 5443 | 1.250 | 1.125 | 0.064 | 0.125 | 0.010 | 83.3 | 0.182 | 7075 |
| 6184 | 1.250 | 1.125 | 0.062 | 0.125 | 0.031 | 87.0 | 0.175 | 7075 .031 R (TYP) |
| 2912 | 1.250 | 1.150 | 0.094 | 0.094 | 0.016 | 70.0 | 0.260 | 7075 |
| 1767 | 1.250 | 1.250 | 0.094 | 0.094 | 0.016 | 83.0 | 0.270 | 7075 |
| 2673 | 1.250 | 1.250 | 0.125 | 0.187 | 0.125 | 94.0 | 0.356 | 2024 |
| 4415 | 1.250 | 1.250 | 0.070 | 0.090 | 0.031 | 104.0 | 0.205 | 7075 |
| 5785 | 1.250 | 1.250 | 0.125 | 0.156 | 0.125 | 82.0 | 0.355 | 7075 |
| 5842 | 1.250 | 1.250 | 0.050 | 0.120 | 0.016 | 102.5 | 0.150 | 7075 |

Unless Noted, all Shapes are "No Exposed Surfaces"

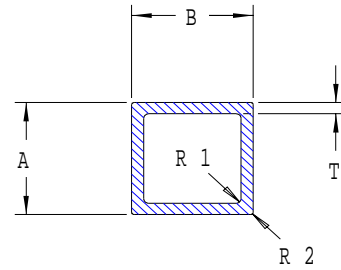
ANGLE OTHER THAN 90 DEGREES



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | a ANGLE | EST. WT. PER FT. | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|---------|------------------|-------------------|
| 6319 | 1.250 | 1.250 | 0.071 | 0.160 | 0.016 | 111.0 | 0.211 | 2024 |
| 6034 | 1.300 | 1.000 | 0.094 | 0.094 | 0.016 | 110.0 | 0.253 | 7075 |
| 7250 | 1.310 | 0.660 | 0.060 | 0.090 | 0.010 | 84.0 | 0.139 | 7075 |
| 6032 | 1.320 | 0.750 | 0.051 | 0.090 | 0.016 | 71.0 | 0.127 | 7075 |
| 2067 | 1.320 | 0.830 | 0.051 | 0.090 | 0.010 | 99.3 | 0.131 | 7075 |
| 2887 | 1.400 | 1.000 | 0.070 | 0.090 | 0.031 | 91.4 | 0.190 | 7075 .031 R (TYP) |
| 4653 | 1.400 | 1.250 | 0.063 | 0.188 | 0.030 | 84.0 | 0.206 | 7075 .030 R (TYP) |
| 6069 | 1.420 | 1.050 | 0.100 | 0.120 | 0.031 | 93.2 | 0.287 | 6061 .031 R (TYP) |
| 3988 | 1.420 | 1.180 | 0.063 | 0.125 | 0.031 | 72.1 | 0.196 | 7075 .031 R (TYP) |
| 5976 | 1.450 | 1.000 | 0.120 | 0.090 | 0.120 | 109.0 | 0.334 | 2024 |
| 2905 | 1.500 | 1.000 | 0.125 | 0.125 | 0.016 | 95.0 | 0.353 | 2024 |
| 4369 | 1.500 | 1.000 | 0.125 | 0.125 | 0.094 | 76.0 | 0.354 | 7075 |
| 3147 | 1.500 | 1.250 | 0.094 | 0.156 | 0.090 | 94.5 | 0.301 | 7075 |
| 3088 | 1.500 | 1.300 | 0.112 | 0.120 | 0.031 | 93.5 | 0.364 | 7075 .031 R (TYP) |
| 5889 | 1.500 | 1.500 | 0.125 | 0.125 | 0.125 | 92.0 | 0.427 | 7075 |
| 6963 | 1.560 | 0.780 | 0.050 | 0.094 | 0.016 | 95.0 | 0.139 | 7075 |
| 6140 | 1.580 | 0.960 | 0.100 | 0.120 | 0.016 | 83.4 | 0.296 | 2024 |
| 169 | 1.600 | 0.750 | 0.050 | 0.060 | 0.016 | 91.5 | 0.139 | 7075 |
| 2493 | 1.625 | 1.250 | 0.063 | 0.130 | 0.016 | 85.0 | 0.218 | 2024 |
| 1964 | 1.625 | 1.281 | 0.094 | 0.120 | 0.016 | 84.0 | 0.320 | 2024 |
| 5079 | 1.690 | 1.260 | 0.098 | 0.118 | 0.016 | 102.2 | 0.340 | 7075 |
| 5954 | 1.700 | 1.120 | 0.100 | 0.120 | 0.090 | 89.3 | 0.325 | 7075 .020 R (TYP) |
| 6757 | 1.700 | 1.120 | 0.156 | 0.125 | 0.125 | 86.5 | 0.493 | 7075 |
| 3037 | 1.750 | 1.000 | 0.094 | 0.125 | 0.094 | 78.0 | 0.299 | 7075 |
| 7295 | 1.750 | 1.250 | 0.125 | 0.187 | 0.125 | 87.0 | 0.433 | 6061 |
| 3246 | 1.750 | 1.750 | 0.094 | 0.094 | 0.016 | 95.0 | 0.386 | 2024 |
| 5450 | 1.760 | 0.980 | 0.110 | 0.125 | 0.032 | 96.0 | 0.350 | 7075 .032 R (TYP) |
| 3443 | 1.800 | 1.700 | 0.072 | 0.120 | 0.032 | 81.5 | 0.300 | 7075 .032 R (TYP) |
| 3086 | 1.880 | 1.500 | 0.093 | 0.125 | 0.093 | 85.0 | 0.366 | 7075 |
| 3261 | 1.880 | 1.810 | 0.064 | 0.125 | 0.016 | 93.7 | 0.282 | 7075 |
| 3253 | 2.000 | 1.500 | 0.125 | 0.125 | 0.125 | 98.0 | 0.504 | 2024 |
| 6197 | 2.000 | 1.500 | 0.060 | 0.120 | 0.016 | 91.5 | 0.251 | 7075 |
| 3317 | 2.200 | 1.000 | 0.050 | 0.080 | 0.016 | 92.5 | 0.191 | 2024 |
| 5783 | 2.200 | 1.450 | 0.080 | 0.156 | 0.016 | 81.0 | 0.350 | 7075 |
| 5688 | 2.400 | 1.000 | 0.063 | 0.120 | 0.031 | 82.5 | 0.256 | 2024 .031 R (TYP) |
| 1962 | 2.680 | 1.520 | 0.072 | 0.125 | 0.031 | 73.0 | 0.362 | 7075 .031 R (TYP) |

Unless Noted, all Shapes are "No Exposed Surfaces"

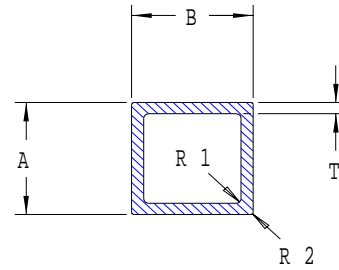
RECTANGULAR TUBING



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|----------|
| 3659 | 0.237 | 1.143 | 0.030 | 0.020 | 0.020 | 0.094 | 6063 | |
| 5335 | 0.250 | 0.500 | 0.040 | 0.015 | 0.010 | 0.065 | 6063 | |
| 6433 | 0.264 | 0.732 | 0.020 | 0.031 | 0.031 | 0.046 | 6061 | |
| 301 | 0.270 | 0.900 | 0.045 | 0.010 | 0.010 | 0.117 | 6061 | |
| 5642 | 0.280 | 1.040 | 0.040 | 0.031 | 0.071 | 0.120 | 6063 | |
| 2378 | 0.375 | 0.750 | 0.049 | 0.000 | 0.000 | 0.000 | 6061 | |
| 5357 | 0.391 | 0.702 | 0.040 | 0.016 | 0.016 | 0.097 | 6063 | |
| 4922 | 0.414 | 2.418 | 0.064 | 0.039 | 0.039 | 0.415 | 6063 | |
| 5208 | 0.421 | 0.796 | 0.023 | 0.031 | 0.054 | 0.062 | 6063 | |
| 5121 | 0.450 | 1.000 | 0.060 | 0.030 | 0.020 | 0.192 | 6061 | |
| 5379 | 0.475 | 0.850 | 0.050 | 0.031 | 0.081 | 0.148 | 6063 | |
| 331 | 0.500 | 0.664 | 0.062 | 0.060 | 0.016 | 0.158 | 6061 | |
| 5003 | 0.500 | 0.750 | 0.035 | 0.016 | 0.054 | 0.097 | 6061 | |
| 14 | 0.500 | 1.000 | 0.035 | 0.010 | 0.010 | 0.120 | 6063 | |
| 2435 | 0.500 | 1.000 | 0.040 | 0.010 | 0.010 | 0.139 | 6061 | |
| 1714 | 0.500 | 1.000 | 0.050 | 0.010 | 0.010 | 0.168 | 6063 | |
| 3810 | 0.500 | 1.000 | 0.125 | 0.020 | 0.030 | 0.374 | 6061 | |
| 7121 | 0.500 | 1.000 | 0.125 | 0.010 | 0.010 | 0.376 | 6063 | |
| 5814 | 0.500 | 1.500 | 0.062 | 0.010 | 0.010 | 0.280 | 6061 | |
| 3697 | 0.562 | 1.750 | 0.049 | 0.107 | 0.156 | 0.247 | 6063 | |
| 2141 | 0.580 | 1.350 | 0.035 | 0.030 | 0.065 | 0.153 | 6061 | |
| 8059 | 0.625 | 1.125 | 0.060 | 0.096 | 0.156 | 0.220 | 6061 | |
| 2363 | 0.625 | 1.250 | 0.064 | 0.031 | 0.023 | 0.268 | 6063 | |
| 3940 | 0.625 | 1.500 | 0.045 | 0.049 | 0.094 | 0.214 | 6061 | |
| 8060 | 0.625 | 1.750 | 0.060 | 0.313 | 0.253 | 0.289 | 6061 | |
| 6729 | 0.638 | 1.148 | 0.064 | 0.010 | 0.010 | 0.254 | 6061 | |
| 3212 | 0.640 | 0.678 | 0.019 | 0.050 | 0.070 | 0.058 | 6061 | |
| 2976 | 0.677 | 0.639 | 0.019 | 0.020 | 0.035 | 0.059 | 6061 | |
| 7736 | 0.690 | 1.000 | 0.050 | 0.030 | 0.010 | 0.192 | 6061 | |
| 7057 | 0.750 | 1.000 | 0.050 | 0.050 | 0.100 | 0.191 | 6061 | |
| 3941 | 0.750 | 1.500 | 0.058 | 0.036 | 0.094 | 0.289 | 6061 | |
| 5336 | 0.750 | 1.500 | 0.064 | 0.031 | 0.031 | 0.326 | 6063 | |
| 3520 | 0.844 | 1.771 | 0.032 | 0.031 | 0.015 | 0.206 | 6061 | |
| 5334 | 0.923 | 1.718 | 0.064 | 0.031 | 0.010 | 0.386 | 6063 | |
| 2220 | 1.000 | 1.500 | 0.035 | 0.010 | 0.010 | 0.204 | 6063 | |
| 1789 | 1.000 | 2.000 | 0.064 | 0.010 | 0.010 | 0.442 | 6063 | |
| 2298 | 1.000 | 2.000 | 0.125 | 0.010 | 0.010 | 0.825 | 6063 | |
| 6002 | 1.000 | 2.688 | 0.050 | 0.050 | 0.030 | 0.432 | 6061 | |
| 3742 | 1.125 | 2.125 | 0.125 | 0.125 | 0.010 | 0.916 | 6061 | |
| 5995 | 1.125 | 2.687 | 0.058 | 0.255 | 0.313 | 0.480 | 6061 | |
| 6955 | 1.172 | 2.172 | 0.150 | 0.010 | 0.010 | 1.096 | 6063 | |
| 5892 | 1.187 | 2.187 | 0.095 | 0.155 | 0.250 | 0.686 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

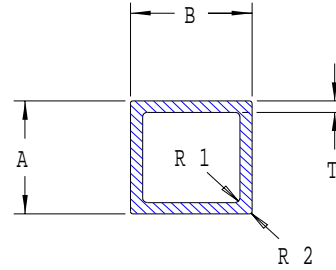
RECTANGULAR TUBING



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|----------|
| 8322 | 1.250 | 1.750 | 0.250 | 0.010 | 0.010 | 1.500 | 6061 | |
| 6280 | 1.250 | 2.500 | 0.120 | 0.120 | 0.060 | 1.022 | 6061 | |
| 5472 | 1.250 | 2.500 | 0.125 | 0.010 | 0.010 | 1.050 | 6063 | |
| 5337 | 1.273 | 2.418 | 0.064 | 0.047 | 0.047 | 0.547 | 6063 | |
| 3938 | 1.300 | 1.600 | 0.050 | 0.106 | 0.156 | 0.323 | 6061 | |
| 2438 | 1.400 | 2.620 | 0.050 | 0.020 | 0.010 | 0.470 | 6063 | |
| 210 | 1.500 | 2.000 | 0.100 | 0.190 | 0.031 | 0.828 | 6061 | |
| 3106 | 1.500 | 3.000 | 0.080 | 0.030 | 0.010 | 0.834 | 6063 | |
| 3641 | 1.586 | 1.201 | 0.083 | 0.015 | 0.035 | 0.521 | 6061 | |
| 2079 | 1.720 | 2.438 | 0.190 | 0.125 | 0.315 | 1.636 | 6063 | |
| 2221 | 1.720 | 2.448 | 0.190 | 0.125 | 0.315 | 1.641 | 6063 | |
| 7171 | 1.860 | 2.815 | 0.125 | 0.010 | 0.010 | 1.327 | 6063 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

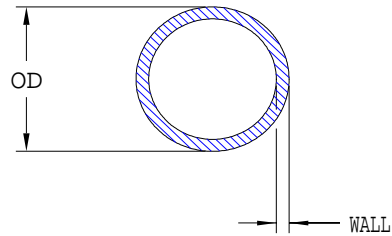
SQUARE TUBING



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|----------|
| 4838 | 0.500 | 0.500 | 0.058 | 0.020 | 0.020 | 0.124 | 6061 | |
| 7746 | 0.500 | 0.500 | 0.082 | 0.010 | 0.010 | 0.164 | 6061 | |
| 5122 | 0.710 | 0.710 | 0.050 | 0.030 | 0.020 | 0.158 | 6061 | |
| 5008 | 0.750 | 0.750 | 0.048 | 0.047 | 0.031 | 0.163 | 6063 | |
| 6546 | 0.750 | 0.750 | 0.048 | 0.047 | 0.031 | 0.163 | 6063 | |
| 3863 | 0.750 | 0.750 | 0.065 | 0.020 | 0.050 | 0.211 | 6061 | |
| 6675 | 0.750 | 0.750 | 0.125 | 0.015 | 0.015 | 0.376 | 6063 | |
| 7603 | 1.000 | 1.000 | 0.125 | 0.125 | 0.010 | 0.541 | 6061 | |
| 3741 | 1.125 | 1.125 | 0.150 | 0.125 | 0.010 | 0.718 | 6061 | |
| 917 | 1.250 | 1.250 | 0.125 | 0.016 | 0.032 | 0.675 | 6063 | |
| 7368 | 1.500 | 1.500 | 0.125 | 0.125 | 0.010 | 0.841 | 6061 | |
| 6727 | 1.600 | 1.600 | 0.050 | 0.016 | 0.016 | 0.372 | 6063 | |
| 769 | 1.750 | 1.750 | 0.125 | 0.010 | 0.010 | 0.975 | 6061 | |
| 1461 | 2.000 | 2.000 | 0.078 | 0.125 | 0.016 | 0.736 | 6061 | |
| 3277 | 2.375 | 2.375 | 0.080 | 0.010 | 0.010 | 0.881 | 6061 | |

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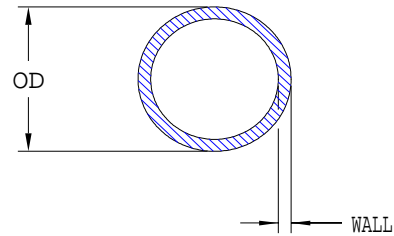
EXTRUDED TUBE



| DIE NO. | O.D. | WALL INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|-------|-------------|------------------|----------|----------|
| 7680 | 0.125 | 0.014 | 0.006 | 6063 | |
| 3881 | 0.156 | 0.062 | 0.022 | 6061 | |
| 6550 | 0.176 | 0.038 | 0.019 | 6061 | |
| 4424 | 0.179 | 0.037 | 0.020 | 6061 | |
| 3790 | 0.187 | 0.069 | 0.031 | 6061 | |
| 4989 | 0.188 | 0.035 | 0.020 | 6061 | |
| 6536 | 0.188 | 0.030 | 0.018 | 6063 | |
| 7585 | 0.195 | 0.041 | 0.024 | 6061 | |
| 7706 | 0.228 | 0.030 | 0.022 | 6061 | |
| 7402 | 0.248 | 0.059 | 0.040 | 6061 | |
| 7010 | 0.250 | 0.083 | 0.053 | 6061 | |
| 7799 | 0.250 | 0.035 | 0.029 | 6061 | |
| 1311 | 0.297 | 0.030 | 0.030 | 6061 | |
| 3894 | 0.312 | 0.049 | 0.048 | 6063 | |
| 8181 | 0.312 | 0.030 | 0.032 | 6063 | |
| 6476 | 0.313 | 0.071 | 0.065 | 6061 | |
| 8159 | 0.313 | 0.058 | 0.055 | 6061 | |
| 4531 | 0.320 | 0.035 | 0.037 | 6061 | |
| 2395 | 0.365 | 0.059 | 0.068 | 6061 | |
| 5184 | 0.375 | 0.120 | 0.115 | 6061 | |
| 6333 | 0.375 | 0.157 | 0.128 | 6061 | |
| 7374 | 0.375 | 0.113 | 0.112 | 6061 | |
| 8077 | 0.375 | 0.049 | 0.060 | 6061 | |
| 1181 | 0.386 | 0.038 | 0.050 | 6061 | |
| 5811 | 0.390 | 0.156 | 0.138 | 6061 | |
| 2752 | 0.394 | 0.028 | 0.039 | 6061 | |
| 3817 | 0.394 | 0.035 | 0.047 | 6061 | |
| 6286 | 0.422 | 0.066 | 0.089 | 6061 | |
| 1418 | 0.437 | 0.140 | 0.157 | 6061 | |
| 6601 | 0.438 | 0.083 | 0.110 | 6061 | |
| 5238 | 0.445 | 0.183 | 0.181 | 6061 | |
| 1938 | 0.500 | 0.035 | 0.061 | 6061 | |
| 2150 | 0.500 | 0.058 | 0.096 | 6061 | |
| 3637 | 0.500 | 0.045 | 0.077 | 6013 25% | |
| 1182 | 0.513 | 0.037 | 0.066 | 6061 | |
| 1833 | 0.540 | 0.072 | 0.126 | 6063 | |
| 3098 | 0.550 | 0.045 | 0.086 | 6061 10% | |
| 1902 | 0.625 | 0.035 | 0.078 | 6061 | |
| 2925 | 0.625 | 0.189 | 0.306 | 6061 | |
| 4134 | 0.625 | 0.065 | 0.137 | 7005 | |
| 5819 | 0.625 | 0.049 | 0.107 | 6063 | |
| 1313 | 0.637 | 0.030 | 0.068 | 6061 | |
| 5973 | 0.650 | 0.050 | 0.113 | 7093 5% | |
| 5360 | 0.710 | 0.050 | 0.125 | 6061 | |
| 7454 | 0.710 | 0.056 | 0.125 | 6061 | |
| 2926 | 0.750 | 0.225 | 0.445 | 6061 | |
| 3591 | 0.750 | 0.045 | 0.120 | 6061 10% | |

Unless Noted, all Shapes are "No Exposed Surfaces"

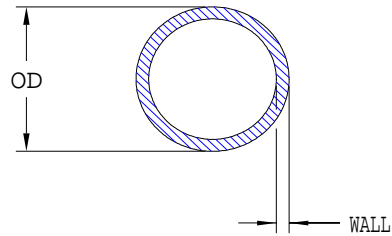
EXTRUDED TUBE



| DIE NO. | O.D. | WALL INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|-------|-------------|------------------|---------------|----------|
| 3608 | 0.750 | 0.030 | 0.081 | XT120 10% | |
| 4124 | 0.750 | 0.060 | 0.156 | 6061 | |
| 4419 | 0.750 | 0.040 | 0.107 | 6061 | |
| 4476 | 0.750 | 0.045 | 0.120 | 6061 10% | |
| 4869 | 0.750 | 0.050 | 0.144 | 6113 B4C 15 % | |
| 5651 | 0.750 | 0.028 | 0.077 | 6061 | |
| 5675 | 0.750 | 0.245 | 0.467 | 6061 | |
| 7293 | 0.750 | 0.065 | 0.168 | 6061 | |
| 7339 | 0.750 | 0.055 | 0.144 | 6063 | |
| 3893 | 0.765 | 0.247 | 0.481 | 6061 | |
| 6666 | 0.785 | 0.073 | 0.196 | 6061 | |
| 4698 | 0.790 | 0.265 | 0.524 | 1100 | |
| 7583 | 0.802 | 0.060 | 0.168 | 6061 | |
| 1013 | 0.812 | 0.030 | 0.088 | 6061 | |
| 2205 | 0.875 | 0.040 | 0.124 | 6061 | |
| 2376 | 0.875 | 0.085 | 0.253 | 6061 10 % | |
| 2816 | 0.875 | 0.060 | 0.185 | 6061 | |
| 4123 | 0.875 | 0.070 | 0.212 | 7005 | |
| 4398 | 0.875 | 0.040 | 0.126 | WELDALITE 049 | |
| 4418 | 0.875 | 0.045 | 0.140 | WELDALITE 049 | |
| 4928 | 0.875 | 0.110 | 0.317 | 6061 10% | |
| 7340 | 0.875 | 0.055 | 0.170 | 6092 | |
| 7673 | 0.937 | 0.049 | 0.162 | 6063 | |
| 4699 | 0.940 | 0.340 | 0.769 | 1100 | |
| 3674 | 0.945 | 0.080 | 0.261 | 6063 | |
| 6669 | 0.945 | 0.063 | 0.210 | 6069 | |
| 425 | 1.000 | 0.078 | 0.271 | 6061 10% | |
| 2204 | 1.000 | 0.045 | 0.162 | 6061 | |
| 2498 | 1.000 | 0.157 | 0.496 | 6061 | |
| 4518 | 1.000 | 0.047 | 0.169 | WELDALITE 049 | |
| 4553 | 1.000 | 0.065 | 0.229 | 6061 | |
| 4564 | 1.000 | 0.060 | 0.212 | 6061 10% | |
| 2610 | 1.010 | 0.050 | 0.181 | 6061 25%-35% | |
| 6867 | 1.016 | 0.089 | 0.311 | 6061 | |
| 2609 | 1.040 | 0.150 | 0.503 | 6061 25%-35% | |
| 5111 | 1.052 | 0.075 | 0.276 | 6092 17.5% | |
| 4948 | 1.060 | 0.075 | 0.278 | 6092 17.5% | |
| 5016 | 1.068 | 0.075 | 0.281 | 6092 17.5% | |
| 5017 | 1.076 | 0.063 | 0.236 | 6092 17.5% | |
| 4250 | 1.077 | 0.040 | 0.156 | WELDALITE 049 | |
| 2445 | 1.125 | 0.048 | 0.195 | 6061 10% | |
| 3025 | 1.125 | 0.044 | 0.179 | 6061 | |
| 3321 | 1.125 | 0.049 | 0.199 | 6061 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

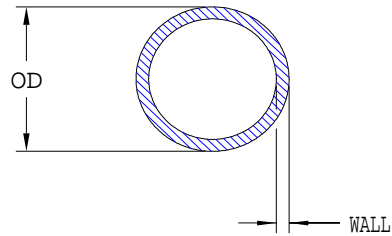
EXTRUDED TUBE



| DIE NO. | O.D. | WALL INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|-------|-------------|------------------|---------------|----------|
| 3846 | 1.125 | 0.083 | 0.326 | 6061 | |
| 6107 | 1.125 | 0.067 | 0.268 | 6061 | |
| 8115 | 1.125 | 0.087 | 0.341 | 6069 | |
| 3050 | 1.135 | 0.041 | 0.169 | 6061 | |
| 5779 | 1.145 | 0.125 | 0.601 | 6063 | |
| 8069 | 1.180 | 0.051 | 0.217 | 6069 | |
| 7168 | 1.186 | 0.045 | 0.193 | 6061 | |
| 5110 | 1.241 | 0.063 | 0.277 | 6092 17.5% | |
| 2478 | 1.245 | 0.040 | 0.180 | 6061 10% | |
| 5015 | 1.249 | 0.063 | 0.280 | 6092 17.5% | |
| 2446 | 1.250 | 0.050 | 0.226 | 6061 10% | |
| 3322 | 1.250 | 0.049 | 0.222 | XT140 | |
| 3975 | 1.250 | 0.120 | 0.502 | 6061 | |
| 4205 | 1.250 | 0.085 | 0.373 | 6061 / 7005 | |
| 4676 | 1.250 | 0.093 | 0.403 | 2219 | |
| 4708 | 1.250 | 0.055 | 0.247 | 6061 10% | |
| 4792 | 1.250 | 0.050 | 0.226 | 6013-B4C 15% | |
| 4475 | 1.260 | 0.050 | 0.220 | 6061 10% | |
| 8088 | 1.290 | 0.088 | 0.398 | 6061 | |
| 8277 | 1.306 | 0.083 | 0.383 | 6069 | |
| 4483 | 1.313 | 0.067 | 0.314 | 6061 10% | |
| 4488 | 1.313 | 0.052 | 0.247 | 7005 | |
| 4421 | 1.340 | 0.055 | 0.266 | WELDALITE 049 | |
| 4119 | 1.375 | 0.065 | 0.322 | 6069 | |
| 4237 | 1.375 | 0.072 | 0.354 | 7005 10% | |
| 4675 | 1.375 | 0.111 | 0.529 | 2219 | |
| 4709 | 1.375 | 0.049 | 0.245 | 6061 10% | |
| 4732 | 1.375 | 0.060 | 0.298 | 6113 B4C 15 % | |
| 5030 | 1.375 | 0.057 | 0.283 | 6092 B4C 15% | |
| 7341 | 1.375 | 0.055 | 0.274 | 6092 | |
| 8027 | 1.380 | 0.113 | 0.538 | 6063 | |
| 3323 | 1.391 | 0.063 | 0.316 | XT140 | |
| 2994 | 1.400 | 0.060 | 0.304 | 6061 10% | |
| 4422 | 1.400 | 0.115 | 0.557 | 6061 | |
| 8132 | 1.400 | 0.065 | 0.328 | 6069 | |
| 5128 | 1.410 | 0.108 | 0.530 | 6061 | |
| 2358 | 1.425 | 0.333 | 1.369 | 6061 10% | |
| 2814 | 1.500 | 0.160 | 0.806 | 6061 | |
| 4485 | 1.500 | 0.072 | 0.388 | 6061 10% | |
| 4486 | 1.500 | 0.062 | 0.336 | 6061 10% | |
| 4490 | 1.500 | 0.062 | 0.336 | 7005 | |
| 4617 | 1.500 | 0.057 | 0.310 | WELDALITE 049 | |
| 4618 | 1.500 | 0.052 | 0.284 | WELDALITE 049 | |
| 5165 | 1.500 | 0.068 | 0.367 | 6061 10% | |
| 5200 | 1.500 | 0.050 | 0.274 | 6013 B4C 15% | |
| 5201 | 1.500 | 0.060 | 0.325 | 6013 B4C 15% | |

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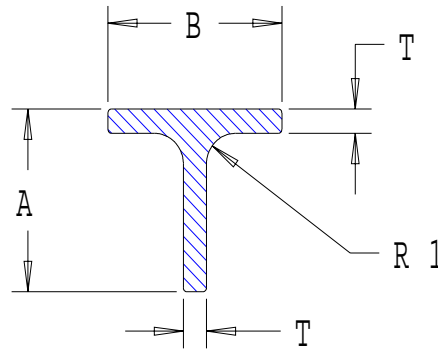
EXTRUDED TUBE



| DIE NO. | O.D. | WALL INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|-------|-------------|------------------|---------------|----------|
| 7342 | 1.500 | 0.055 | 0.300 | 6092 | |
| 8087 | 1.500 | 0.095 | 0.503 | 6061 | |
| 8114 | 1.500 | 0.103 | 0.542 | 6069 | |
| 1854 | 1.546 | 0.650 | 2.172 | 6063 | |
| 3590 | 1.550 | 0.060 | 0.337 | 6061 10% | |
| 3818 | 1.587 | 0.125 | 0.714 | 7005 | |
| 2813 | 1.625 | 0.158 | 0.874 | 6061 | |
| 4420 | 1.625 | 0.072 | 0.421 | WELDALITE 049 | |
| 4491 | 1.625 | 0.062 | 0.365 | 7005 | |
| 4918 | 1.625 | 0.120 | 0.680 | 6061 | |
| 8273 | 1.625 | 0.079 | 0.461 | 6069 | |
| 5705 | 1.645 | 0.125 | 0.718 | 6063 | |
| 4303 | 1.650 | 0.180 | 0.998 | 6061 | |
| 4122 | 1.655 | 0.144 | 0.802 | 7005 | |
| 8089 | 1.690 | 0.095 | 0.571 | 6061 | |
| 2447 | 1.700 | 0.070 | 0.430 | 6113 B4C 15 % | |
| 5031 | 1.700 | 0.057 | 0.353 | 6092 B4C 15% | |
| 4120 | 1.750 | 0.075 | 0.474 | 7005 | |
| 4121 | 1.750 | 0.152 | 0.913 | 7005 | |
| 4487 | 1.750 | 0.072 | 0.522 | 6061 10% | |
| 8068 | 1.750 | 0.059 | 0.376 | 6069 | |
| 2278 | 1.770 | 0.122 | 0.752 | 6063 | |
| 4484 | 1.875 | 0.078 | 0.522 | 6061 10% | |
| 4489 | 1.875 | 0.072 | 0.490 | 7005 | |
| 4616 | 1.875 | 0.067 | 0.457 | WELDALITE 049 | |
| 8086 | 1.875 | 0.083 | 0.560 | 6061 | |
| 8291 | 1.879 | 0.089 | 0.600 | 6069 | |
| 1117 | 1.930 | 0.112 | 0.768 | 6063 | |
| 2276 | 2.000 | 0.040 | 0.296 | 2124 25% | |
| 3554 | 2.000 | 0.070 | 0.509 | 6013 25% | |
| 8142 | 2.000 | 0.087 | 0.628 | 6069 | |
| 8271 | 2.165 | 0.074 | 0.583 | 6069 | |
| 2516 | 2.238 | 0.102 | 0.821 | 6061 10% | |
| 2292 | 2.250 | 0.085 | 0.694 | 6061 10% | |
| 3483 | 2.250 | 0.065 | 0.535 | XT110 / XT120 | |
| 3484 | 2.250 | 0.075 | 0.614 | XT110 / XT120 | |
| 8276 | 2.250 | 0.083 | 0.678 | 6069 | |
| 8207 | 2.435 | 0.086 | 0.762 | 6069 | |

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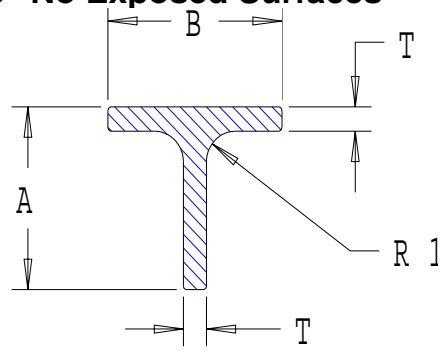
**TEE
R1**



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 7517 | 0.500 | 1.000 | 0.062 | 0.062 | 0.109 | 6061 | |
| 4311 | 0.532 | 1.625 | 0.094 | 0.015 | 0.233 | 6063 | |
| 5901 | 0.563 | 1.000 | 0.062 | 0.062 | 0.113 | 2024 | |
| 5928 | 0.563 | 1.000 | 0.062 | 0.062 | 0.113 | 6061 | |
| 7128 | 0.563 | 1.000 | 0.062 | 0.062 | 0.113 | 2024 | |
| 8288 | 0.625 | 0.500 | 0.063 | 0.063 | 0.082 | 6061 | |
| 1912 | 0.625 | 1.500 | 0.050 | 0.095 | 0.128 | 2024 | |
| 1960 | 0.650 | 1.200 | 0.050 | 0.050 | 0.108 | 6061 | |
| 5283 | 0.670 | 1.500 | 0.044 | 0.062 | 0.114 | 7075 | |
| 3038 | 0.680 | 2.100 | 0.070 | 0.120 | 0.235 | 6061 | |
| 6283 | 0.700 | 1.000 | 0.062 | 0.060 | 0.124 | 6061 | |
| 2792 | 0.709 | 1.378 | 0.055 | 0.118 | 0.141 | 7075 | |
| 4072 | 0.720 | 1.800 | 0.063 | 0.120 | 0.193 | 7075 | |
| 2106 | 0.750 | 1.500 | 0.050 | 0.125 | 0.140 | 7075 | |
| 2571 | 0.750 | 1.500 | 0.060 | 0.094 | 0.136 | 2024 | .025 R (TYP) |
| 2594 | 0.750 | 1.500 | 0.040 | 0.125 | 0.114 | 2024 | |
| 7614 | 0.750 | 1.750 | 0.050 | 0.062 | 0.149 | 7075 | |
| 5047 | 0.750 | 2.000 | 0.051 | 0.094 | 0.169 | 2024 | |
| 2129 | 0.750 | 2.075 | 0.040 | 0.090 | 0.138 | 7075 | |
| 2540 | 0.787 | 0.630 | 0.063 | 0.063 | 0.104 | 6061 | |
| 6171 | 0.787 | 1.575 | 0.063 | 0.063 | 0.175 | 7075 | |
| 1708 | 0.800 | 1.500 | 0.040 | 0.060 | 0.110 | 7075 | |
| 4170 | 0.812 | 1.500 | 0.050 | 0.094 | 0.140 | 7075 | |
| 5292 | 0.812 | 1.750 | 0.050 | 0.094 | 0.155 | 7075 | |
| 6717 | 0.812 | 1.875 | 0.050 | 0.094 | 0.163 | 2024 | |
| 8274 | 0.813 | 1.500 | 0.063 | 0.063 | 0.172 | 2024 | |
| 1914 | 0.870 | 1.540 | 0.040 | 0.120 | 0.121 | 2024 | |
| 1950 | 0.870 | 1.540 | 0.040 | 0.120 | 0.121 | 2024 | |
| 7551 | 0.875 | 1.250 | 0.125 | 0.010 | 0.300 | 6061 | |
| 4822 | 0.875 | 1.375 | 0.125 | 0.125 | 0.325 | 6061 | .032 R (TYP) |
| 2606 | 0.875 | 1.650 | 0.050 | 0.093 | 0.154 | 7075 | |
| 6391 | 0.875 | 2.500 | 0.062 | 0.125 | 0.254 | 2024 | |
| 7724 | 0.880 | 1.250 | 0.050 | 0.062 | 0.126 | 2024 | .025 R (TYP) |
| 7932 | 0.984 | 1.575 | 0.079 | 0.079 | 0.236 | 6061 | |
| 6629 | 0.984 | 1.772 | 0.047 | 0.098 | 0.157 | 7075 | |
| 6461 | 1.000 | 1.000 | 0.040 | 0.060 | 0.096 | 2024 | |
| 5029 | 1.000 | 1.250 | 0.050 | 0.093 | 0.136 | 7075 | |
| 6897 | 1.000 | 1.250 | 0.040 | 0.064 | 0.170 | 7075 | |
| 7631 | 1.000 | 1.250 | 0.187 | 0.010 | 0.463 | 6061 | |

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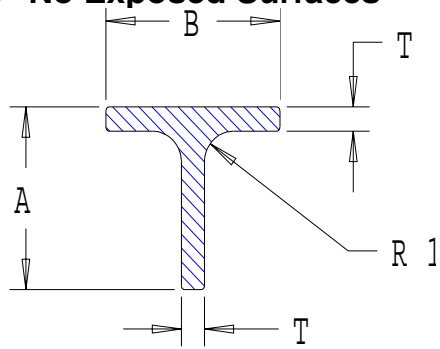
TEE R1



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 2369 | 1.000 | 1.500 | 0.050 | 0.050 | 0.148 | 2024 | |
| 2552 | 1.000 | 1.500 | 0.050 | 0.050 | 0.148 | 2024 | |
| 6575 | 1.000 | 1.500 | 0.125 | 0.125 | 0.364 | 2024 | |
| 6323 | 1.000 | 1.562 | 0.062 | 0.094 | 0.190 | 6061 | |
| 2193 | 1.000 | 1.600 | 0.040 | 0.090 | 0.127 | 7075 | |
| 2548 | 1.000 | 1.600 | 0.040 | 0.090 | 0.127 | 2024 | |
| 5052 | 1.000 | 1.620 | 0.060 | 0.120 | 0.191 | 7075 | |
| 2596 | 1.000 | 1.700 | 0.050 | 0.090 | 0.143 | 7075 | |
| 1926 | 1.000 | 1.875 | 0.050 | 0.094 | 0.174 | 2024 | |
| 3142 | 1.000 | 2.000 | 0.094 | 0.094 | 0.332 | 7075 | |
| 5559 | 1.000 | 2.000 | 0.060 | 0.100 | 0.216 | 7075 | .030 R (TYP) |
| 7379 | 1.000 | 2.000 | 0.063 | 0.063 | 0.223 | 6061 | |
| 7411 | 1.000 | 2.380 | 0.060 | 0.060 | 0.240 | 2024 | |
| 5477 | 1.000 | 2.750 | 0.062 | 0.094 | 0.278 | 2024 | |
| 6774 | 1.000 | 2.750 | 0.062 | 0.094 | 0.278 | 6061 | |
| 7163 | 1.000 | 3.062 | 0.125 | 0.094 | 0.595 | 6061 | |
| 4404 | 1.024 | 1.969 | 0.059 | 0.118 | 0.215 | 7075 | |
| 1978 | 1.060 | 1.620 | 0.050 | 0.060 | 0.158 | 2024 | .020 R (TYP) |
| 1845 | 1.100 | 2.000 | 0.080 | 0.125 | 0.296 | 7075 | .031 R (TYP) |
| 5533 | 1.100 | 3.500 | 0.055 | 0.090 | 0.304 | 6063 | |
| 8121 | 1.125 | 1.125 | 0.062 | 0.062 | 0.163 | 6061 | .031 R (TYP) |
| 4171 | 1.130 | 2.000 | 0.050 | 0.090 | 0.188 | 7075 | |
| 2602 | 1.130 | 2.880 | 0.081 | 0.070 | 0.386 | 7075 | .031 R (TYP) |
| 6356 | 1.156 | 1.000 | 0.062 | 0.062 | 0.157 | 6061 | |
| 2532 | 1.200 | 1.680 | 0.045 | 0.064 | 0.155 | 2024 | |
| 6495 | 1.200 | 2.000 | 0.063 | 0.125 | 0.244 | 7075 | .030 R (TYP) |
| 6646 | 1.200 | 2.200 | 0.050 | 0.094 | 0.205 | 7075 | |
| 7393 | 1.250 | 1.000 | 0.125 | 0.016 | 0.318 | 6063 | |
| 6512 | 1.250 | 1.250 | 0.050 | 0.094 | 0.151 | 7075 | |
| 4182 | 1.250 | 2.000 | 0.100 | 0.090 | 0.382 | 2024 | .025 R (TYP) |
| 4982 | 1.250 | 2.000 | 0.064 | 0.125 | 0.252 | 7075 | |
| 6296 | 1.250 | 2.000 | 0.080 | 0.125 | 0.312 | 7075 | |
| 6628 | 1.250 | 2.000 | 0.050 | 0.125 | 0.199 | 2024 | .025 R (TYP) |
| 4385 | 1.250 | 2.380 | 0.063 | 0.125 | 0.277 | 7075 | |
| 6480 | 1.260 | 1.575 | 0.079 | 0.079 | 0.264 | 2024 | .020 R (TYP) |
| 1904 | 1.350 | 1.540 | 0.040 | 0.120 | 0.144 | ? | |
| 2392 | 1.350 | 1.540 | 0.050 | 0.120 | 0.178 | 7075 | |
| 4639 | 1.375 | 1.750 | 0.063 | 0.094 | 0.235 | 7075 | |
| 5431 | 1.400 | 2.310 | 0.064 | 0.094 | 0.284 | 2024 | |
| 3193 | 1.450 | 2.450 | 0.050 | 0.060 | 0.232 | 2024 | |

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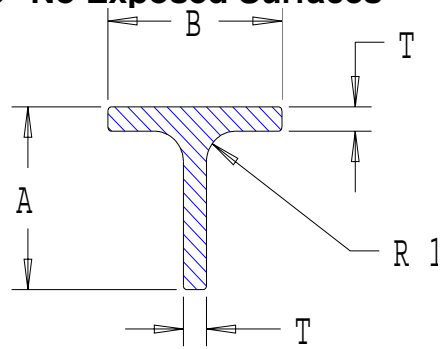
**TEE
R1**



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 1728 | 1.500 | 1.500 | 0.064 | 0.125 | 0.234 | 7075 | |
| 6687 | 1.500 | 1.500 | 0.060 | 0.094 | 0.216 | 2024 | .020 R (TYP) |
| 5583 | 1.500 | 1.750 | 0.062 | 0.125 | 0.245 | 6061 | |
| 5321 | 1.500 | 2.000 | 0.078 | 0.125 | 0.328 | 7075 | |
| 6475 | 1.500 | 2.000 | 0.063 | 0.063 | 0.260 | 2024 | .031 R (TYP) |
| 6543 | 1.500 | 2.000 | 0.050 | 0.125 | 0.215 | 2024 | |
| 5517 | 1.500 | 2.250 | 0.050 | 0.094 | 0.226 | 2024 | |
| 2670 | 1.500 | 2.500 | 0.064 | 0.060 | 0.304 | 6061 | |
| 8259 | 1.500 | 2.500 | 0.064 | 0.060 | 0.304 | 2024 | |
| 6576 | 1.550 | 1.250 | 0.050 | 0.094 | 0.169 | 2024 | |
| 6557 | 1.575 | 2.480 | 0.063 | 0.063 | 0.304 | 2024 | |
| 7699 | 1.600 | 1.100 | 0.060 | 0.060 | 0.192 | 7075 | |
| 4740 | 1.600 | 1.770 | 0.050 | 0.094 | 0.203 | 7075 | .020 R (TYP) |
| 4668 | 1.600 | 2.090 | 0.070 | 0.094 | 0.308 | 7075 | |
| 7689 | 1.600 | 2.300 | 0.062 | 0.090 | 0.289 | 7075 | |
| 5855 | 1.625 | 1.250 | 0.125 | 0.016 | 0.413 | 6061 | |
| 5617 | 1.630 | 1.875 | 0.040 | 0.125 | 0.174 | 7075 | .020 R (TYP) |
| 5645 | 1.660 | 2.062 | 0.062 | 0.188 | 0.289 | 7075 | .031 R (TYP) |
| 6925 | 1.680 | 2.040 | 0.140 | 0.060 | 0.602 | 6061 | |
| 1675 | 1.700 | 1.860 | 0.060 | 0.090 | 0.256 | ? | |
| 4102 | 1.750 | 1.250 | 0.062 | 0.060 | 0.220 | 2024 | |
| 6118 | 1.750 | 1.625 | 0.085 | 0.093 | 0.340 | 2024 | |
| 2616 | 1.750 | 1.700 | 0.070 | 0.125 | 0.296 | 2024 | |
| 2770 | 1.750 | 1.750 | 0.125 | 0.125 | 0.513 | 6061 | .031 R (TYP) |
| 5466 | 1.750 | 1.875 | 0.094 | 0.125 | 0.406 | 2024 | |
| 7401 | 1.750 | 2.000 | 0.040 | 0.094 | 0.182 | 7075 | |
| 5339 | 1.750 | 2.200 | 0.070 | 0.125 | 0.332 | 7075 | .031 R (TYP) |
| 1942 | 1.750 | 2.250 | 0.062 | 0.062 | 0.294 | 2024 | |
| 5532 | 1.750 | 2.460 | 0.080 | 0.120 | 0.402 | 7075 | .031 R (TYP) |
| 5600 | 1.750 | 2.460 | 0.080 | 0.120 | 0.402 | 7075 | .031 R (TYP) |
| 7102 | 1.750 | 3.150 | 0.125 | 0.120 | 0.722 | 6061 | .030 R (TYP) |
| 6082 | 1.800 | 1.300 | 0.050 | 0.120 | 0.190 | 7075 | |
| 2025 | 1.800 | 2.550 | 0.050 | 0.094 | 0.263 | ? | |
| 2274 | 1.800 | 2.550 | 0.050 | 0.094 | 0.263 | 7075 | |
| 8048 | 1.850 | 1.600 | 0.050 | 0.125 | 0.211 | 6061 | |
| 3992 | 1.875 | 2.250 | 0.188 | 0.125 | 0.896 | 6061 | |
| 4654 | 1.875 | 3.000 | 0.080 | 0.125 | 0.467 | 6061 | .031 R (TYP) |
| 1720 | 1.900 | 1.840 | 0.040 | 0.090 | 0.180 | 2024 | |
| 7785 | 1.937 | 1.299 | 0.250 | 0.010 | 0.895 | 6063 | |
| 4235 | 2.000 | 1.375 | 0.093 | 0.062 | 0.367 | 7075 | |

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**TEE
R1**

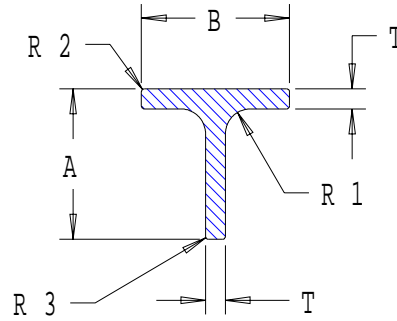


| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|------------------|-------|--------------|
| 7387 | 2.000 | 1.875 | 0.125 | 0.125 | 0.569 | 6061 | .031 R (TYP) |
| 2306 | 2.000 | 2.000 | 0.094 | 0.156 | 0.453 | 2024 | |
| 7172 | 2.000 | 2.000 | 0.125 | 0.016 | 0.581 | 6061 | |
| 2560 | 2.000 | 2.225 | 0.070 | 0.094 | 0.356 | 2024 | |
| 6263 | 2.000 | 2.250 | 0.062 | 0.188 | 0.329 | 2024 | .031 R (TYP) |
| 4452 | 2.000 | 2.440 | 0.094 | 0.125 | 0.498 | 7075 | |
| 7509 | 2.000 | 2.440 | 0.040 | 0.125 | 0.218 | 2024 | |
| 7484 | 2.000 | 2.500 | 0.250 | 0.250 | 1.307 | 6061 | |
| 7723 | 2.000 | 2.500 | 0.250 | 0.016 | 1.274 | 6061 | |
| 6554 | 2.120 | 1.750 | 0.071 | 0.125 | 0.340 | 7075 | .035 R (TYP) |
| 2780 | 2.120 | 2.120 | 0.063 | 0.125 | 0.323 | 2024 | |
| 6500 | 2.125 | 1.500 | 0.060 | 0.094 | 0.260 | 2024 | .030 R (TYP) |
| 5975 | 2.190 | 2.400 | 0.064 | 0.130 | 0.356 | 7075 | |
| 3841 | 2.250 | 1.950 | 0.050 | 0.062 | 0.251 | 2024 | |
| 3064 | 2.250 | 2.240 | 0.100 | 0.125 | 0.533 | 6061 | .032 R (TYP) |
| 5195 | 2.250 | 2.500 | 0.065 | 0.130 | 0.374 | 6061 | |
| 4384 | 2.500 | 1.750 | 0.091 | 0.125 | 0.462 | 6061 | |
| 7438 | 2.500 | 2.000 | 0.090 | 0.125 | 0.481 | 6061 | .045 R (TYP) |
| 6366 | 2.500 | 2.250 | 0.063 | 0.120 | 0.360 | 6061 | .031 R (TYP) |
| 1922 | 2.540 | 2.480 | 0.063 | 0.377 | 0.062 | 7075 | |
| 7595 | 2.625 | 2.375 | 0.080 | 0.125 | 0.480 | 6061 | |
| 8119 | 3.000 | 1.500 | 0.188 | 0.010 | 0.971 | 6061 | |
| 7776 | 3.000 | 2.000 | 0.150 | 0.130 | 0.881 | 6061 | |
| 7893 | 3.000 | 2.000 | 0.094 | 0.156 | 0.565 | 6061 | |
| 5099 | 3.000 | 3.000 | 0.125 | 0.150 | 0.893 | 6061 | |
| 7304 | 3.500 | 2.000 | 0.125 | 0.125 | 0.815 | 6061 | |

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Tees

R1, R2, R3

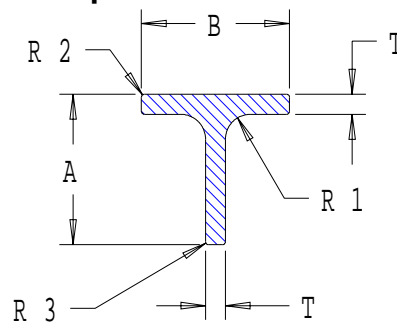


| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | R3 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|-----------|------------------|-------|--------------|
| 1872 | 1.250 | 2.500 | 0.094 | 0.125 | 0.094 | FULL | 0.415 | 2024 | |
| 1666 | 1.000 | 2.000 | 0.125 | 0.125 | 0.125 | 0.062 | 0.430 | 6061 | |
| 1542 | 0.625 | 1.250 | 0.050 | 0.094 | 0.050 | 0.025 | 0.112 | ? | |
| 1985 | 1.000 | 1.750 | 0.063 | 0.090 | 0.030 | 0.030 | 0.206 | 2024 | |
| 1991 | 1.375 | 1.750 | 0.156 | 0.125 | 0.156 | 0.078 | 0.548 | 6061 | .031 R (TYP) |
| 2066 | 1.625 | 1.750 | 0.094 | 0.125 | 0.094 | 0.047 | 0.372 | 6061 | |
| 2352 | 1.870 | 1.640 | 0.060 | 0.078 | FULL | FULL | 0.250 | 7075 | |
| 2371 | 0.800 | 0.360 | 0.050 | 0.060 | FULL | FULL | 0.067 | 7075 | |
| 2409 | 1.800 | 1.700 | 0.063 | 0.125 | 0.031 | 0.031 | 0.266 | 2024 | .031 R (TYP) |
| 2443 | 1.000 | 1.500 | 0.062 | 0.062 | 0.031 | 0.031 | 0.182 | 7075 | .031 R (TYP) |
| 2466 | 1.000 | 1.500 | 0.094 | 0.078 | 0.047 | 0.047 | 0.270 | 2024 | |
| 2579 | 0.750 | 1.375 | 0.050 | 0.094 | 0.050 | 0.025 | 0.127 | 7075 | |
| 2840 | 1.250 | 2.000 | 0.094 | 0.060 | 0.031 | 0.031 | 0.356 | 7075 | .031 R (TYP) |
| 4166 | 0.750 | 1.500 | 0.040 | 0.125 | FULL | FULL | 0.114 | 7075 | .020 R (TYP) |
| 4167 | 0.687 | 0.500 | 0.050 | 0.090 | FULL | FULL | 0.072 | 6061 | |
| 4281 | 0.750 | 2.050 | 0.050 | 0.063 | 0.050 | FULL | 0.166 | 7075 | |
| 4609 | 1.500 | 1.750 | 0.125 | 0.125 | FULL | FULL | 0.470 | 6061 | |
| 4859 | 0.750 | 1.500 | 0.063 | 0.125 | 0.063 | FULL | 0.172 | 7075 | |
| 4867 | 0.875 | 1.625 | 0.125 | 0.125 | 0.125 | 0.062 | 0.355 | 6063 | .031 R (TYP) |
| 4962 | 1.205 | 1.375 | 0.094 | 0.125 | 0.094 | FULL | 0.288 | 6061 | |
| 5028 | 1.000 | 1.375 | 0.078 | 0.125 | 0.078 | FULL | 0.220 | 6061 | |
| 5051 | 1.125 | 1.500 | 0.040 | 0.040 | 0.040 | 0.010 | 0.124 | 7075 | |
| 5105 | 0.250 | 0.348 | 0.026 | 0.012 | 0.016 | FULL | 0.018 | 6063 | |
| 5168 | 1.250 | 2.000 | 0.078 | 0.125 | 0.078 | FULL | 0.301 | 7075 | |
| 5227 | 1.250 | 2.250 | 0.050 | 0.090 | FULL | FULL | 0.210 | 2024 | |
| 5438 | 0.750 | 1.250 | 0.063 | 0.125 | 0.063 | 0.031 | 0.152 | 6061 | |
| 5441 | 1.375 | 1.750 | 0.094 | 0.125 | 0.094 | FULL | 0.344 | 2024 | |
| 5444 | 1.000 | 2.000 | 0.094 | 0.125 | 0.094 | FULL | 0.330 | 2024 | |
| 5497 | 0.360 | 0.800 | 0.040 | 0.060 | FULL | FULL | 0.055 | 2024 | |
| 5538 | 1.000 | 1.375 | 0.063 | 0.125 | 0.063 | 0.031 | 0.182 | 2024 | |
| 5556 | 0.875 | 1.750 | 0.078 | 0.125 | 0.078 | FULL | 0.242 | 2024 | |
| 5573 | 1.625 | 1.750 | 0.125 | 0.125 | 0.125 | 0.062 | 0.486 | 2024 | .031 R (TYP) |
| 5618 | 1.625 | 2.500 | 0.094 | 0.125 | 0.094 | 0.047 | 0.457 | 7075 | |
| 3756 | 1.000 | 1.250 | 0.063 | 0.125 | 0.063 | 0.031 | 0.178 | 2024 | |
| 3759 | 1.000 | 1.650 | 0.050 | 0.094 | FULL | FULL | 0.160 | 7075 | |
| 3765 | 1.250 | 2.000 | 0.094 | 0.094 | 0.094 | 0.016 | 0.256 | 2024 | |
| 3821 | 1.000 | 1.875 | 0.078 | 0.125 | 0.078 | 0.039 | 0.266 | 7075 | |
| 4001 | 0.875 | 1.000 | 0.063 | 0.094 | 0.063 | FULL | 0.139 | 2024 | |
| 4086 | 0.750 | 1.500 | 0.050 | 0.094 | FULL | FULL | 0.136 | 2024 | |
| 3070 | 1.125 | 1.625 | 0.125 | 0.125 | FULL | 0.031 | 0.392 | 7075 | .031 R (TYP) |
| 5691 | 1.760 | 2.070 | 0.060 | 0.060 | 0.031 | 0.030 | 0.272 | 7075 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

Tees

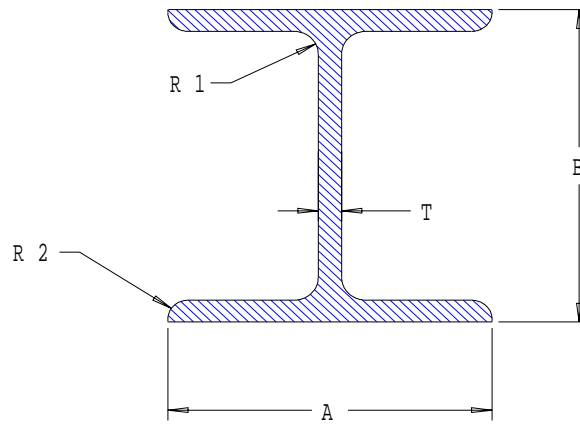
R1, R2, R3



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | R3 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|-----------|------------------|-------|--------------|
| 5799 | 1.750 | 2.000 | 0.094 | 0.125 | 0.094 | 0.047 | 0.415 | 7075 | |
| 5855 | 1.625 | 1.250 | 0.063 | 0.094 | 0.063 | 0.031 | 0.158 | 6061 | |
| 6161 | 1.500 | 3.000 | 0.156 | 0.125 | 0.156 | FULL | 0.805 | 6061 | |
| 6196 | 1.000 | 1.375 | 0.094 | 0.125 | 0.094 | FULL | 0.260 | 7075 | |
| 6275 | 1.000 | 0.750 | 0.062 | 0.032 | FULL | FULL | 0.125 | 6061 | |
| 6295 | 1.500 | 1.875 | 0.094 | 0.125 | 0.094 | FULL | 0.373 | 2024 | |
| 6421 | 0.750 | 1.500 | 0.062 | 0.062 | FULL | FULL | 0.163 | 6061 | |
| 6451 | 0.750 | 1.500 | 0.094 | 0.125 | 0.094 | FULL | 0.246 | 7075 | |
| 6481 | 1.000 | 2.000 | 0.050 | 0.050 | FULL | FULL | 0.178 | 7075 | |
| 6482 | 0.875 | 1.562 | 0.062 | 0.062 | 0.062 | FULL | 0.176 | 7075 | |
| 6527 | 1.250 | 1.875 | 0.125 | 0.125 | 0.125 | FULL | 0.449 | 2024 | .031 R (TYP) |
| 6558 | 1.000 | 1.875 | 0.094 | 0.125 | 0.094 | FULL | 0.317 | 2024 | |
| 6659 | 1.062 | 1.875 | 0.062 | 0.125 | FULL | FULL | 0.221 | 2024 | |
| 6784 | 1.250 | 2.000 | 0.078 | 0.125 | 0.078 | FULL | 0.301 | 7075 | |
| 7078 | 1.125 | 1.750 | 0.094 | 0.125 | 0.094 | FULL | 0.317 | 2024 | |
| 7151 | 2.000 | 2.500 | 0.188 | 0.188 | 0.188 | FULL | 0.968 | 6061 | |
| 7282 | 1.000 | 1.500 | 0.094 | 0.125 | 0.094 | FULL | 0.274 | 6061 | |
| 7351 | 1.500 | 3.000 | 0.125 | 0.125 | 0.125 | FULL | 0.654 | 6061 | |
| 7820 | 3.000 | 2.500 | 0.125 | 0.125 | 0.125 | FULL | 0.804 | 6061 | |
| 8110 | 1.250 | 1.875 | 0.078 | 0.125 | 0.078 | FULL | 0.289 | 7075 | |
| 8246 | 1.052 | 1.800 | 0.071 | 0.032 | 0.032 | 0.032 | 0.236 | 7075 | .032 R (TYP) |
| 8261 | 1.250 | 2.000 | 0.125 | 0.125 | 0.125 | 0.062 | 0.467 | 6061 | |
| 8320 | 0.750 | 1.000 | 0.078 | 0.094 | 0.078 | FULL | 0.157 | 2024 | |

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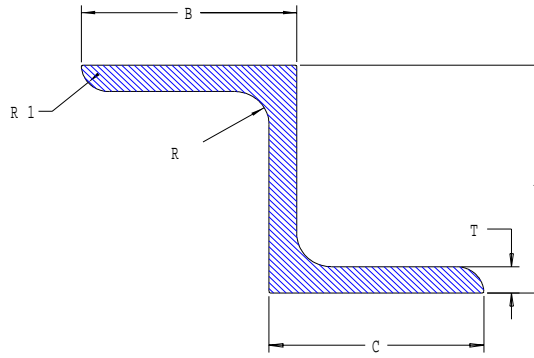
I - BEAM



| DIE NO. | A INCHES | B INCHES | T INCHES | R1 INCHES | R2 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|-----------|-----------|------------------|-------|--------------|
| 5947 | 0.740 | 0.395 | 0.060 | 0.060 | 0.030 | 0.128 | 6061 | |
| 2789 | 1.750 | 1.000 | 0.094 | 0.125 | 0.094 | 0.493 | 7075 | |
| 1762 | 1.200 | 1.200 | 0.050 | 0.090 | 0.016 | 0.218 | 7075 | |
| 7735 | 1.250 | 0.750 | 0.063 | 0.125 | 0.063 | 0.248 | 6061 | |
| 8185 | 1.250 | 3.000 | 0.093 | 0.093 | 0.032 | 0.600 | 6061 | .032 R (TYP) |
| 3834 | 1.260 | 1.000 | 0.070 | 0.090 | 0.016 | 0.292 | 7075 | |
| 641 | 1.500 | 1.500 | 0.094 | 0.125 | 0.094 | 0.493 | 6061 | |
| 6931 | 1.500 | 2.000 | 0.060 | 0.090 | 0.030 | 0.358 | 6061 | .030 R (TYP) |
| 3524 | 1.500 | 2.000 | 0.090 | 0.120 | 0.031 | 0.588 | 7075 | .031 R (TYP) |
| 4953 | 1.625 | 0.875 | 0.094 | 0.125 | 0.094 | 0.451 | 7075 | |
| 5606 | 1.625 | 1.000 | 0.094 | 0.125 | 0.094 | 0.466 | 2024 | |
| 6430 | 1.750 | 1.110 | 0.080 | 0.125 | 0.016 | 0.441 | 7075 | |
| 7918 | 1.875 | 1.250 | 0.094 | 0.125 | 0.094 | 0.550 | 6061 | |
| 4903 | 2.000 | 0.875 | 0.050 | 0.060 | 0.010 | 0.290 | 6061 | |
| 8163 | 2.000 | 1.000 | 0.125 | 0.125 | 0.063 | 0.720 | 6061 | |
| 7536 | 2.000 | 2.000 | 0.187 | 0.125 | 0.125 | 1.262 | 6061 | |
| 6750 | 2.000 | 2.500 | 0.125 | 0.156 | 0.125 | 0.947 | 6061 | |
| 7737 | 2.000 | 3.000 | 0.125 | 0.156 | 0.125 | 1.021 | 6061 | |
| 943 | 2.060 | 3.062 | 0.125 | 0.187 | 0.093 | 1.033 | 6063 | |

Unless Noted, all Shapes are "No Exposed Surfaces"

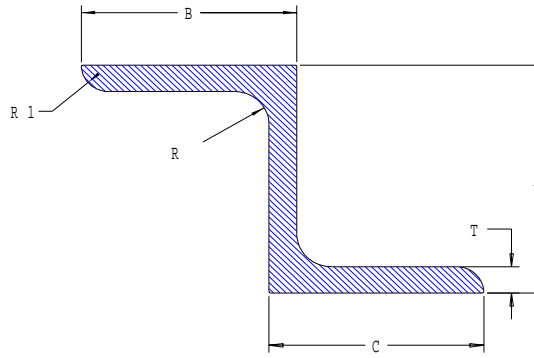
ZEE



| DIE NO. | A INCHES | B INCHES | C INCHES | T INCHES | R INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|----------|-----------|------------------|-------|--------------|
| 5536 | 0.240 | 1.030 | 0.870 | 0.050 | 0.060 | 0.016 | 0.130 | 7075 | |
| 5537 | 0.240 | 1.260 | 1.260 | 0.050 | 0.050 | 0.020 | 0.161 | 6061 | .020 R (TYP) |
| 6611 | 0.290 | 0.250 | 0.650 | 0.040 | 0.060 | 0.016 | 0.055 | 2024 | |
| 207 | 0.296 | 0.950 | 0.850 | 0.064 | 0.016 | 0.016 | 0.124 | 2024 | |
| 7015 | 0.340 | 0.750 | 0.550 | 0.060 | 0.060 | 0.016 | 0.112 | 6061 | |
| 7076 | 0.340 | 0.750 | 0.550 | 0.060 | 0.060 | 0.016 | 0.112 | 6061 | |
| 787 | 0.344 | 0.500 | 0.437 | 0.094 | 0.016 | 0.016 | 0.124 | 6061 | |
| 5146 | 0.350 | 1.000 | 0.550 | 0.040 | 0.020 | 0.016 | 0.088 | 2024 | .020 R (2) |
| 5562 | 0.375 | 0.625 | 0.750 | 0.062 | 0.125 | 0.062 | 0.127 | 2024 | |
| 5571 | 0.375 | 0.875 | 0.750 | 0.063 | 0.125 | 0.062 | 0.148 | 7075 | |
| 4831 | 0.375 | 1.000 | 0.750 | 0.078 | 0.125 | 0.078 | 0.190 | 7075 | |
| 5371 | 0.375 | 1.250 | 0.750 | 0.064 | 0.063 | 0.010 | 0.174 | 7075 | |
| 2623 | 0.395 | 1.550 | 0.225 | 0.050 | 0.040 | 0.020 | 0.121 | 7075 | .020 R (TYP) |
| 6272 | 0.438 | 0.687 | 0.812 | 0.063 | 0.094 | 0.016 | 0.142 | 7075 | |
| 4367 | 0.486 | 0.750 | 0.900 | 0.048 | 0.060 | 0.016 | 0.119 | 7075 | |
| 280 | 0.488 | 1.250 | 1.000 | 0.040 | 0.060 | 0.016 | 0.131 | 2024 | |
| 954 | 0.500 | 0.375 | 0.625 | 0.062 | 0.125 | 0.062 | 0.108 | 6061 | |
| 6143 | 0.500 | 0.625 | 0.375 | 0.050 | 0.094 | 0.050 | 0.088 | 2024 | |
| 2164 | 0.500 | 0.625 | 0.625 | 0.063 | 0.125 | 0.063 | 0.129 | 2024 | |
| 7654 | 0.500 | 0.625 | 0.625 | 0.050 | 0.094 | 0.050 | 0.102 | 7075 | |
| 76 | 0.500 | 0.750 | 0.750 | 0.050 | 0.094 | 0.050 | 0.117 | 2024 | |
| 126 | 0.500 | 0.750 | 0.750 | 0.062 | 0.125 | 0.062 | 0.145 | 7075 | |
| 5383 | 0.500 | 0.875 | 0.875 | 0.050 | 0.094 | 0.050 | 0.132 | 2024 | |
| 4834 | 0.500 | 1.125 | 0.875 | 0.078 | 0.125 | 0.078 | 0.224 | 7075 | |
| 4835 | 0.500 | 1.250 | 0.750 | 0.062 | 0.125 | 0.062 | 0.182 | 7075 | |
| 5188 | 0.550 | 0.750 | 0.600 | 0.050 | 0.050 | 0.010 | 0.108 | 2024 | .050 R (2) |
| 7052 | 0.562 | 1.000 | 1.000 | 0.062 | 0.010 | 0.010 | 0.181 | 6063 | |
| 6212 | 0.563 | 1.500 | 0.875 | 0.125 | 0.010 | 0.010 | 0.403 | 6061 | |
| 804 | 0.625 | 0.625 | 0.625 | 0.062 | 0.125 | 0.062 | 0.137 | 2024 | |
| 8377 | 0.625 | 0.750 | 0.375 | 0.050 | 0.094 | 0.050 | 0.102 | 7075 | |
| 5429 | 0.625 | 0.750 | 0.625 | 0.062 | 0.125 | 0.062 | 0.145 | 6061 | |
| 198 | 0.625 | 0.750 | 0.750 | 0.050 | 0.094 | 0.050 | 0.125 | 6061 | |
| 2761 | 0.625 | 0.750 | 0.750 | 0.062 | 0.125 | 0.062 | 0.155 | 2024 | |
| 4718 | 0.625 | 0.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.190 | 6061 | |
| 2416 | 0.625 | 1.000 | 0.750 | 0.062 | 0.125 | 0.062 | 0.174 | 7075 | |
| 6479 | 0.625 | 1.000 | 0.750 | 0.094 | 0.125 | 0.094 | 0.251 | 2024 | |
| 1167 | 0.625 | 1.000 | 1.000 | 0.062 | 0.125 | 0.062 | 0.192 | 7075 | |
| 4807 | 0.625 | 1.062 | 0.750 | 0.090 | 0.015 | 0.010 | 0.244 | 6063 | |
| 8020 | 0.625 | 1.062 | 1.000 | 0.125 | 0.031 | 0.016 | 0.366 | 6061 | |
| 5368 | 0.625 | 1.750 | 1.000 | 0.078 | 0.125 | 0.078 | 0.306 | 7075 | |
| 661 | 0.650 | 1.120 | 1.180 | 0.060 | 0.125 | 0.030 | 0.218 | 6061 | .030 R (TYP) |
| 985 | 0.750 | 0.375 | 0.750 | 0.062 | 0.125 | 0.062 | 0.137 | 7075 | |
| 4669 | 0.750 | 0.750 | 0.750 | 0.125 | 0.010 | 0.010 | 0.300 | 2024 | |

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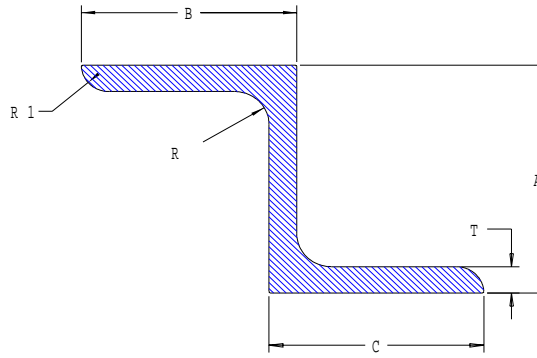
ZEE



| DIE NO. | A INCHES | B INCHES | C INCHES | T INCHES | R INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|----------|-----------|------------------|-------|--------------|
| 5244 | 0.750 | 0.750 | 0.750 | 0.050 | 0.094 | 0.050 | 0.132 | 7075 | |
| 3336 | 0.750 | 0.750 | 0.750 | 0.050 | 0.094 | 0.050 | 0.132 | 6061 | |
| 1171 | 0.750 | 0.875 | 0.750 | 0.078 | 0.125 | 0.078 | 0.236 | 2024 | |
| 4582 | 0.750 | 0.875 | 0.750 | 0.125 | 0.016 | 0.016 | 0.318 | 6061 | SOME EXPOSED |
| 1120 | 0.750 | 1.000 | 0.750 | 0.050 | 0.094 | 0.050 | 0.148 | 7075 | |
| 5558 | 0.750 | 1.000 | 0.900 | 0.063 | 0.125 | 0.063 | 0.197 | 7075 | |
| 127 | 0.750 | 1.000 | 1.000 | 0.062 | 0.125 | 0.062 | 0.201 | 7075 | |
| 6501 | 0.750 | 1.250 | 1.250 | 0.078 | 0.125 | 0.078 | 0.294 | 2024 | |
| 7149 | 0.750 | 1.250 | 1.250 | 0.125 | 0.125 | 0.125 | 0.450 | 6061 | |
| 5712 | 0.750 | 2.250 | 1.000 | 0.078 | 0.125 | 0.078 | 0.365 | 2024 | |
| 5659 | 0.845 | 0.890 | 0.823 | 0.063 | 0.130 | 0.016 | 0.192 | 7075 | |
| 7703 | 0.850 | 1.800 | 0.440 | 0.064 | 0.120 | 0.016 | 0.234 | 7075 | |
| 1070 | 0.875 | 0.330 | 0.720 | 0.040 | 0.063 | 0.016 | 0.076 | 6061 | |
| 1992 | 0.875 | 0.625 | 0.625 | 0.050 | 0.094 | 0.050 | 0.125 | 7075 | |
| 2451 | 0.875 | 0.750 | 0.750 | 0.063 | 0.125 | 0.063 | 0.176 | 6061 | |
| 5857 | 0.875 | 0.750 | 0.750 | 0.050 | 0.094 | 0.050 | 0.140 | 2024 | |
| 6513 | 0.875 | 0.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.212 | 2024 | |
| 1171 | 0.875 | 0.750 | 1.000 | 0.078 | 0.125 | 0.078 | 0.236 | 2024 | |
| 6419 | 0.875 | 0.875 | 0.500 | 0.062 | 0.125 | 0.062 | 0.164 | 6061 | |
| 3003 | 0.875 | 0.875 | 0.500 | 0.078 | 0.125 | 0.078 | 0.200 | 7075 | |
| 2415 | 0.875 | 0.875 | 0.875 | 0.078 | 0.125 | 0.078 | 0.236 | 7075 | |
| 5382 | 0.875 | 0.875 | 0.875 | 0.050 | 0.094 | 0.050 | 0.155 | 2024 | |
| 6057 | 0.875 | 1.000 | 0.750 | 0.062 | 0.125 | 0.062 | 0.192 | 2024 | |
| 1140 | 0.875 | 1.000 | 0.875 | 0.094 | 0.125 | 0.094 | 0.293 | 7075 | |
| 2817 | 0.875 | 1.000 | 1.000 | 0.062 | 0.125 | 0.062 | 0.211 | 7075 | |
| 4575 | 0.875 | 1.000 | 1.000 | 0.078 | 0.125 | 0.078 | 0.259 | 6061 | |
| 6198 | 0.875 | 1.000 | 1.000 | 0.063 | 0.125 | 0.031 | 0.215 | 7075 | .031 R (TYP) |
| 6787 | 0.875 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.307 | 7075 | |
| 5495 | 0.875 | 1.125 | 0.875 | 0.050 | 0.094 | 0.050 | 0.170 | 2024 | |
| 1164 | 0.890 | 1.030 | 1.100 | 0.040 | 0.060 | 0.016 | 0.143 | 7075 | |
| 5340 | 0.900 | 0.900 | 0.687 | 0.125 | 0.125 | 0.031 | 0.342 | 2024 | .031 R (TYP) |
| 5539 | 0.910 | 2.424 | 0.910 | 0.086 | 0.100 | 0.016 | 0.425 | 7075 | |
| 2589 | 1.000 | 0.625 | 0.625 | 0.050 | 0.094 | 0.050 | 0.132 | 2024 | |
| 6627 | 1.000 | 0.750 | 0.375 | 0.050 | 0.094 | 0.050 | 0.125 | 2024 | |
| 1120 | 1.000 | 0.750 | 0.750 | 0.050 | 0.095 | 0.050 | 0.148 | 7075 | |
| 3042 | 1.000 | 0.750 | 0.750 | 0.062 | 0.125 | 0.062 | 0.182 | 2024 | |
| 2721 | 1.000 | 0.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.219 | 6061 | |
| 7070 | 1.000 | 0.750 | 0.750 | 0.050 | 0.060 | 0.016 | 0.145 | 2024 | |
| 2632 | 1.000 | 0.875 | 0.500 | 0.078 | 0.125 | 0.078 | 0.212 | 7075 | |
| 6895 | 1.000 | 0.875 | 0.625 | 0.125 | 0.016 | 0.016 | 0.337 | 6061 | |
| 1140 | 1.000 | 0.875 | 0.875 | 0.094 | 0.125 | 0.094 | 0.293 | 7075 | |
| 2611 | 1.000 | 1.000 | 0.500 | 0.062 | 0.125 | 0.062 | 0.183 | 2024 | |
| 1167 | 1.000 | 1.000 | 0.625 | 0.062 | 0.125 | 0.062 | 0.092 | 7075 | |
| 5366 | 1.000 | 1.000 | 0.625 | 0.062 | 0.125 | 0.062 | 0.192 | 7075 | |
| 5034 | 1.000 | 1.000 | 0.750 | 0.094 | 0.125 | 0.094 | 0.293 | 6061 | |
| 1610 | 1.000 | 1.000 | 1.000 | 0.036 | 0.125 | 0.018 | 0.126 | 2024 | |

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ZEE



| DIE NO. | A INCHES | B INCHES | C INCHES | T INCHES | R INCHES | R1 INCHES | EST. WT. PER FT. | ALLOY | COMMENTS |
|---------|----------|----------|----------|----------|----------|-----------|------------------|-------|--------------|
| 5569 | 1.000 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.330 | 2024 | |
| 5687 | 1.000 | 1.000 | 1.000 | 0.050 | 0.125 | 0.025 | 0.180 | 7075 | .060 R (2) |
| 6005 | 1.000 | 1.000 | 1.000 | 0.078 | 0.125 | 0.078 | 0.271 | 7075 | |
| 5001 | 1.000 | 1.125 | 1.000 | 0.102 | 0.062 | 0.016 | 0.359 | 7075 | |
| 5153 | 1.000 | 1.200 | 0.650 | 0.050 | 0.090 | 0.010 | 0.169 | 7075 | |
| 6015 | 1.055 | 1.250 | 0.880 | 0.060 | 0.120 | 0.060 | 0.226 | 7075 | |
| 869 | 1.090 | 0.800 | 0.500 | 0.050 | 0.100 | 0.016 | 0.142 | 7075 | |
| 6572 | 1.090 | 1.250 | 0.880 | 0.125 | 0.160 | 0.031 | 0.476 | 7075 | .031 R (TYP) |
| 5683 | 1.095 | 1.375 | 0.470 | 0.070 | 0.060 | 0.035 | 0.235 | 7075 | |
| 6565 | 1.105 | 1.030 | 1.030 | 0.120 | 0.125 | 0.016 | 0.428 | 6061 | |
| 7920 | 1.125 | 0.625 | 0.375 | 0.062 | 0.125 | 0.062 | 0.155 | 6061 | |
| 720 | 1.125 | 0.625 | 1.125 | 0.062 | 0.125 | 0.062 | 0.211 | 7075 | |
| 6334 | 1.125 | 0.875 | 0.500 | 0.050 | 0.094 | 0.050 | 0.148 | 7075 | |
| 7857 | 1.125 | 0.875 | 0.875 | 0.094 | 0.125 | 0.090 | 0.307 | 6063 | |
| 4356 | 1.125 | 1.125 | 0.625 | 0.094 | 0.125 | 0.094 | 0.307 | 2024 | |
| 720 | 1.125 | 1.125 | 0.750 | 0.062 | 0.125 | 0.062 | 0.211 | 7075 | |
| 2310 | 1.125 | 1.125 | 1.125 | 0.094 | 0.125 | 0.094 | 0.363 | 2024 | |
| 1930 | 1.125 | 1.125 | 1.125 | 0.125 | 0.125 | 0.125 | 0.469 | 7075 | |
| 2310 | 1.125 | 1.125 | 1.125 | 0.094 | 0.125 | 0.094 | 0.363 | 2024 | |
| 8150 | 1.250 | 0.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.247 | 6061 | |
| 114 | 1.250 | 1.000 | 1.000 | 0.062 | 0.125 | 0.062 | 0.239 | 7075 | |
| 6246 | 1.250 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.349 | 6061 | |
| 3020 | 1.250 | 1.040 | 0.750 | 0.078 | 0.120 | 0.010 | 0.277 | 7075 | |
| 200 | 1.250 | 1.250 | 0.750 | 0.078 | 0.125 | 0.078 | 0.294 | 2024 | |
| 113 | 1.250 | 1.250 | 1.250 | 0.094 | 0.125 | 0.094 | 0.406 | 6061 | |
| 115 | 1.250 | 1.250 | 1.250 | 0.078 | 0.125 | 0.078 | 0.341 | 2024 | |
| 4507 | 1.250 | 1.400 | 1.250 | 0.094 | 0.120 | 0.031 | 0.425 | 7075 | .031 R (TYP) |
| 7343 | 1.375 | 0.750 | 0.750 | 0.062 | 0.125 | 0.062 | 0.211 | 2024 | |
| 7162 | 1.375 | 1.250 | 0.750 | 0.125 | 0.125 | 0.125 | 0.469 | 6061 | |
| 5662 | 1.375 | 1.250 | 1.250 | 0.078 | 0.125 | 0.078 | 0.353 | 7075 | |
| 4836 | 1.500 | 0.750 | 0.500 | 0.078 | 0.125 | 0.078 | 0.247 | 7075 | |
| 2270 | 1.500 | 0.750 | 0.750 | 0.078 | 0.125 | 0.078 | 0.271 | 6061 | |
| 5857 | 1.500 | 1.000 | 0.625 | 0.094 | 0.125 | 0.094 | 0.335 | 2024 | |
| 2762 | 1.500 | 1.000 | 1.000 | 0.078 | 0.125 | 0.078 | 0.325 | 2024 | |
| 6708 | 1.500 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.377 | 7075 | |
| 5729 | 1.500 | 1.100 | 1.000 | 0.070 | 0.120 | 0.031 | 0.296 | 2024 | .031 R (TYP) |
| 128 | 1.500 | 1.250 | 1.250 | 0.094 | 0.125 | 0.094 | 0.433 | 7075 | |
| 5843 | 1.750 | 1.000 | 1.000 | 0.078 | 0.125 | 0.078 | 0.341 | 6061 | |
| 488 | 1.750 | 1.250 | 1.250 | 0.094 | 0.125 | 0.094 | 0.462 | 6061 | |
| 6042 | 1.750 | 1.250 | 1.250 | 0.125 | 0.125 | 0.010 | 0.608 | 6061 | |
| 7559 | 2.000 | 0.750 | 0.500 | 0.062 | 0.125 | 0.062 | 0.240 | 6061 | |
| 1931 | 2.000 | 0.750 | 0.750 | 0.062 | 0.125 | 0.062 | 0.257 | 7075 | |
| 4387 | 2.000 | 1.000 | 1.000 | 0.094 | 0.125 | 0.094 | 0.433 | 7075 | |
| 8004 | 2.000 | 1.250 | 1.250 | 0.188 | 0.188 | 0.125 | 0.941 | 6061 | |
| 5981 | 2.250 | 1.250 | 0.750 | 0.078 | 0.125 | 0.078 | 0.388 | 7075 | |