



# ZM WELDED TUBES PRODUCTS RANGE

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UNITED STATES CUSTOMARY UNITS

| Outside Diameter | Wall thickness |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  | 0.020          | 0.024 | 0.028 | 0.031 | 0.035 | 0.039 | 0.047 | 0.049 | 0.059 | 0.063 | 0.065 | 0.079 | 0.083 | 0.095 | 0.098 | 0.102 | 0.104 | 0.109 | 0.118 |
| <b>0.625</b>     | 0.130          | 0.155 | 0.180 | 0.204 | 0.228 | 0.252 | 0.298 | 0.310 | 0.365 | 0.387 |       |       |       |       |       |       |       |       |       |
| <b>0.630</b>     | 0.131          | 0.157 | 0.181 | 0.206 | 0.230 | 0.254 | 0.301 | 0.312 | 0.368 | 0.390 |       |       |       |       |       |       |       |       |       |
| <b>0.677</b>     | 0.141          | 0.169 | 0.196 | 0.222 | 0.249 | 0.274 | 0.325 | 0.338 | 0.399 | 0.423 | 0.435 |       |       |       |       |       |       |       |       |
| <b>0.709</b>     | 0.148          | 0.177 | 0.205 | 0.233 | 0.261 | 0.288 | 0.342 | 0.355 | 0.419 | 0.445 | 0.457 | 0.542 |       |       |       |       |       |       |       |
| <b>0.748</b>     | 0.157          | 0.187 | 0.217 | 0.247 | 0.276 | 0.305 | 0.362 | 0.376 | 0.445 | 0.472 | 0.485 | 0.576 | 0.604 |       |       |       |       |       |       |
| <b>0.750</b>     | 0.157          | 0.188 | 0.218 | 0.247 | 0.277 | 0.306 | 0.363 | 0.377 | 0.446 | 0.473 | 0.486 | 0.578 | 0.606 |       |       |       |       |       |       |
| <b>0.787</b>     | 0.165          | 0.197 | 0.229 | 0.260 | 0.291 | 0.322 | 0.382 | 0.397 | 0.470 | 0.499 | 0.513 | 0.610 | 0.640 |       |       |       |       |       |       |
| <b>0.839</b>     | 0.176          | 0.210 | 0.244 | 0.278 | 0.311 | 0.344 | 0.409 | 0.425 | 0.503 | 0.534 | 0.549 | 0.654 | 0.686 | 0.796 | 0.824 |       |       |       |       |
| <b>0.866</b>     | 0.182          | 0.218 | 0.253 | 0.287 | 0.322 | 0.356 | 0.423 | 0.439 | 0.521 | 0.553 | 0.569 | 0.678 | 0.711 | 0.826 | 0.855 |       |       |       |       |
| <b>0.875</b>     | 0.184          | 0.220 | 0.255 | 0.290 | 0.325 | 0.359 | 0.427 | 0.444 | 0.527 | 0.559 | 0.575 | 0.685 | 0.719 | 0.835 | 0.864 |       |       |       |       |
| <b>0.906</b>     | 0.191          | 0.228 | 0.264 | 0.301 | 0.337 | 0.373 | 0.443 | 0.461 | 0.546 | 0.580 | 0.597 | 0.712 | 0.747 | 0.868 | 0.899 |       |       |       |       |
| <b>0.945</b>     | 0.199          | 0.238 | 0.276 | 0.314 | 0.352 | 0.390 | 0.464 | 0.482 | 0.572 | 0.607 | 0.625 | 0.745 | 0.782 | 0.911 | 0.943 |       |       |       |       |
| <b>0.984</b>     | 0.208          | 0.248 | 0.288 | 0.328 | 0.367 | 0.407 | 0.484 | 0.503 | 0.597 | 0.634 | 0.653 | 0.779 | 0.818 | 0.922 | 0.953 | 0.987 |       |       |       |
| <b>1.000</b>     | 0.211          | 0.252 | 0.293 | 0.333 | 0.374 | 0.413 | 0.492 | 0.511 | 0.607 | 0.645 | 0.664 | 0.793 | 0.833 | 0.939 | 0.970 | 1.004 | 1.021 | 1.062 |       |
| <b>1.051</b>     |                | 0.265 | 0.308 | 0.351 | 0.393 | 0.435 | 0.518 | 0.539 | 0.640 | 0.680 | 0.700 | 0.837 | 0.879 | 0.992 | 1.025 | 1.062 | 1.080 | 1.123 |       |
| <b>1.059</b>     |                | 0.267 | 0.311 | 0.354 | 0.396 | 0.439 | 0.522 | 0.543 | 0.645 | 0.686 | 0.706 | 0.844 | 0.886 | 1.000 | 1.033 | 1.070 | 1.089 | 1.132 |       |
| <b>1.102</b>     |                |       | 0.324 | 0.369 | 0.413 | 0.457 | 0.545 | 0.566 | 0.673 | 0.716 | 0.737 | 0.881 | 0.925 | 1.045 | 1.080 | 1.119 | 1.138 | 1.184 |       |
| <b>1.125</b>     |                |       | 0.331 | 0.377 | 0.422 | 0.467 | 0.557 | 0.579 | 0.688 | 0.731 | 0.753 | 0.901 | 0.946 | 1.068 | 1.105 | 1.144 | 1.164 | 1.211 |       |
| <b>1.142</b>     |                |       | 0.336 | 0.382 | 0.428 | 0.474 | 0.565 | 0.588 | 0.699 | 0.743 | 0.765 | 0.915 | 0.961 | 1.086 | 1.122 | 1.163 | 1.183 | 1.231 |       |
| <b>1.181</b>     |                |       | 0.347 | 0.396 | 0.444 | 0.491 | 0.585 | 0.609 | 0.724 | 0.770 | 0.792 | 0.949 | 0.997 | 1.126 | 1.165 | 1.207 | 1.228 | 1.278 |       |
| <b>1.250</b>     |                |       | 0.368 | 0.419 | 0.470 | 0.521 | 0.621 | 0.646 | 0.769 | 0.817 | 0.841 | 1.008 | 1.060 | 1.198 | 1.239 | 1.284 | 1.306 | 1.360 |       |
| <b>1.252</b>     |                |       | 0.369 | 0.420 | 0.471 | 0.522 | 0.622 | 0.647 | 0.770 | 0.819 | 0.843 | 1.010 | 1.061 | 1.200 | 1.241 | 1.286 | 1.309 | 1.362 |       |
| <b>1.260</b>     |                |       | 0.371 | 0.423 | 0.474 | 0.525 | 0.626 | 0.651 | 0.775 | 0.824 | 0.848 | 1.016 | 1.068 | 1.208 | 1.249 | 1.295 | 1.318 | 1.372 |       |
| <b>1.299</b>     |                |       | 0.383 | 0.436 | 0.489 | 0.542 | 0.646 | 0.672 | 0.800 | 0.851 | 0.876 | 1.050 | 1.104 | 1.249 | 1.292 | 1.339 | 1.363 | 1.419 |       |
| <b>1.315</b>     |                |       | 0.388 | 0.442 | 0.496 | 0.549 | 0.655 | 0.681 | 0.811 | 0.862 | 0.888 | 1.064 | 1.119 | 1.265 | 1.309 | 1.357 | 1.381 | 1.437 | 1.545 |
| <b>1.327</b>     |                |       | 0.391 | 0.446 | 0.500 | 0.554 | 0.661 | 0.687 | 0.818 | 0.870 | 0.896 | 1.074 | 1.129 | 1.278 | 1.321 | 1.370 | 1.394 | 1.451 | 1.560 |
| <b>1.339</b>     |                |       | 0.395 | 0.450 | 0.505 | 0.559 | 0.667 | 0.694 | 0.826 | 0.878 | 0.904 | 1.084 | 1.140 | 1.290 | 1.334 | 1.383 | 1.407 | 1.466 | 1.576 |
| <b>1.378</b>     |                |       | 0.407 | 0.464 | 0.520 | 0.576 | 0.687 | 0.715 | 0.851 | 0.905 | 0.932 | 1.118 | 1.176 | 1.331 | 1.376 | 1.427 | 1.452 | 1.512 | 1.626 |
| <b>1.417</b>     |                |       | 0.419 | 0.477 | 0.535 | 0.593 | 0.707 | 0.736 | 0.877 | 0.932 | 0.960 | 1.152 | 1.211 | 1.371 | 1.419 | 1.471 | 1.497 | 1.559 | 1.677 |
| <b>1.457</b>     |                |       | 0.430 | 0.491 | 0.550 | 0.610 | 0.728 | 0.757 | 0.902 | 0.960 | 0.988 | 1.186 | 1.247 | 1.412 | 1.461 | 1.515 | 1.542 | 1.606 | 1.728 |
| <b>1.496</b>     |                |       | 0.442 | 0.504 | 0.566 | 0.627 | 0.748 | 0.778 | 0.928 | 0.987 | 1.016 | 1.220 | 1.283 | 1.453 | 1.504 | 1.559 | 1.587 | 1.653 | 1.779 |
| <b>1.500</b>     |                |       | 0.444 | 0.506 | 0.567 | 0.629 | 0.750 | 0.780 | 0.930 | 0.989 | 1.019 | 1.223 | 1.287 | 1.457 | 1.508 | 1.564 | 1.592 | 1.658 | 1.784 |
| <b>1.575</b>     |                |       | 0.466 | 0.531 | 0.596 | 0.661 | 0.789 | 0.821 | 0.978 | 1.041 | 1.072 | 1.288 | 1.354 | 1.535 | 1.588 | 1.647 | 1.677 | 1.747 | 1.881 |
| <b>1.614</b>     |                |       |       | 0.545 | 0.611 | 0.678 | 0.809 | 0.842 | 1.004 | 1.068 | 1.100 | 1.321 | 1.390 | 1.576 | 1.631 | 1.691 | 1.722 | 1.794 | 1.931 |
| <b>1.654</b>     |                |       |       | 0.558 | 0.627 | 0.695 | 0.829 | 0.863 | 1.029 | 1.095 | 1.128 | 1.355 | 1.426 | 1.616 | 1.673 | 1.735 | 1.767 | 1.841 | 1.982 |
| <b>1.669</b>     |                |       |       | 0.564 | 0.633 | 0.701 | 0.838 | 0.871 | 1.039 | 1.106 | 1.139 | 1.369 | 1.440 | 1.633 | 1.690 | 1.753 | 1.785 | 1.860 | 2.002 |
| <b>1.693</b>     |                |       |       |       | 0.642 | 0.712 | 0.850 | 0.884 | 1.055 | 1.122 | 1.156 | 1.389 | 1.462 | 1.657 | 1.715 | 1.780 | 1.812 | 1.888 | 2.033 |
| <b>1.752</b>     |                |       |       |       | 0.665 | 0.737 | 0.880 | 0.916 | 1.093 | 1.163 | 1.198 | 1.440 | 1.515 | 1.718 | 1.779 | 1.846 | 1.879 | 1.958 | 2.109 |
| <b>1.772</b>     |                |       |       |       | 0.672 | 0.745 | 0.890 | 0.926 | 1.105 | 1.176 | 1.212 | 1.457 | 1.533 | 1.739 | 1.800 | 1.868 | 1.901 | 1.982 | 2.135 |
| <b>1.902</b>     |                |       |       |       | 0.723 | 0.801 | 0.958 | 0.996 | 1.189 | 1.266 | 1.304 | 1.569 | 1.651 | 1.874 | 1.940 | 2.013 | 2.049 | 2.137 | 2.302 |
| <b>1.969</b>     |                |       |       |       | 0.749 | 0.830 | 0.992 | 1.032 | 1.232 | 1.312 | 1.352 | 1.626 | 1.712 | 1.943 | 2.012 | 2.088 | 2.126 | 2.216 | 2.389 |
| <b>2.000</b>     |                |       |       |       | 0.761 | 0.844 | 1.008 | 1.049 | 1.253 | 1.334 | 1.374 | 1.653 | 1.741 | 1.976 | 2.046 | 2.123 | 2.162 | 2.254 | 2.429 |
| <b>2.008</b>     |                |       |       |       | 0.764 | 0.847 | 1.012 | 1.054 | 1.258 | 1.339 | 1.380 | 1.660 | 1.748 | 1.984 | 2.054 | 2.132 | 2.171 | 2.263 | 2.440 |
| <b>2.047</b>     |                |       |       |       |       | 0.864 | 1.033 | 1.075 | 1.283 | 1.366 | 1.407 | 1.694 | 1.783 | 2.025 | 2.097 | 2.176 | 2.216 | 2.310 | 2.490 |
| <b>2.087</b>     |                |       |       |       |       | 0.881 | 1.053 | 1.096 | 1.309 | 1.393 | 1.435 | 1.728 | 1.819 | 2.066 | 2.139 | 2.220 | 2.260 | 2.357 | 2.541 |
| <b>2.126</b>     |                |       |       |       |       | 0.898 | 1.073 | 1.117 | 1.334 | 1.420 | 1.463 | 1.762 | 1.855 | 2.106 | 2.181 | 2.264 | 2.305 | 2.404 | 2.592 |
| <b>2.244</b>     |                |       |       |       |       | 0.949 | 1.134 | 1.181 | 1.410 | 1.502 | 1.547 | 1.864 | 1.962 | 2.229 | 2.308 | 2.396 | 2.440 | 2.545 | 2.745 |
| <b>2.362</b>     |                |       |       |       |       | 1.000 | 1.195 | 1.244 | 1.487 | 1.583 | 1.631 | 1.965 | 2.069 | 2.351 | 2.435 | 2.528 | 2.575 | 2.686 | 2.897 |
| <b>2.374</b>     |                |       |       |       |       | 1.005 | 1.201 | 1.250 | 1.494 | 1.591 | 1.639 | 1.975 | 2.080 | 2.364 | 2.448 | 2.542 | 2.588 | 2.700 | 2.912 |
| <b>2.480</b>     |                |       |       |       |       | 1.050 | 1.256 | 1.308 | 1.563 | 1.664 | 1.715 | 2.067 | 2.177 | 2.474 | 2.562 | 2.660 | 2.709 | 2.826 | 3.049 |
| <b>2.500</b>     |                |       |       |       |       | 1.059 | 1.267 | 1.318 | 1.576 | 1.678 | 1.729 | 2.084 | 2.194 | 2.494 | 2.584 | 2.683 | 2.732 | 2.850 | 3.075 |

Weight (lbs./ft.)

**LEGEND:**

- ZM size range
- Annealed & Pickled only
- On request
- Bead removing on request

**NOTES**

The entire range is available Bright Annealed or Annealed & Pickled  
Welded tube up to 98 feet long