



# **STAINLESS STEEL TUBING**

**SPECIFICATIONS,  
SIZES & GRADES**



**PLYMOUTH TUBE CO** USA®

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# STAINLESS STEEL TUBING

## ASTM A and ASME SA Specifications

|   |   | Grades  |   | OD Range<br>S=Seamless<br>W=Welded          |  | Wall Range<br>AW=Average Wall<br>MW=Minimum Wall       |  | Max. Length |    |
|---|---|---|---|---|--|--|--|-------------|----|
|   |   | inches  | mm  | inches                                      | mm                                       | ft.  | m  |             |    |
| <b>PRESSURE TUBING</b>  |   |   |   |   |  |  |  |             |    |
| -213  | Seamless Austenitic Alloy Steel Boiler, Superheater and Heat Exchanger Tubes<br><i>U-Bending Available</i>            | TP304<br>TP304L<br>TP316<br>TP316L            | TP317<br>TP317L<br>TP321<br>TP347                     | 0.125<br>TO<br>1.500                        | 3.18<br>TO<br>38.10                      | 0.016 AW<br>TO<br>0.148 AW                             | 0.41 AW<br>TO<br>3.76 AW                           | 130         | 39 |
| -249  | Welded Austenitic Steel Boiler Superheater and Heat Exchange Tubes<br><i>U-Bending Available</i>                      | TP304<br>TP304L<br>TP316<br>TP316L            | TP317<br>TP317L<br>TP321<br>TP347                     | 0.125<br>TO<br>2.000                        | 3.18<br>TO<br>50.80                      | 0.016 AW<br>TO<br>0.120 MW                             | 0.41 AW<br>TO<br>3.05 AW                           | 130         | 39 |
| <i>Above grades also available in H and N grades</i>  |   |   |   |   |  |  |  |             |    |
| -268  | Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service<br><i>U-Bending Available</i> | TP430<br>TP430Ti<br>TP439<br>S44627           | S44660<br>S44735<br>SEA-CURE®<br>AL29-4C*<br>E-BRITE® | 0.500<br>TO<br>2.000                        | 12.70<br>TO<br>50.80                     | 0.016 AW<br>TO<br>0.134 AW                             | 0.40 AW<br>TO<br>3.40 AW                           | 130         | 40 |
| -269  | Seamless and Welded Austenitic Stainless Steel General Service Tubes<br><i>U-Bending Available</i>                    | TP304<br>TP304L<br>TP316<br>TP316L            | TP317<br>TP317L<br>TP321<br>TP347                     | S:0.0125<br>TO 1.500<br>W:0.125<br>TO 2.000 | S:3.18<br>TO 38.10<br>W:3.18<br>TO 50.80 | S:0.016 AW<br>TO 0.148 AW<br>W:0.016 AW<br>TO 0.148 AW | S:0.41 AW<br>TO 3.76 AW<br>W:0.41 AW<br>TO 3.76 AW | 130         | 39 |
| -270  | Seamless and Welded Austenitic Stainless Steel Sanitary Tubing  | TP304<br>TP304L<br>TP316<br>TP316L            |   | S:0.0125<br>TO 1.250<br>W:0.125<br>TO 1.250 | S:3.18<br>TO 12.70<br>W:3.18<br>TO 12.70 | S:0.016 AW<br>TO 0.065 MW<br>W:0.016 AW<br>TO 0.049 MW | S:0.41 AW<br>TO 3.76 MW<br>W:0.41 AW<br>TO 1.24 MW | 60          | 18 |
| -632  | Seamless and Welded Austenitic Stainless Steel Tubing (Small Diameter) for General Service                            | TP304<br>TP304L<br>TP304N<br>TP304LN<br>TP316 | TP316L<br>TP316N<br>TP321<br>TP347                    | S:0.0125<br>TO 0.500<br>W:0.125<br>TO 0.500 | S:3.18<br>TO 12.70<br>W:3.18<br>TO 12.70 | S:0.016 AW<br>TO 0.065 MW<br>W:0.016 AW<br>TO 0.049 MW | S:0.41 AW<br>TO 1.65 MW<br>W:0.41 AW<br>TO 1.24 MW | 130         | 39 |
| -789  | Welded Ferritic/Austenitic Stainless Steel Tubing for General Service   | TP2205<br>ALLOY2003                           |   | W:0.625<br>TO 2.000                         | W:15.88<br>TO 50.80                      | W:0.016 AW<br>TO 0.109 AW                              | W:0.40 AW<br>TO 2.77 AW                            | 130         | 39 |
| <b>FEEDWATER HEATER TUBING</b>  |   |   |   |   |  |  |  |             |    |
| -688  | XtraLowStress™ Welded Stainless Steel Feedwater Heater Tubes<br><i>U-Bending Available</i>                            | TP304<br>TP304L<br>TP304N<br>TP304LN          | TP316<br>TP316L<br>TP316N<br>TP316LN                  | 0.625<br>TO<br>1.000                        | 15.88<br>TO<br>25.40                     | 0.026 AW<br>TO<br>0.134 AW                             | 0.71 AW<br>TO<br>3.40 AW                           | 130         | 39 |
| -803  | Welded Ferritic Stainless Steel Feedwater Heater Tubes<br><i>U-Bending Available</i>                                  | TP439<br>S44735<br>S44627<br>S44660           | AL29-4C*<br>SEA-CURE®<br>E-BRITE®                     | 0.625<br>TO<br>1.000                        | 15.88<br>TO<br>25.40                     | 0.028 AW<br>TO<br>0.134 AW                             | 0.71 AW<br>TO<br>3.40 AW                           | 130         | 39 |
| <b>COMMERCIAL INSTRUMENTATION TUBING</b>  |   |   |   |   |  |  |  |             |    |
| -213  | Seamless Austenitic Alloy Steel Boiler, Superheater and Heat Exchanger Tubes  | TP304<br>TP304                                | TP316<br>TP316L                                       | 0.125<br>TO 1.000                           | 3.18<br>TO 25.40                         | 0.016 AW<br>TO 0.109 MW                                | 0.41 MW<br>TO 2.77 MW                              | 140         | 43 |
| -269  | Seamless and Welded Austenitic Stainless Steel General Service Tubes  | TP304<br>TP304                                | TP316<br>TP316L                                       | 0.125<br>TO 1.000                           | 3.18<br>TO 25.40                         | 0.016 AW<br>TO 0.109 MW                                | 0.41 MW<br>TO 2.77 MW                              | 140         | 43 |
| <b>NUCLEAR INSTRUMENTATION TUBING</b>   |   |   |   |   |  |  |  |             |    |
| -213  | ASME Section III - Class 1&2 See ASTM B and ASME SB 163 and 167 for Alloy 600   | TP304<br>TP304L                               | TP316<br>TP316L                                       | 0.125<br>TO 1.000                           | 3.18<br>TO 25.40                         | 0.016 AW<br>TO 0.109 AW                                | 0.41 MW<br>TO 2.77 MW                              | 140         | 43 |
| <b>MECHANICAL TUBING</b>  |   |   |   |   |  |  |  |             |    |
| -511  | Seamless Stainless Steel  | TP304<br>TP304L<br>TP316<br>TP316L            | TP317<br>TP317L<br>TP321<br>TP347                     | 0.125<br>TO<br>1.500                        | 3.18<br>TO<br>38.10                      | 0.51 AW<br>TO<br>3.76 AW                               | 0.020 AW<br>TO<br>0.148 AW                         | 130         | 39 |
| -554  | Welded Stainless Steel Mechanical Tubing  | TP304<br>TP304L<br>TP316<br>TP316L            | TP317L<br>TP317L<br>TP321<br>TP347                    | 0.125<br>TO<br>2.000                        | 3.18<br>TO<br>50.80                      | 0.020 AW<br>TO<br>0.120 AW                             | M0.51 AW<br>TO<br>3.05 MW                          | 130         | 39 |
| <b>ASTM B and ASME SB</b>   |   |   |   |   |  |  |  |             |    |
| <b>PRESSURE TUBING</b> <small>OTHER CORROSION RESISTANT NICKEL BASED ALLOYS AVAILABLE UPON REQUEST</small>            |   |   |   |   |  |  |  |             |    |
| -163  | Seamless Nickel and Alloy Condenser and Heat Exchanger Tubes  | ALLOY600                                      |   | 0.125<br>TO 1.000                           | 3.18<br>TO 25.40                         | 0.016 AW<br>TO 0.065 MW                                | 0.41 AW<br>TO 1.65 MW                              | 130         | 39 |
| -676  | UNS N08367 Welded Tube  | AL6XN®  |   | 0.500<br>TO 2.000                           | 12.70<br>TO 50.80                        | 0.016 AW<br>TO 0.134 AW                                | 0.40 AW<br>TO 3.40 AW                              | 130         | 40 |
| <b>AIRCRAFT SPECIFICATIONS</b> <small>ALL SPECIFICATIONS TO LATEST REVISION (INCLUDES ALL INTERMEDIATE SIZES)</small> |   |   |   |   |  |  |  |             |    |
| AMS: 5565K, 5564*, 5566* 5569, AMS-T-6845*<br>MIL-T: 6845D, 8504B, 8506AD   | PTCA-304  | S: 0.125 TO 1.000<br>W: 1.88 TO 4.000         | 3.175 TO 25.4<br>4.775 TO 101.6                       | 0.016 TO 0.065 AW<br>0.016 TO 0.218 AW      | 0.41 TO 1.65 AW<br>0.41 TO 0.55 AW       |  |  |             |    |
| MIL-T: 8808B, 8606C,<br>AMS 55571, 5576K, AMS-T-8606, AMS 5896, MIL-T 8808  | PTCA-321  | S: 0.125 TO 1.000<br>W: 1.88 TO 4.000         | 3.175 TO 25.4<br>4.775 TO 101.6                       | 0.016 TO 0.065 AW<br>0.016 TO 0.218 AW      | 0.41 TO 1.65 AW<br>0.41 TO 0.55 AW       |  |  |             |    |
| MIL-T: 8808, 8606, 8973 AMS - 5567E, 5897, 5575<br>AMS 55556, AMS 5580, MIL-T 8808                                    | PTCA-347  | S: 0.125 TO 1.000<br>W: 1.88 TO 4.000         | 3.175 TO 25.4<br>4.775 TO 101.6                       | 0.016 TO 0.065 AW<br>0.016 TO 0.218 AW      | 0.41 TO 1.65 AW<br>0.41 TO 0.55 AW       |  |  | 50          | 15 |
| AMS: 5561G, BMS 7-185E  | PTCA 21-6-9   | W: 1.88 TO 4.000                              | 4.775 TO 101.6  | 0.016 TO 0.218 AW                           | 0.41 TO 0.55 AW                          |  |  |             |    |
| AMS - 5581E   | PTCA 625  | W: 1.88 TO 4.000                              | 4.775 TO 101.6  | 0.016 TO 0.218 AW                           | 0.41 TO 0.55 AW                          |  |  |             |    |
| AMS 5568  | 17-7  | W: 1.88 TO 4.000                              | 4.775 TO 101.6  | 0.016 TO 0.218 AW                           | 0.41 TO 0.55 AW                          |  |  |             |    |



**PLYMOUTH TUBE CO. USA\***

Information contained in these charts may change without notice. Please contact Plymouth Tube Company Sales for special inquires or for requirements outside of the capabilities described above.

\*denotes 1/8th hard tubing

To receive technical information, obtain a quote or place an order:

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FAX: 1/630/393/3551

**Corporate Headquarters**  
29W150 Warrenville Rd.  
Warrenville, IL 60555

[www.plymouth.com](http://www.plymouth.com)

