Plymouth cold-drawn MLR (multi-lead ribbed) tubing increases boiler efficiency while providing better heat transfer. MLR tubing stimulates proper steam flow, preventing steam pockets and hot spots that will inevitably damage the tube.

Lengths up to 75 feet
Wide range of O.D.s and walls to fit your specialized requirements
Four-Directional full body testing
Multi-Lead Ribbed (MLR) Tubing with rifled I.D.
Special end finishing available
The only domestic source that offers both Cold Drawn and Hot Finished Boiler Tubes

The leading choice of utilities and boiler industries for decades. Plymouth knows the challenges involved in producing quality tubing that can stand up to the rigors of high pressure, high temperature applications. Plymouth Tube’s state-of-the-art manufacturing processes and advanced inspection and testing procedures ensure products that meet the most stringent requirements, such as the Department of Energy’s requirements for fossil fuel plants, electric power plants, industrial processing plants and cogeneration facilities.

Oil and natural gas manufacturers rely on Plymouth’s products for their accessory equipment used in exploration, drilling and production. They choose Plymouth products for their strength, corrosive resistance, weight reduction and total cost savings. Plymouth products can prolong equipment life cycles and minimize the need for replacement.

An experienced provider to the entire energy industry, Plymouth has the product and market knowledge, and the mill capabilities, to deliver the right solution for tough application requirements.

Drilling and exploration operations in the oil and natural gas industries use Plymouth tubing for its strength and weight reduction characteristics in very specialized component applications.

Plymouth Tube Co.
29W150 Warrenville Rd., Warrenville, Illinois 60555
800.323.9506 • 630.393.3550
www.plymouth.com • sales@plymouth.com
Boiler & Pressure Tubing

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<th>ASTM/ASME Specifications</th>
<th>Grade</th>
<th>OD Range (Inches)</th>
<th>Wall Range (mm)</th>
<th>Max. Length (ft)</th>
<th>Max. Length (m)</th>
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<tr>
<td>-106 Seamless Carbon Steel Tubing for High Pressure Service</td>
<td>A B C</td>
<td>Cold Drawn Hot Finished</td>
<td>1.250 - 6.000</td>
<td>31.75 - 152.40</td>
<td>0.105 - 1.000</td>
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<td>-179 Seamless Cold Drawn Low Carbon Steel Heat Exchanger &amp; Condenser Tubing</td>
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<tr>
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<td>A-1 C</td>
<td>Cold Drawn Hot Finished</td>
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<td>31.75 - 152.40</td>
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<td>Cold Drawn Hot Finished</td>
<td>1.250 - 6.000</td>
<td>31.75 - 152.40</td>
<td>0.105 - 1.000</td>
</tr>
</tbody>
</table>

Oil & Gas (Mechanical) Tubing

| -519/API Seamless Carbon & Alloy Steel Tubing | Carbon: 1008 to 1070, 1500 Alloy: 4100, 5100, 8600 series | Cold Drawn Hot Finished | 1.250 - 6.000 | 1.875 - 6.000 | 31.75 - 152.40 | 47.63 - 152.40 | 0.105 - 1.000 | 0.200 - 1.000 | 0.267 - 25.40 | 5.08 - 24.13 | 75 | 26 |

Boiler Tubing

- Seamless cold drawn and hot finished carbon and alloy steel boiler and superheater tubing

Specifications

Plymouth manufactures according to ASTM/ASME specifications among many other international standards (BS, DIN, JIS).

Tolerances

Seamless Hot Finish Tolerance Variations per ASTM A4501

Wall Tolerance (Over 0.180” Wall)

- 3” OD & Under +22% / -0%
- Over 3” OD +22% / -0%

OD Tolerance (All Walls)

- 3” OD & Under +0.016” / -0.016”
- Over 3” OD +0.016” / -0.024”

Seamless Cold Finish Tolerances per A4501

Wall Tolerance (Over 0.180” Wall)

- 3” OD & Under +22% / -0%
- Over 3” OD +22% / -0%

OD Tolerance (All Walls)

- Over 1 ½” OD to 2” OD, excl. +0.008” / -0.008”
- 2” to 2 ½” OD, excl. +0.010” / -0.010”
- 2 ½” to 3” OD, excl. +0.012” / -0.012”
- 3” to 4” OD, incl. +0.015” / -0.015”
- Over 4” OD +0.015” / -0.025”


Applications

- Boilers
- Heat exchangers
- Superheaters
- Gas and steam turbines
- HRSGs

Pressure Tubing

- Seamless carbon and alloy steel heat exchanger and condenser tubing
- Seamless carbon and alloy steel low temperature service tubing

Applications

- Heat exchangers
- Condenser tubing

Oil & Gas (Mechanical) Tubing

- Seamless Cold drawn and Hot finished carbon and alloy steel tubing

Specifications

Plymouth manufactures according to ASTM. ASME, customer specifications and ensures compliance with API standards.

Grades

4130 4140 8630

Applications

- Sucker rod couplings
- Pump barrels
- Pipe recovery tools
- Gas lift mandrels
- Perforator guns
- Pup joints
- Blast joints
- Stator tubes
- Other accessory products

Value-added Services

- Quench and temper
- Heat treating
- Special end finishing available
- Small minimum order quantities
- Meet specifications of the American Petroleum Institute (API)
- Local inventory of standard product at Plymouth distributors