



# PJ Tube Products and Services

PJ Tube is a world-class manufacturer and supplier of specialty ferrous and non-ferrous tubular metal products. Our carbon steel, stainless steel, aluminum, copper, brass and specialty alloy tubing is available in a variety of shapes and sizes. We provide long-length material off-the-mill or precision cut-to-length items fabricated to your specifications.

## Carbon Steel Drawn Over Mandrel (DOM) Tubing

- Size range: 0.1875" to 10.000" OD X 0.025" to 1.250" Wall
- ASTM A513-3, A513-4, A513-5, A513-6 (SSID), A519
- Standard material grades: 1008, 1010, 1020, 1026, 1516, 1520, 1526, 1530, 4130, 4140
- Additional but not limited to HSLA, ST 52.3 & ST 37.2
- SAE specifications: J524, J525, and J529
- DIN, STKM, EN, MILT and AMS (aircraft) specifications
- As drawn, stress relieved, normalized, cold drawn seamless, and bright annealed

## Carbon Steel Electric Weld (ERW) Tubing

- Size range: 0.156" to 12.000" OD X 0.020" to 0.250" Wall
- ASTM A500, A513-1, A513-2
- EDDS, DDS (replacement for AKDQ), HRPO, CRCQ, dual-phase steel HSLA grades
- Aluminized/galvanized
- Flash-in, flash-controlled or flash-removed
- SAE specifications: J356, J526, and J527
- DIN, STKM, EN, MILT and AMS (aircraft) specifications

## Stainless Steel, Nickel + Duplex Alloys Tubing

- Size range: 0.0200" – 8.000" OD X 0.005" – 0.300" Wall
- Medical + small diameter tubing: 0.004" – 0.204" OD X 0.001" – 0.015" Wall
- Seamless welded, welded and drawn tube + pipe
- 304, 316, 409, 410, 439, 465, 17-7 grades and duplex
- Long lengths, cut to length and coils
- Nickel alloy tubing: 200 & 201, monel, inconel, incoloy, hastelloy, titanium and other grades
- Duplex 2003, 2101, 2205 and super duplex 2507

## Aluminum Tubing + Coils

- Aluminum straight lengths: 0.062" – 8.000" OD X 0.014" to 0.500" Wall
- Stock aluminum coils: 0.125" – 0.625" OD
- 2024, 3000, 5000, 6000 and 7075 series
- Variety of tempers
- Straight lengths, shapes and extrusions

## Copper Tubing + Coils

- Copper straight lengths: 0.010" – 2.500" OD X 0.0025" – 0.188" Wall
- Stock copper coils: 0.125" to 0.875" OD
- Stock tin-lined copper coils: 0.250" to 0.625" OD
- Brass and CuproNickel

## Seamless Stainless Steel Coils

- Stock sizes: 0.125" to 0.750" OD (metric sizes available)
- 2.5% min molly 304/304L, 316/316L, 317/317L and duplex 2205.
- Superior ID finish (15 RA)
- Longest seamless stainless coils in the industry



# PJ Tube

Phillips & Johnston  
INC.

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# PJ Tube Cutting and Fabrication Capabilities

PJ Tube offers a wide variety of cutting/finishing/fabrication services that allow you to meet your end-use tubing requirements, without depending on multiple and third-party vendors. Working with a vertically integrated company that can manufacture your product from start to finish provides you with built-in quality assurance and scheduling advantages that keep your projects on track.

Available services include:

## Precision Cutting and Fabrication

- OD range: 0.250" to 24" OD
- Length capabilities: 0.395" – 240"
- Cut tolerance: +/- 0.002"
- End Finish: OD/ID chamfering, grooving, facing/machining, brush, deburr/tumbling
- Infinite angle or radius capabilities
- Rounds, squares, rectangles, shapes and bar
- Bundles up to 12" X 24"

## Surface Finishing

- Grit blasting
- Rust removal
- Tin coating
- Passivation
- Anodizing
- Polishing
- Plating

## Medical and Small Diameter Tube Fabrication

- Cut to length: 0.008" to 60"
- Long lengths and coils
- Cut tolerance: +/- 0.001"
- Burr-free cutting, needle tips, bending, slotting/notching, closed ends, bulging/beading, flared/expended ends, holes and swaging

## Inventory Management

- Stocking programs to minimize customers' inventory
- Bar coding, allowing traceability through production
- MRP inventory management system, including Packed-to-Order (PTO) and Labeled-to-Order (LTO) options
- EDI capability, allowing us to coordinate with customer purchasing systems
- Rapid shipment release for expedited delivery

## Laser Cutting and Fabrication

- OD range: 1/2" to 6" (round); 1/2" x 1/2" to 5" x 5" (square/rectangle)
- Length capabilities: 0.020" to 168"
- Cut tolerance: +/-0.010"
- Type of cut: Laser – straight, mitre, notch, hole, cope, etching, slotting and other options
- Best suited: Material max wall thickness: Mild steel (.315"); stainless (.197"); aluminum (.236"); copper (.118"); and brass (.197")

## Additional Precision Fabrication Services

- Drilling/piercing
- Flattening
- Notching, coping, and saddle cutting
- Expanding, reducing, and flaring
- Grinding
- Swaging
- Bending
- Threading
- Honing
- Heat Treating
- Finning



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