



Ornamental (ASTM A554 Tubing)

United Industries has produced stainless steel tubing to ASTM A554 specifications for over 35 years. Our ornamental products are produced for a wide range of applications including tubing for mirror bracket arms, boat rails and ladders, washroom grab bars, swim pool rail goods, medical equipment, automotive step bars and grille guards, among many others. All 300 series austenitic tubing is produced in the surface finish and packaging requirements specified by our customers.

MANUFACTURING:

United Industries uses only raw material from approved steel suppliers for all of our ornamental ASTM A554 tubing, with specific Rockwell and surface finish requirements. We slit the wide coils in-house to specific widths. Tube production is completed entirely inline, beginning with high quality roll form tooling that minimizes marking, then TIG (Tungsten Inert Gas) welding or laser welding, ID and OD weld bead conditioning, final sizing, cut to length, deburring, specified polishing, surface finish protection and packaging for shipment. This inline process keeps work-in-process problems to a minimum and reduces material handling.

POLISHING:

United Industries offers a wide variety of mechanical surface finishes, ranging from the 180 grit satin often used for washroom grab bars to the super-buff finish preferred for automotive accessory tubing. We also offer the highest quality as-welded surface for our customers who mechanically polish the tubing themselves or who have it electropolished. Our in-house sample electropolish testing tank ensures that you receive the surface condition required for these applications.

QUALITY/TESTING:

Our tube mill operators complete all required ASTM and customer specifications testing, based on fabrication and surface finish requirements. Mechanical tests are performed at regular intervals, and all tubing is 100% inline eddy current tested. If the tubing is to be mandrel bent, ID tolerances are critical. Therefore, plug gauges are utilized to ensure adequate clearance and customer-required dimensions are met. Mechanical polishing compounds and equipment are continually monitored using polished tube samples.

PRODUCT DELIVERY:

A wide range of transportation options are available for fast deliveries across North America. United Industries' JIT manufacturing capabilities allow us to accommodate fast order turnaround to meet customer requirements.

ISO/TS19649:2002 Registered Quality Management System



The Standard of Excellence

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Why Choose United Industries?

FULL-SERVICE CAPABILITIES:

- United Industries offers a broad range of products in a variety of stainless steels.
- We are fully compliant to industry standards including 3A, BPE, ASME, and ASTM.

WE TAKE QUALITY ASSURANCE SERIOUSLY:

- "To the minute" production traceability.
- ISO/TS16949:2002 Registered Quality Management System (RQMS) standards are applied to all products manufactured by United Industries.
- ISO/TS16949:2002 RQMS standards are aimed at absolute customer satisfaction in addition to ongoing manufacturing process improvements and innovations.

CUSTOMER SERVICE IS PART OF UNITED INDUSTRIES' CULTURE:

- Instant Defect Detection.
- Operators are also "Inspectors."
- Inspectors are also "Auditors."
- Customer Satisfaction is our ultimate quality standard.

Capabilities

COMPLETE APPLICATIONS ENGINEERING AND METALLURGY

TYPES:

- ASTM SA249 Boiler/Heat Exchanger
- ASTM A268 Ferritic
- ASTM A269 General Services
- ASTM A270 Sanitary/Pharmaceutical
- ASTM A554 Ornamental

GRADES:

- Stainless 301 302, 304, 304L, 316, 316L, 309, 309S, 310, 321, 12SR/408CB, 18SR, 18CB/441, 29-4C, 317, 317L
- Stainless 405, 409, 410, 430, 439
- Super Alloys

SIZES:

- 1/2" – 6"
- .019" – .145" wall

LENGTHS:

- 1" – 60'

SURFACE FINISH:

- Mechanical Polish 20 Ra/32 Ra
- Electro Polish 15 Ra/10 Ra
- Hydrogen Bright Annealing (H-BA)

PLANT FACILITIES:

- 200,000 Sq. Ft. (Beloit, WI and Selmer, TN)
- Slitting Line
- 9 laser mills
- 7 TIG mills
- Inline induction annealing and H-BA

PACKAGING:

- Square pack, scored cardboard, tri-wall box, paper/poly sleeve, interleave, interweave, cardboard tubes, hex pack, bulk skids, customer returnables
- Export packaging available

FINISHED INVENTORY:

- Sanitary and H-BA 1"-6", 304L and 316L

QUALITY ASSURANCE/TESTING:

- Quality Management System
- Inline Eddy Current
- Expansion
- Flatten
- Tension
- Rockwell
- Metallurgical
- Dimensional
- Bend
- Flare
- Reverse Bend
- Flange
- Surface Roughness
- Surface Passivity
- Others Upon Request

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