



ASTM • ASME • ISO STANDARDS

PRODUCT CATALOGUE

2026 EDITION

Precision Tubes & Fittings

INSTRUMENTATION TUBES



PNEUMATIC TUBES



ELECTROPOLISHED TUBES



HEAT EXCHANGER TUBES



CONDENSER TUBES



HYGIENIC / SANITARY TUBES



PURIFIED WATER TUBES



REFRIGERATION CU TUBES



CU TUBES - PVC COATED



ABOUT US

WHO WE ARE

Engineered Tubes. Trusted Standards.

Yash Tubes & Fittings Co. is a Mohali-based distributor and stockist specializing in precision tubing and fitting solutions for instrumentation, process, pneumatic, heat-transfer, and refrigeration applications. We supply high-quality products manufactured in accordance with internationally recognized ASTM/ASME and ISO standards.

We maintain ready stock of a wide range of tubing and fittings to support fast project execution and reduced lead times. Custom sizes and application-specific solutions are available to meet diverse industrial requirements.

OUR SPECIALITY

QUALITY TUBING. RELIABLE SOLUTIONS.



- ASTM / ISO / ASME**
certified tubing across all categories.
- READY STOCK**
for fast dispatch – reduced project lead times.
- CUSTOM SIZES**
and application-specific solutions available.
- SERVING**
Pharmaceuticals, Chemicals, Power, Food, Dairy industries and other OEMs, EPC contractors, fabricators, and process industries.
- DEDICATED TECHNICAL**
support for correct grade and size selection.
- COMPETITIVE PRICING**
with reliable quality assurance.



- PHARMACEUTICALS
- CHEMICALS
- POWER
- FOOD & DAIRY
- OEMs, EPC CONTRACTORS & FABRICATORS

PREMIUM QUALITY | WIDE RANGE | LARGE READY STOCK | TIMELY DELIVERY | TRUSTED PARTNER

INSTRUMENTATION TUBES

High-precision tubing for critical measurement and control systems

Instrumentation tubes are precision-manufactured stainless-steel tubes used in high-accuracy measurement, sensing, and control applications in Pharmaceuticals, Oil & Gas, petrochemical, power generation, and process industries. Tight dimensional tolerances and superior surface finish ensure leak-free connections at impulse and sampling lines.

INSTRUMENTATION TUBES

Precision-engineered seamless tubes designed for high performance in instrumentation and control systems across industries.



High Accuracy
Tight dimensional tolerance for leak-free performance



Corrosion Resistance
SS 304/304L, SS 316/316L and other high-performance materials



High Pressure Strength
Reliable performance in high pressure applications



Wide Range
OD: 1/8" to 2"
WT: 0.28 mm to 6.0 mm



Applications
Oil & Gas, Chemical, Petrochemical, Pharmaceutical, Power, Water Treatment and more



SEAMLESS CONSTRUCTION



PRECISE DIMENSIONS & TOLERANCES



LEAK-FREE PERFORMANCE



RELIABLE & DURABLE



CUSTOM SIZES AVAILABLE

Parameter	Range / Values
Outer Diameter (OD)	1/8" (3.175 mm) to 1" (25.4 mm) – Fractional; 6 mm to 25 mm – Metric
Wall Thickness (WT)	0.5 mm to 3.0 mm (standard gauges)
Length	6 m random or fixed lengths; cut-to-length on request
Tolerance	OD: ±0.05 mm; WT: ±10% as per ASTM A269

Manufacturing Standards	Scope / Specification
ASTM A269, ASTM A213	Seamless & welded SS tubes for instrumentation, hydraulic and control line applications.

ELECTROPOLISHED TUBES

Mirror-finish tubing for the cleanest, purest process environments

Electropolished tubes undergo an electrochemical surface finishing process that removes the outermost layer of steel, eliminating micro-burrs, surface defects, and free iron. The result is an ultra-smooth, highly reflective inner surface with significantly enhanced corrosion resistance.

ELECTROPOLISHED TUBES

Superior Surface Finish. Maximum Purity. Optimal Performance.






Electropolished tubes offer a smooth, bright, contamination-free surface that enhances corrosion resistance and flow performance, making them ideal for critical and high-purity applications.

- 
SUPERIOR SURFACE FINISH
 Electropolishing removes microscopic imperfections, leaving a smooth, bright and uniform surface.
- 
ENHANCED CORROSION RESISTANCE
 Improved passivation and a clean surface enhance resistance to corrosion and chemical attack.
- 
IMPROVED FLOW & CLEANLINESS
 Reduced surface roughness minimizes friction, prevents particle adhesion and ensures better flow characteristics.
- 
HIGH PURITY & HYGIENE
 Ideal for ultra-clean, sterile and high-purity environments where contamination control is critical.
- 
CONSISTENT QUALITY
 Uniform finish and dimensional accuracy ensure reliable and repeatable performance in demanding applications.



IDEAL FOR

- 
Pharmaceutical Industry
- 
Biotechnology
- 
Food & Beverage
- 
Semiconductor
- 
Chemical Processing
- 
Water Treatment
- 
Oil & Gas
- 
Instrumentation & Control Systems

-  Mirror-Like Finish
-  Better Corrosion Protection
-  Easy to Clean
-  Longer Service Life
-  High Purity & Reliability

Type	Description
ID Electropolished	Internal diameter polished; Ra ≤ 0.25 µm; preferred for product contact surfaces
OD + ID Electropolished	Both surfaces polished; for visible installations and ultra-clean environments
Mechanically Polished + EP	Pre-polished then electropolished for mirror finish Ra ≤ 0.1 µm

Parameter	Range / Values
Outer Diameter (OD)	6 mm to 168.3 mm (standard process pipe and tube sizes)
Wall Thickness (WT)	1.0 mm to 5.0 mm
Surface Finish (Ra)	≤ 0.8 µm (standard EP) to ≤ 0.1 µm (high-purity EP)
Length	Up to 6 m; special lengths on request

PNEUMATIC TUBES

Reliable air and gas conveyance for automation and control systems

Pneumatic tubes convey compressed air, inert gases, and control signals in automation, valve actuation, and process control applications. Manufactured from PU, PTFE & Nylon, they offer superior pressure resistance and corrosion resistance in industrial environments.

PNEUMATIC TUBES

Performance • Flexibility • Reliability

High-quality pneumatic tubes designed for efficient and reliable performance in pneumatic systems and industrial automation.



PU (POLYURETHANE) TUBES

- Excellent flexibility
- Abrasion resistant
- Wide temperature range
- High kink resistance



NYLON (PA) TUBES

- High pressure resistance
- Good mechanical strength
- Low moisture absorption
- Excellent dimensional stability



PTFE TUBES

- Excellent chemical resistance
- Wide temperature range
- Low friction, non-stick
- Suitable for harsh environments



TYPICAL APPLICATIONS



Industrial Automation



Pneumatic Control Systems



Pneumatic Tools



Packaging Machines



Air Brake Systems



Instrumentation & Control Lines

Parameter	Range / Values
Outer Diameter (OD)	6mm, 8mm, 10mm, 12mm
Wall Thickness (WT)	0.5 mm to 2.5 mm
Working Pressure	Up to 300 bar depending on OD and WT (ASME calc.)
Length	6 m standard, coils available for smaller ODs

Manufacturing Standards	Scope / Specification
ISO 14743, DIN 73378, ASTM D3295 (PTFE), ASTM D6778 (PU)	Tubing for pneumatic systems, automation, air control and fluid transfer applications.

HEAT EXCHANGER TUBES

Efficient thermal transfer tubing for shell-and-tube and other exchangers

Heat exchanger tubes are precision-drawn tubes used as the primary heat transfer element in shell-and-tube heat exchangers, feedwater heaters, and condensers. They must withstand cyclic thermal stresses, high pressures, and corrosive process fluids, making material selection and dimensional accuracy critical.



HEAT EXCHANGER TUBES

Engineered for efficient heat transfer, superior corrosion resistance and long service life in critical heat exchange applications across industries.



MATERIAL OF CONSTRUCTION (MOC)
 SS 304/304L, SS 316/316L, Admiralty Brass (C44300),
 Cu-Ni 90/10, Cu-Ni 70/30, Titanium Gr. 1/2,
 Duplex 2205 and more.



PRODUCT TYPES
 Seamless (Cold Drawn), Welded (ERW),
 U-Bent Tubes, Finned Tubes.



DIMENSIONAL RANGE
 OD: 5/8" (15.875 mm) to 1-1/4" (31.75 mm) most common;
 12 mm to 38 mm metric
 WT: BWG 8 (4.19 mm) to BWG 22 (0.71 mm);
 typically BWG 14-18 for HX
Length: Up to 6 m standard; up to 12 m for
 large shell-and-tube exchangers
Tolerance: OD: ±0.08 mm; WT: ±10%
 per ASTM A688 / A213



KEY FEATURES

- > Tight OD tolerances ensure proper tube-to-tubesheet fit and seal
- > Available with test certificates – hydrostatic, eddy current, PMI
- > U-bend tubes available with controlled bend radii to TEMA specifications
- > Fin geometry (low-fin, high-fin) available for enhanced heat transfer coefficient



MANUFACTURING STANDARDS

- **ASTM A213** – Seamless ferritic and austenitic alloy steel boiler, superheater, and HX tubes
- **ASTM A249** – Welded austenitic SS boiler, superheater, heat exchanger, and condenser tubes
- **ASTM B111** – Copper and copper-alloy seamless condenser and HX tubes
- **ASTM B338** – Seamless and welded titanium and titanium alloy tubes for condensers & HX
- **TEMA** – Tubular Exchanger Manufacturers Association standards for HX design
- **ASME Section VIII** – Pressure vessel code covering design of HX tube bundles



TYPICAL APPLICATIONS

- Oil & Gas / Refinery**
 Crude oil pre-heaters, overhead condensers, amine gas coolers
- Power Generation**
 Feedwater heaters, steam condensers, nuclear heat exchangers
- Chemical Industry**
 Acid coolers, solvent condensers, reactor product coolers
- Marine / Offshore**
 Seawater cooled central coolers, lube oil coolers, jacket water coolers
- HVAC / Refrigeration**
 Chiller evaporators and condensers, heat recovery units



PRECISE DIMENSIONS & TOLERANCES



SUPERIOR CORROSION RESISTANCE



HIGH STRENGTH & LONG SERVICE LIFE



RELIABLE & PERFORMANCE DRIVEN



CUSTOM SIZES & ALLOYS AVAILABLE

Manufacturing Standard	Scope / Specification
ASTM A213, ASTM A249, ASTM A688	Seamless and welded stainless steel tubes for boilers, heat exchangers and process heating equipment.

CONDENSER TUBES

High-performance tubing for steam, refrigerant, and cooling water condensers

Condenser tubes are used in surface condensers where steam or vapor is condensed by cooling water or air flowing across the tube bundle exterior. They require excellent resistance to erosion-corrosion from high-velocity water and consistent wall thickness for reliable thermal performance.

CONDENSER TUBES

Durable and efficient tubes designed for condenser applications ensuring optimal heat exchange and long service life.



High Thermal Conductivity
Ensures efficient heat exchange



Corrosion Resistant
Withstands aggressive environments



Leak-Free Performance
Precision manufacturing for reliable operation



Wide Range
OD: 1/4" to 1"
WT: 0.5 mm to 4.0 mm



Applications
Condensers, Power Plants, HVAC,
Chemical & Petrochemical and more



HIGH THERMAL CONDUCTIVITY



CORROSION RESISTANT



LEAK-FREE PERFORMANCE



ENERGY EFFICIENT



CUSTOM SIZES AVAILABLE

Manufacturing Standards	Scope / Specification
ASTM A249, ASTM A213, ASTM B111	Stainless steel and copper alloy tubes for condensers and heat transfer equipment.

HYGIENIC & SANITARY TUBES

Cleanroom-ready tubing designed for product contact in sensitive industries

Hygienic and sanitary tubes are designed for direct product contact in food, dairy, beverage, pharmaceutical, and cosmetics processing. They feature smooth internal bores, crevice-free butt-weld joints, and surface finishes that resist microbial adhesion and enable effective CIP and SIP cleaning cycles.

Manufacturing Standards	Scope / Specification
ASTM A270, ASME BPE, DIN 11 EN 10357, ISO 2037	Hygienic stainless-steel tubing for pharmaceutical, dairy, food & beverage, and biotechnology industries.

HYGIENIC & SANITARY TUBES

Hygienic stainless steel tubes with superior surface finish for ultra-clean and contamination-free applications.



- 
High Surface Finish
 Smooth, polished surface
 (Ra ≤ 0.5 μm)
- 
Corrosion Resistant
 Superior resistance to corrosion and staining
- 
High Purity & Cleanliness
 Suitable for sterile and hygienic environments
- 
Wide Range
 OD: 1/4" to 4"
 WT: 0.7 mm to 3.0 mm
- 
Applications
 Pharmaceutical, Food & Beverage, Dairy, Biotechnology and more



HIGH SURFACE FINISH



CORROSION RESISTANT



HIGH PURITY & CLEANLINESS



STERILE PERFORMANCE



CUSTOM SIZES AVAILABLE

PURIFIED WATER TUBES

Ultra-clean tubing for PW, WFI, and WPU distribution systems

Purified Water (PW) and Water for Injection (WFI) tubes are the highest-specification stainless steel tubes used in pharmaceutical water systems. They must meet USP/Ph. Eur. water quality requirements, support continuous recirculation, and be CIP/SIP compatible. Surface quality and full documentation traceability are mandatory.

Manufacturing Standards	Scope / Specification
ASTM A270, ASME BPE, ASTM A269	High-purity stainless steel tubing for Purified Water (PW), Water for Injection (WFI), and clean utility systems.

PURIFIED WATER TUBES

High purity stainless steel tubes designed for purified water systems ensuring clean, safe and reliable performance.



High Purity & Cleanliness

Electropolished for contamination-free flow



Corrosion Resistant

Superior resistance for long service life



Leak-Free & Reliable

Precision tubes for safe water systems



Wide Range

OD: 1/4" to 2"
WT: 0.7 mm to 3.0 mm



Applications

Purified Water Systems, Pharma, Biotech, Labs, Food & Beverage and more



HIGH PURITY & CLEANLINESS



CORROSION RESISTANT



LEAK-FREE PERFORMANCE



SAFE & RELIABLE WATER FLOW



CUSTOM SIZES AVAILABLE

REFRIGERATION CU TUBES

High-efficiency copper tubing for HVAC and refrigeration systems

Refrigeration Copper Tubes are precision-drawn, seamless tubes designed for refrigerant and air-conditioning circuits. They ensure optimal heat transfer, leak-free performance, and long-term durability under high pressure. Manufactured to ASTM B68/B280 standards, these tubes are available in straight lengths and coils. Their smooth internal surface minimizes friction losses, while corrosion resistance supports extended service life.

Manufacturing Standards	Scope / Specification
ASTM B280, ASTM B68, ASTM B75, EN 12735-1	Seamless copper tubes for refrigeration, air-conditioning, HVAC and cooling systems.

REFRIGERATION CU TUBES

High quality copper tubes designed for efficient heat transfer and reliable performance in refrigeration systems.



High Thermal Conductivity

Excellent heat transfer efficiency



Corrosion Resistant

Reliable in refrigeration environments



Ductile & Easy to Bend

Easy installation and long service life



Wide Range

OD: 1/8" to 7/8"
WT: 0.35 mm to 1.65 mm



Applications

Refrigeration, Air Conditioning, HVAC, Cooling Systems and more



HIGH THERMAL CONDUCTIVITY



CORROSION RESISTANT



EASY TO BEND & INSTALL



RELIABLE PERFORMANCE



CUSTOM SIZES AVAILABLE

CU TUBES-PVC COATED

Durable copper tubing with protective PVC coating

Cu Tubes PVC Coated are designed for plumbing, refrigeration, and industrial applications where enhanced mechanical protection and corrosion resistance are required. The PVC layer shields the copper from moisture, chemicals, and mechanical wear, ensuring long service life and reliable performance. These tubes combine copper's excellent thermal and electrical conductivity with the added durability of a polymer coating.

Manufacturing Standards	Scope / Specification
ASTM B280, ASTM B68, ASTM B75, EN 12735-1	PVC-coated seamless copper tubes for refrigeration, HVAC, plumbing and process cooling applications.

CU TUBES – PVC COATED

Copper tubes with durable PVC coating for enhanced protection, insulation and long-lasting performance in various applications.



Corrosion & Moisture Resistant
PVC coating protects against corrosion and moisture



Good Thermal Conductivity
Efficient heat transfer performance



Durable & Flexible
Strong, flexible and easy to install



Wide Range
OD: 1/4" to 7/8"
WT: 0.35 mm to 1.24 mm



Applications
Air Conditioning, Refrigeration, Plumbing, HVAC and more



CORROSION & MOISTURE RESISTANT



GOOD THERMAL CONDUCTIVITY



DURABLE & FLEXIBLE



LONG LASTING PROTECTION



CUSTOM SIZES AVAILABLE

INSTRUMENTATION TUBE FITTINGS

Precision-engineered stainless-steel fittings for leak-proof, high-pressure tube connections.

Manufactured from premium materials and engineered to international standards, our fittings ensure secure, leak-proof, and durable connections for instrumentation, hydraulic, pneumatic, and process applications.

INSTRUMENTATION FITTINGS

Precision fittings for instrumentation and control systems.



APPLICATIONS



PNEUMATIC FITTINGS

High-performance fittings for pneumatic systems ensuring leak-free connections.



APPLICATIONS



ELECTROPOLISHED FITTINGS

Electropolished fittings for critical and high-purity applications.



APPLICATIONS



HEAT EXCHANGER FITTINGS

Durable fittings for heat exchangers and boilers built for high temperature & pressure.



APPLICATIONS



CONDENSER FITTINGS

Reliable fittings for condenser and cooling system applications.



APPLICATIONS



HYGIENIC / SANITARY FITTINGS

Hygienic fittings for sanitary and aseptic systems.



APPLICATIONS



PURIFIED WATER FITTINGS

High-purity fittings for WFL, PW and ultrapure water systems.



APPLICATIONS



REFRIGERATION COPPER FITTINGS

Copper fittings for refrigeration and HVAC systems.



APPLICATIONS



COPPER FITTINGS – PVC COATED

Copper fittings with PVC coating for corrosion protection and durability.



APPLICATIONS



INSTRUMENTATION FITTINGS



MATERIAL (MOC)

SS 304 / 304L / 316 / 316L,
Brass, Carbon Steel, Alloy 400

SIZE RANGE

OD: 1/16" to 2"
(1.6 mm to 50.8 mm)

PNEUMATIC FITTINGS



MATERIAL (MOC)

Brass, SS 303 / 304,
Engineering Plastic

SIZE RANGE

OD: 4 mm to 16 mm
(5/32" to 5/8")
BSPT: 1/8" to 1/2"

ELECTROPOLISHED FITTINGS



MATERIAL (MOC)

SS 304 / 304L / 316 / 316L

SIZE RANGE

OD: 1/4" to 4"
(6.35 mm to 101.6 mm)
BPE: 1/4" to 4"

HEAT EXCHANGER FITTINGS



MATERIAL (MOC)

SS 304 / 304L / 316 / 316L,
Carbon Steel, Alloy Steel

SIZE RANGE

OD: 1/4" to 2"
(6.35 mm to 50.8 mm)
NPT: 1/8" to 2"

CONDENSER FITTINGS



MATERIAL (MOC)

SS 304 / 304L / 316 / 316L,
Brass, Cu-Ni

SIZE RANGE

OD: 1/4" to 2"
(6.35 mm to 50.8 mm)
NPT: 1/8" to 2"

HYGIENIC / SANITARY FITTINGS



MATERIAL (MOC)

SS 304 / 304L / 316 / 316L

SIZE RANGE

OD: 1/4" to 4"
(6.35 mm to 101.6 mm)
BPE: 1/4" to 4"

PURIFIED WATER FITTINGS



MATERIAL (MOC)

SS 316L / 304L

SIZE RANGE

OD: 1/4" to 3"
(6.35 mm to 76.2 mm)
BPE: 1/4" to 3"

REFRIGERATION CU FITTINGS



MATERIAL (MOC)

Copper (C12200)

SIZE RANGE

OD: 1/4" to 2-5/8"
(6.35 mm to 66.7 mm)

CU FITTINGS – PVC COATED



MATERIAL (MOC)

Copper (C12200)
with PVC Coating

SIZE RANGE

OD: 1/4" to 2-1/8"
(6.35 mm to 53.98 mm)

CONTACT

REQUEST FOR QUOTATION

We welcome enquiries from engineers, procurement teams, OEMs, EPC contractors, and fabricators. Please share your requirements and we will respond with a competitive quotation promptly.

Contact Information

Contact Method	Details
Email	yashtubes.sales@gmail.com
Phone / WhatsApp	+91 7018824002
Warehouse Address	F-242, Phase 8B Industrial Area, Mohali, SAS Nagar, Punjab -160071 INDIA
Working Hours	Monday – Saturday, 9:00 AM to 6:00 PM

When Submitting an RFQ, Please Include:

- › Tube type / product category
- › Material grade required (e.g., SS 316L, SS 304, Cu-Ni, Titanium)
- › Outer diameter (OD) and wall thickness (WT) or schedule
- › Length required (standard or cut-to-length)
- › Quantity (in meters, pieces, or kg)
- › Applicable standard / specification (ASTM, ISO, DIN, etc.)
- › Delivery location and required timeline
- › Any third-party inspection or test certificate requirements

YASH TUBES & FITTINGS CO.

Precision. Quality. Reliability.

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