



OM STEEL TUBES LTD.

Manufacturers Of
Stainless Steel Capillary Tubes
and Pipes.

ACCREDITED WITH ISO 9001 : 2015 | IATF 16949 : 2016 | ISO 14001:2015 | ISO 45001 : 2018



Company Overview

Founded in 1981, OM Steel Tubes Limited is a pioneering manufacturer of Stainless Steel Capillary, Miniature Fine Precision Tubings, and specialized large diameter Stainless Steel Tubes in India.

Accredited with ISO 9001:2015, IATF 16949:2016, ISO 14001:2015, and ISO 45001:2018, we leverage cutting-edge technology and machinery from Japan, coupled with a team of highly skilled professionals and engineers.

We ensure the delivery of high-precision, accurate products to a diverse range of industries, including healthcare (Medical Disposables), Automobile components (Fuel Injection Assemblies, EGR coolers), Electrical and Domestic Appliances, Heat Exchangers, Immersion Rods, Refrigeration, Food & Beverage handling equipment, Industrial Instrumentation/ Process Control instruments, etc. on a global scale.

Our commitment to quality and precision ensures that we provide our domestic and international customers with superior products at competitive prices, guaranteeing reliable and timely delivery to support our customers' growth.



Mr. Vivek Gupta
Managing Director



Mr. Vineet Gupta
Executive Director



Mr. Vaibhav Gupta
Director



Ms. Sejal Gupta
Director



“ Mission

At Om Steel Tubes Limited, our mission is to manufacture and deliver stainless steel tubings of unparalleled precision and quality. Using advanced Japanese technology and our skilled team, we aim to meet global industry needs, including healthcare, while promoting sustainability and ensuring employee safety and well-being.



EXCELLENCE AND PRECISION

We commit to the highest quality and precision in our manufacturing, ensuring exceptional product performance.



SAFETY AND INTEGRITY

We strictly adhere to regulatory and ethical standards, ensuring a safe and healthy workplace for our team and community.



SUSTAINABILITY

We actively reduce our environmental impact by minimizing CO2 emissions and optimizing the use of energy and water.



INNOVATION AND IMPROVEMENT

We are committed to continual enhancement of our products and processes through advanced technology, training, and open communication.

“ Vision

To become a global leader, we aim to provide world-class, innovative, and bespoke solutions that precisely meet the needs of our customers. We are committed to building long-term, STAINLESS relationships with all our business partners and employees.



CUSTOMER SATISFACTION

We offer competitive pricing and reliable delivery to foster our customers' growth and success.



TEAMWORK AND ENGAGEMENT

We empower our employees with training and communication, fostering a collaborative and productive work environment.

In-House Testing Facility

Om Steel Tubes Limited is a premier manufacturer of stainless steel tubings, renowned for its expertise in producing high-precision capillary and specialized large-diameter tubes.

Established in 1981 and ISO certified, we leverage advanced Japanese technology alongside a state-of-the-art laboratory equipped with modern instruments.

Supported by a highly skilled workforce, we consistently deliver superior quality products to various industries worldwide.

Our commitment to continuous improvement in process, technology, and product quality, coupled with a focus on sustainability and efficiency, ensures we meet the evolving needs of our customers while maintaining competitive costs and fostering employee engagement.



ACCREDITED WITH
ISO 9001 : 2015
IATF 16949 : 2016
ISO 14001:2015
ISO 45001 : 2018



Spectrometer



Weld Penetration



Vicker Hardness Tester



Surface Roughness



Corrosion Testing



Contour



Microscope



Die Polish



HRB Hardness Tester



UTS Machine



Microscope



Stiffness Tester



Quality Assurance



EXCELLENCE AND PRECISION

We commit to the highest quality and precision in our manufacturing, ensuring exceptional product performance.



BOOST PRODUCTIVITY

Enhance productivity by minimizing waste and optimizing resource use to achieve maximum efficiency.



EMPLOYEE ENGAGEMENT

Engage employees with motivation, training, and effective communication to foster a collaborative and innovative work environment.



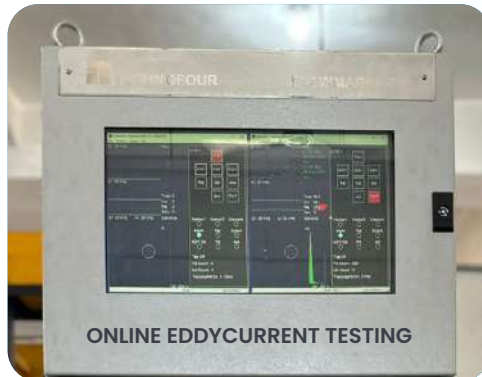
ADAPT TO CUSTOMER NEEDS

Regularly engage with customers to adapt products to their evolving needs and ensure continuous improvement.



COST MANAGEMENT

Monitor and control production costs to enhance the company's profitability while maintaining the quality and integrity of our products.



Infrastructure



Manufacturing Process

At Om Steel Tubes Limited, we employ a meticulously engineered manufacturing process to produce superior quality stainless steel tubes.

Our approach combines advanced techniques in welding, cold drawing, and bright annealing to ensure that every product not only meets but exceeds industry standards.

Below, we detail the sophisticated processes that define our production line, from initial material handling to the final stages of tube finishing.



WELDING:

Our tubing is made from cold-rolled metal strips formed into tubes and welded without fillers, ensuring a homogeneous composition. The process includes precise thickness control and visual inspection for defects, offering cost-effective alternatives to seamless tubing. Tubes undergo online eddy-current testing for defect-free assurance.



COLD DRAWING:

Tubes are drawn through a die to reach desired sizes, with intermittent bright annealing between draws to maintain ductility and quality. The weld area blends seamlessly with the parent metal, detectable only through specialized testing, ensuring uniform properties throughout.



BRIGHT ANNEALING:

Our tubes are bright annealed in advanced furnaces that prevent oxidation and scaling, preserving their bright surface and corrosion resistance. This process, using furnaces imported from Japan, ensures optimal solutionizing of the matrix and enhances tube quality and appearance.

Stainless Steel Tubes

Fine Stainless Steel Tubes are crucial for countless applications requiring precision components. At Om Steel Tubes Limited, we manufacture Austenitic Stainless Steel Tubes ranging from 0.30 mm to 31.75 mm in outer diameter & 0.06 mm to 2.00 mm in wall thickness.

This extensive capability enables us to cater to a wide array of applications including:

Disposable Hypodermic Needles, Cannulae, Special Purpose Needles	Domestic Appliances and Refrigeration Systems	Capillary Thermostats and Thermometers
Heating Elements, Heat Exchangers, Immersion Heaters	Water Geyser Assembly	Food and Beverage Processing Equipment
Automotive Components, Fuel Injection Assemblies, EGR Coolers	Pressure Gauges & Chromatography Instruments	Process and Thermostatic Control Instruments / Industrial Instrumentation

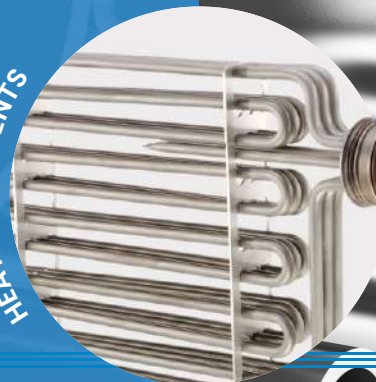
AUTOMOBILE COMPONENTS



BOURDON TUBE PRESSURE GAUGE



HEATING ELEMENTS



MATERIALS:

We utilize all common austenitic grades such as AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404), 316Ti (EN 1.4571), and 321 (EN 1.4541), nickel alloy grades such as INC 800 and INC840 conforming to AISI and other international standards.

SPECIFICATIONS:

Our products adhere to ASTM A269, A249, A213, A312 to A450, A1016, EN, DIN standards, and/or any specifications the customer requires.

SIZE RANGE:

We offer a complete range from 0.30 mm to 31.75 mm O.D. and from 0.06 mm to 2.00 mm in thickness.

LENGTH RANGE:

Up to 6 meters or available in long continuous coils.



Size Chart

WE CAN MANUFACTURE ANY AND EVERY POSSIBLE CONFIGURATION (ANY O.D, ANY W.T) WITHIN THE BELOW RANGE.

W.T. IN MM

O.D in mm	0.1	0.15	0.20	0.25	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.2	1.5	1.6	2
<= 1.0 mm	✓	✓	✓	✓	✓	✓									
1.0 – 2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓						
2.0 – 3.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
3.0 – 4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
5.0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
6.0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
6.35		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7.94 / 8.0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
9.52			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10.0				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12.0						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.7						✓	✓	✓	✓	✓	✓	✓	✓	✓	
14.0						✓	✓	✓	✓	✓	✓	✓	✓	✓	
15.8						✓	✓	✓	✓	✓	✓	✓	✓	✓	
19.05								✓	✓	✓	✓	✓	✓	✓	
25.4									✓	✓	✓	✓	✓	✓	
31.75										✓	✓	✓	✓	✓	

Stainless Steel Tubes, Incoloy Tubes for Heating Elements, Immersion Heaters

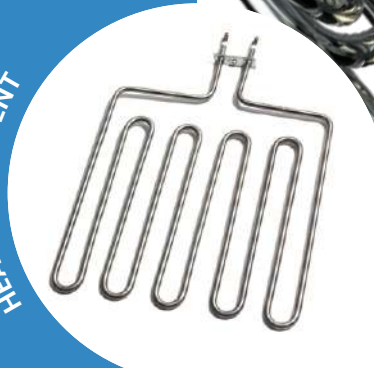
As the leading and most experienced manufacturer of stainless steel tubes in India for heating elements, we understand the specialized and specific requirements of this industry and prioritize uncompromising quality in every aspect of our manufacturing process.

From sourcing the finest materials to employing precision engineering techniques including sophisticated and modern online eddy current testing for all tubes, we ensure that each tube meets the highest standards of quality, durability, reliability, and performance.

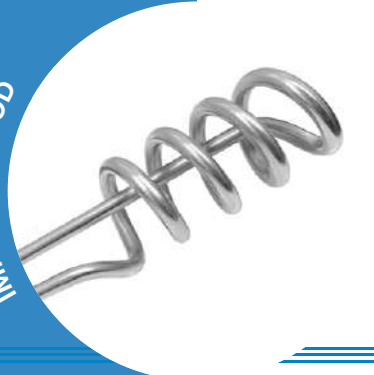
G COIL



HEATING ELEMENT



IMMERSION ROD



MATERIALS:

We utilize all common austenitic grades such as AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404), 316Ti (EN 1.4571), and 321 (EN 1.4541), nickel alloy grades such as INC 800 and INC840 conforming to AISI and other international standards.

LENGTH RANGE:

- 6 meters or cut-to-length as per customer requirement

COMMONLY USED SIZES:

- 7.5 mm OD x 0.4, 0.5 mm WT
- 8mm OD x 0.4, 0.5mm
- 9.52 mm OD x 0.5, 0.6, 0.7mm WT
- 10.0mm OD x 0.5, 0.6 0.7
- 12.7 mm OD x 0.6, 0.7mm etc
- 16.0 mm x 0.8 , 0.9, 1.0 mm



Stainless Steel Tubes for Automobile Components

In the dynamic automotive industry, OM Steel Tubes is at the forefront of innovation, setting new benchmarks for performance, reliability, and sustainability with our stainless steel tubes.

These tubes, known for their lightweight construction and corrosion resistance, are transforming vehicle manufacturing and driving experiences.

With an in-depth understanding of automotive demands, OM Steel Tubes provides custom solutions tailored to the specific needs of vehicle manufacturers.

Our stainless steel tubes are engineered for exceptional durability and performance, ensuring vehicles withstand the toughest conditions on the road.

CORRUGATED TUBES FOR EGR COOLERS



METAL FUEL FILTER



BREATHER TUBES



MATERIALS:

We utilize all common austenitic grades such as AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404), confirming to AISI & other international standards.

LENGTH RANGE:

- Straight length from 1.0 meter to 6.0 meters
- Any specific cut to length sizes
- In continuous long coils

Capillary Thermostats with Bulbs

Om Steel Tubes Limited stands as a pre-eminent manufacturer, exporter, and supplier of high-quality Stainless Steel Capillary Tubes, tailor-made for Capillary Tube Thermostats. Our products are manufactured from premium-grade raw materials, ensuring both durability and excellence in performance.

These tubes are vital components in Capillary Tube Thermostats, which play a crucial role in regulating temperatures electromechanically across a wide range of household appliances, including water heaters, ovens, washing machines, dishwashers, toasters, deep fat fryers, and jet washers. Renowned globally, these tubes ensure precise temperature control and reliability in everyday appliances.

We are the leading producers and exporters of Stainless Steel Capillary Tubes in India, serving an extensive international client base all over Europe in countries such as Italy, Germany, France, Hungary, Czech Republic, Turkey and many others.

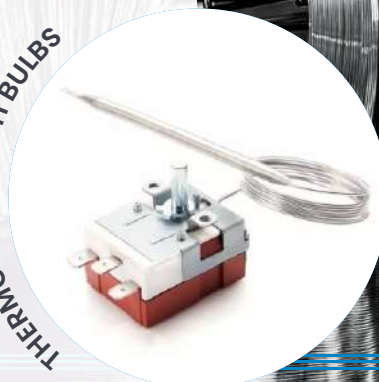
CAPILLARY THERMOSTATS



SPOOLS



THERMOSTATS WITH BULBS



MATERIALS:

Our capillary tubes are crafted from the finest austenitic stainless steel grades, including AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404), and 316Ti (EN 1.4571), adhering to strict international quality standards.

LENGTH RANGE:

- Straight lengths range from 1.0 meter to 4.0 meters.
- Coils available up to 2000 meters.

COMMONLY USED SIZES:

- 0.9 mm OD x 0.40 mm ID
- 1.0 mm OD x 0.50 mm ID
- 1.6 mm OD x 0.15 mm ID / 0.25 mm ID
- 3.0 mm OD x 2.40 mm / 2.50 mm ID
- 4.0 mm OD x 3.40 mm ID
- 4.0 mm OD x 2.0 mm ID
- 6.0 mm OD x 5.0 mm / 5.20 mm ID



Stainless Steel Capillary Tubes for Medical Application

Om Steel Tubes Limited is a leading manufacturer and supplier of stainless steel capillary tubes, renowned for our reliability and excellence.

These tubes are crafted from high-grade raw materials, ensuring both durability and efficiency. Under the guidance of our highly qualified personnel, we produce capillary tubes that are widely sought after across the nation for their superior quality.

These tubes are utilized in medical applications, including Hypodermic Disposable Needles, I.V. Cannulae, and a range of other uses such as dental, serum, exploratory, veterinary, transfusion applications, special purpose needles of all types, and artificial insemination guns.

Thanks to our extensive range of sizes, our capillary tubes are increasingly used in other critical fields such as instrumentation, chromatography, electronics, thermostatic devices, nuclear energy, and aerospace research. Here, the renowned quality of Om Steel Tubes Limited truly stands out.

DISPOSABLE HYPODERMIC NEEDLE



CANNULAE



CANNULAE



MATERIALS:

We use top-quality austenitic stainless steel in grades AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404).

LENGTH RANGE:

- Straight lengths from 1.0 meters to 3.0 meters (approximately 3.0 to 10.0 feet).
- Coils up to 1500 meters (5000 feet), with even longer coils available upon order.

SPECIFICATIONS:

Our products meet various international standards, including GG-N-196 and ISO 9626, ensuring that we deliver only the best in both domestic and international markets.



Capillary Tube Size Chart

DIMENSIONS FOR
HYPODERMIC NEEDLE TUBING

Gauge	Outside Diameter Tolerances MM	Regular Wall (RW) MM	Thin Wall (TW) MM	Extra Thin Wall (XTW) MM	Ultra Thin Wall (UTW) MM
30	0.304 - 0.317	0.085 - 0.095	0.064 - 0.089		
29	0.330 - 0.342	0.085 - 0.095	0.064 - 0.089		
28	0.355 - 0.368	0.085 - 0.095	0.064 - 0.089		
27	0.406 - 0.419	0.089 - 0.115	0.064 - 0.089		
26	0.457 - 0.469	0.089 - 0.114	0.074 - 0.089		
25	0.508 - 0.520	0.115 - 0.140	0.089 - 0.114		
24	0.558 - 0.571	0.114 - 0.140	0.089 - 0.114	0.070 - 0.102	0.051 - 0.082
23	0.635 - 0.647	0.140 - 0.165	0.089 - 0.114	0.070 - 0.102	0.051 - 0.082
22	0.711 - 0.723	0.140 - 0.165	0.096 - 0.121	0.070 - 0.102	0.051 - 0.082
21	0.812 - 0.825	0.140 - 0.165	0.102 - 0.127	0.070 - 0.102	0.051 - 0.082
20	0.901 - 0.914	0.108 - 0.165	0.108 - 0.134	0.070 - 0.102	0.051 - 0.082
19	1.054 - 1.079	0.166 - 0.216	0.102 - 0.140	0.070 - 0.108	0.051 - 0.082
18	1.257 - 1.282	0.191 - 0.241	0.127 - 0.165	0.083 - 0.121	0.051 - 0.082
17	1.460 - 1.485	0.177 - 0.229	0.115 - 0.152	0.083 - 0.127	0.057 - 0.082
16	1.638 - 1.663	0.204 - 0.254	0.127 - 0.165	0.096 - 0.133	0.070 - 0.121
15	1.816 - 1.841	0.204 - 0.254	0.127 - 0.165	0.096 - 0.134	0.070 - 0.121
14	2.082 - 2.133	0.216 - 0.292	0.165 - 0.229	0.144 - 0.165	0.076 - 0.134
13	2.387 - 2.438	0.267 - 0.343	0.191 - 0.267		
12	2.743 - 2.749	0.267 - 0.321	0.191 - 0.267		
11	3.023 - 3.073	0.293 - 0.368	0.216 - 0.292		
10	3.378 - 3.429	0.318 - 0.394	0.216 - 0.292		



Stainless Steel Wires

We are a leading manufacturer and supplier of stainless steel wires, specifically designed for lancets and other medical and surgical applications.

SIZE RANGE:

0.20mm-3mm



MATERIALS:

We use top-quality stainless steel in grades AISI 304 (EN 1.4301), 304L (EN 1.4307), 316 (EN 1.4401), 316L (EN 1.4404).



LENGTH RANGE:

Maximum length in 2 meters or in long continuous coils.



Products & Applications

STAINLESS STEEL TUBES



Automobile Components

Water Geyser Assembly



Beverage Handling Equipment & instrumentation



Heating Elements



Bourdon tube pressure gauge



Heating Elements

CAPILLARY TUBES



Thermostats With Bulbs

Capillary Thermostats



CAPILLARY MEDICAL TUBES



Disposable Hypodermic Needle

Cannulae



INCOLOY WELDED TUBE



Heating Elements

WIRE



Lancets

Our Prestigious Clients



Our Global Presence & Certifications



We proudly export to:

FRANCE
GERMANY
ITALY
CZECH REPUBLIC
HUNGARY
TURKEY
RUSSIA
CHINA
TAIWAN
SOUTH AFRICA
CANADA
USA
BRAZIL



ISO 9001 : 2015



IATF 16949 : 2016



ISO 14001 : 2015



ISO 45001 : 2018

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