



OM STEEL TUBES LIMITED

Manufacturers of
**Stainless Steel
Capillary Tubes
and Pipes**



OM STEEL TUBES LIMITED



QUALITY OBJECTIVES

1. Continuous Improvement in Process, Technology and Products Quality.
2. Increase in Productivity Through Wastage Reduction & Optimum Resource Utilization.
3. Involvement of Employees through motivation, training and communication.
4. To obtain product performance in terms of products improvement and changing needs through regular interaction of customers.
5. Control and monitor Cost of Production thereby increasing profitability of the Company.

QUALITY POLICY

To ensure growth by establishing and achieving customer satisfaction and thereby the company objective. Effective implementation and continual improvement of quality management system in the organization.

About Us...

OM STEEL TUBES LIMITED, established in 1981, is the pioneer manufacturer of Stainless Steel Capillary / Miniature Fine Precision Tubings and large diameter specialized Stainless Steel Tubes in India. An ISO 9001: 2015 certified company, OST, takes pride in having latest technical know-how and plant from Japan. With highly qualified professionals and experienced engineers we ensure delivery of specialized precision capillary tubings to diversified industries including healthcare worldwide. The products being rolled out are highly precise, accurate and the finest in the world.

Owing to its most modern state of the art manufacturing facility and vastly experienced personnel, OST provides its Domestic and International customers with superior quality products at competitive costs and ensures reliable, timely delivery solutions thereby effectively partnering with customers mutual growth.

In-House Testing Facilities:

At Om Steel, our facility is well equipped with all modern and sophisticated machines to carry on all types of tests conforming to latest international standards. The products manufactured are continuously monitored and tested for metallurgy, microstructure, weld penetration, hardness, ultimate tensile strength, surface roughness and stiffness tests in order to ensure highest standards of quality compliance.



Spectrometer



Weld Penetration Testing



Microstructure Testing



Micro Vicker Hardness Testing



Rock Well Hardness Testing



Tensile Strength Testing



Surface Roughness Testing



Stiffness Testing



Ultrasonic Die Polishing

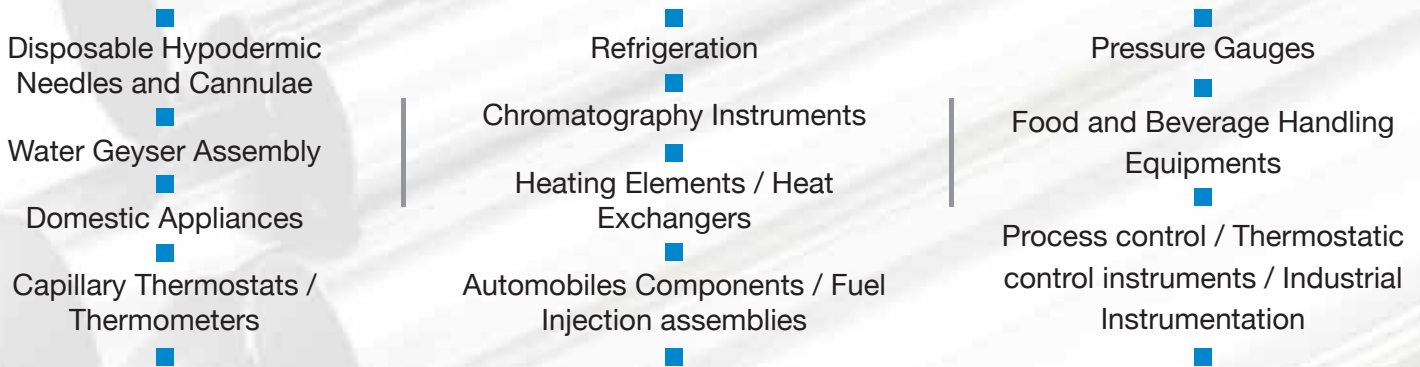


Tool Maker Microscope

Stainless Steel Tubes

applications

Fine Stainless Steel Tube is used for innumerable operations / applications where a precision component is required. We manufacture Austenitic Stainless Steel Tubes from 0.30 mm to 31.75 mm O.D. and in thickness from 0.06 mm to 2.00 mm respectively. This capability allows us the flexibility to provide tubes for very diverse application such as: -



We can quickly draw on supplies for producing cold drawn welded tubes. What's more, the range of our manufacturing capability minimizes production lead times in a very varied market. Complex configurations and final finishes are often required by our customers and efficiently met by us.

MATERIALS	SPECIFICATIONS	LENGTH RANGE	SIZE RANGE
AISI 304, 304L, 316L, 316Ti, 321, i.e. All common austenitic grades conforming to AISI and other international standards.	ASTM A269, 249, 213, 312 to A450 and EN, DIN standards.	Maximum 6 Meters or in long continuous Coils.	All sizes from 0.30 mm to 31.75 mm O.D and 0.06 mm to 2.00 mm thickness

O.D in mm	W.T. in mm											
	0.1	0.25	0.3	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							●	●	●	●	●	●

We can manufacture any and every possible configuration (any O.D, any W.T) within the above range.

Stainless Steel

Welded, Cold Drawn and Bright Annealed Tubes for
Automobile Components

MATERIALS

AISI 304, 304L, 316, 316L
Austenitic Stainless Steel

LENGTH RANGE

- A) Straight length from 1.0 meter to 6.0 meters
- B) Any specific cut to length sizes
- C) Incontinuous long coils



Fuel Injection Assemblies



**Metal Fuel Fillers for
Two Wheeler Industry**



**EGR Coolers for Four
Wheeler Industry**

Stainless Steel Tubes for Capillary Thermostats with Bulbs



MATERIALS

AISI 304, 304L, 316,
316L, 316Ti
Austenitic Stainless Steel

LENGTH RANGE

A) Straight Length from
1.0 meter to 4.0 meters
B) Coils upto 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
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



Medical

& Very Small Diameter Tube

This type of tube is mainly used for medical purposes – Hypodermic Disposable Needles, I.V. Cannulae, Dental, Serum, Exploratory, Veterinary, Transfusion Applications and Artificial Insemination Guns.

Now, due to the comprehensive range of sizes that we make, our tubes are being employed in an increasing number of other applications such as instrumentation, chromatography, electronics, thermostatic devices, nuclear energy and aerospace research, where OST quality comes into its own.

MATERIALS

AISI 304, 304-L, 316, 316-L
Austenitic Stainless Steel

SPECIFICATIONS

As per various International Standards such as:
GG-N-196, ISO 9626

LENGTH RANGE

- (A) Straight lengths from 1.0 Meters to 3.0 Meters (3.0 feet to 10.0 feet approx)
(B) Coils upto 1500 Meters (5000 ft.) Even longer coils are made on order.

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		

Our Products & Applications

Thermostats
With Bulbs



Disposable Hypodermic Needle



Cannulae



Capillary
Thermostats



Bulbs



Automobile Components



Water Geyser Assembly



Heating Elements



Bourdon tube
pressure gauge



Beverage Handling
Equipment & instrumentation



Our Global Presence



Certifications:



ISO 9001 : 2015



IATF 16949 : 2016



ISO 14001 : 2015



OHSAS 18001 : 2007

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