

Stainless Steel High Purity Tubing

Manufacturing:

In strict accordance with ASTM-A270 and ASME BPE specifications

Material:

AISI 316L Stainless Steel. Sulfur content: 0.005%-0.017%

Size Rang:

1/4" to 6" O.D. tube size in 6M nominal length.

Surface Finish:

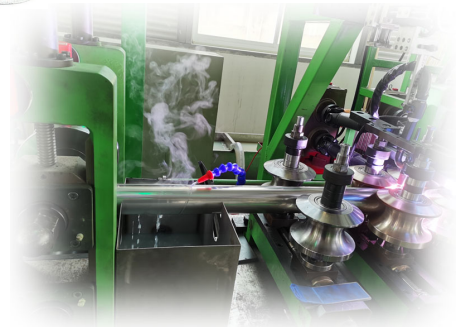
SF1&SF4.

Packing:

Tubing is packaged using protective poly sleeving along with air tight plastic end caps. The tubing is then placed in wooden boxes for maximum protection during shipment.

Quality Guarantee:

- Hydrogen bright annealed in line to 1900°F
- Tubing is tested beyond the requirements of ASTM A269 and A270 by mechanically testing to ASME SA249 specifications
- Tubing is 100% bore-scoped
- Tubing ID is thermocouple cleaned per ASTM A632 S3
- Tubing is permanently marked with the material heat number which allows complete traceability back to the original material supplier



Chemical Composition-316L

Elements	wt%
(C) Carbon, max	0.030
(Mn) Manganese, max	2.000
(P) Phosphorus, max	0.040
(S) Sulfur	0.005-0.017
(Si) Silicon, max	0.750
(Ni) Nickel	10.0-15.0
(Cr) Chromium	16.0-18.0
(Mo) Molybdenum	2.0-3.0

Dimentions & Tolerances

Nominal Size, in.	Tube O.D.(tolerance)		Tube Wall Thickness(tolerance)	
	in.	mm	in.	mm
1/4	0.250(±0.005)	6.35(±0.13)	0.035(±0.0035)	0.89(±0.089)
3/8	0.375(±0.005)	9.53(±0.13)	0.035(±0.0035)	0.89(±0.089)
1/2	0.500(±0.005)	12.70(±0.13)	0.065(±0.0065)	1.65(±0.165)
3/4	0.750(±0.005)	19.05(±0.13)	0.065(±0.0065)	1.65(±0.165)
1	1.000(±0.005)	25.40(±0.13)	0.065(±0.0065)	1.65(±0.165)
1 1/2	1.500(±0.008)	38.10(±0.20)	0.065(±0.0065)	1.65(±0.165)
2	2.000(±0.008)	50.80(±0.20)	0.065(±0.0065)	1.65(±0.165)
2 1/2	2.500(±0.010)	63.50(±0.25)	0.065(±0.0065)	1.65(±0.165)
3	3.000(±0.010)	76.20(±0.25)	0.065(±0.0065)	1.65(±0.165)
4	4.000(±0.015)	101.60(±0.38)	0.083(±0.0083)	2.11(±0.211)
6	6.000(±0.030)	152.40(±0.75)	0.109(±0.0109)	2.77(±0.277)