

1.4 STAINLESS STEEL TUBES

Tubes Catalog



Table of Contents

.....
Introduction & Order Information

ASTM A270 page35-47

T1000 tubes ASTM A269

T1001 Food tubes ASTM A270

DIN11850 page19-26

T2000 Food tubes DIN11850 Practice based sizes

T2001 Food tubes DIN11850 Range 1

T2002 Food tubes DIN11850 Range 2 /DIN11866 tubes

T2003 Food tubes DIN11850 Range 3

SMS3008

T3000 Food tubes SMS Practice based sizes.....

T3001 Food tubes SMS3008.....



Applications



WEIZHOU Food industry tubes are used in environments where sanitary and cleanliness is of the up-most importance. Applications include food and drink processing, dairy, breweries, medical and pharmaceutical.

Standard design

WEIZHOU Stainless steel Food tubes are Available in T304/1.4301 and T316L/1.4404 grades Bead Removed, **Fully Annealed** in both the decaled and polished condition, We can also supply a range of **Not Annealed Tubes** 1/2" OD to 6" OD/DN 10- DN150.

***Certification available on request

Rang of Tubes

T1001 Food tubes ASTM A270	Weld to Sanitary ASME fittings
T2000 Food tubes DIN11850 Practice based sizes	Weld to DIN11850 N Code-Fittings
T2001 Food tubes DIN11850 Range 1	×
T2002 Food tubes DIN11850 Range 2	Weld to DIN11850 Range 2 Fittings
T2003 Food tubes DIN11850 Range 3	×
T3000 Food tubes SMS Practice based sizes	Weld to SMS N Code- Fittings (1.5t-2.0t)
T3001 Food tubes SMS3008	Weld to SMS 3008 Fittings



 You can searching in **ASTM INTERNATIONAL** Standard documents.



 You can searching in **DIN** Standard documents.

Technical Data

Annealed /no Annealed **Inner and outer surface**

Production process and raw material	Status of heat treatment	Inside Surface	Welding Area	Outside Surface	Finished No.
welded, inside weld rolled, cold-rolled parent metal	No Annealed	Ra < 0.80µm	Ra < 0.80µm	Ra < 0.80µm	
welded, inside weld rolled, cold-rolled parent metal	No Annealed	Ra < 0.40µm	Ra < 0.40µm	Ra < 0.80µm	No.7
welded, inside weld rolled, cold-rolled parent metal	annealed	Ra < 0.80µm	Ra < 0.80µm	Ra < 0.80µm	
welded, inside weld rolled, cold-rolled parent metal	annealed	Ra < 0.40µm	Ra < 0.40µm	Ra < 0.80µm	No.7

— SURFACE CHARACTERIZATION —



Surface Measurements Comparison

RMS (Micro inch)	RMS (Micron)	Ra (Micro inch)	Ra (Micron)	Grit Size
80	2.03	71	1.80	80
58	1.47	52	1.32	120
47	1.20	42	1.06	150
32	0.80	30	0.76	180
20	0.50	15	0.38	240
14	0.36	12	0.30	320
		4 - 8		320 EP
		10		400



INNER DIAMETER (ID)		Surface Finishes		Surface Treatment	Grit
CODE	ASTM	μ-inch	μ-m		N
T1000	ASTM A269	32	0.8	MP/EP/	> 180
T1001	ASTM A270	20	0.5	Mechanical Polish	> 240
T2000	DIN11850	20	0.5		> 240
T2002	DIN11850 R2	20	0.5		> 240
T3000	SMS	20	0.5		> 240
T3001	SMS3008	20	0.5		> 240

OUT DIAMETER (OD)		Surface Finishes		Surface Treatment	Grit
CODE	ASTM	μ-inch	μ-m		
T1000	ASTM A269	32	0.8	Mechanical	> 180
T1001	ASTM A270	32	0.8	Mechanical	> 180
T2000	DIN11850	32	0.8	Mechanical	> 180
T2002	DIN11850 R2	32	0.8	Mechanical	> 180
T3000	SMS	32	0.8	Mechanical	> 180
T3001	SMS3008	32	0.8	Mechanical	> 180

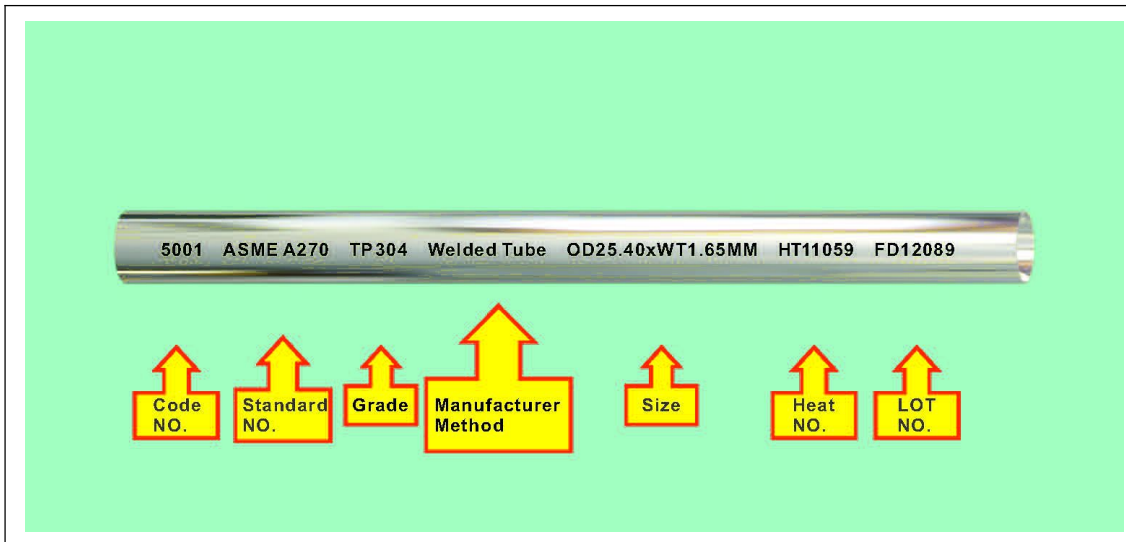
Quality Inspection and Tests



- ④ Vindication of material grade(PMI)
- ④ 100% visual inspection [with endoscope]
- ④ Eddy current testing [ECT]
- ④ ID Surface Roughness Measurements
- ④ Corner Cut Measurements.
- ④ Venfication Dimension
- ④ Hydrostatic Test
- ④ Air Under Water Leak Test
- ④ Intergranular Corrosion Test [Optional]
- ④ Weld Decay Test [Optional]



Marking



Package

All tubes are internally cleaned, free from grease, oil and dirt and are supplied with end caps and dry-wrapped in a plastic sleeve. The tubes are delivered within Protective wooden boxes.



OPTIONS

SEAMLESS TUBES
WELDED TUBES

OTHERS

CHECK THE STANDARD DOCUMENTS



ASTM A269-04
ASTM A270-03a



DIN11850- 2009
DIN11852- 2007

Ordering:

All tubes are delivered in lengths of 6 Meters. Please state the following

When ordering:

- Code No.
- Standard Range
- No Annealed or Annealed
- Material (T304 or T316/1.4301 or 1.4404)
- Surface Character
- OD/ID Dimension

The information contained herein is correct at the time of issue, but may be subject to change without prior notice.

How to contact WEIZHOU

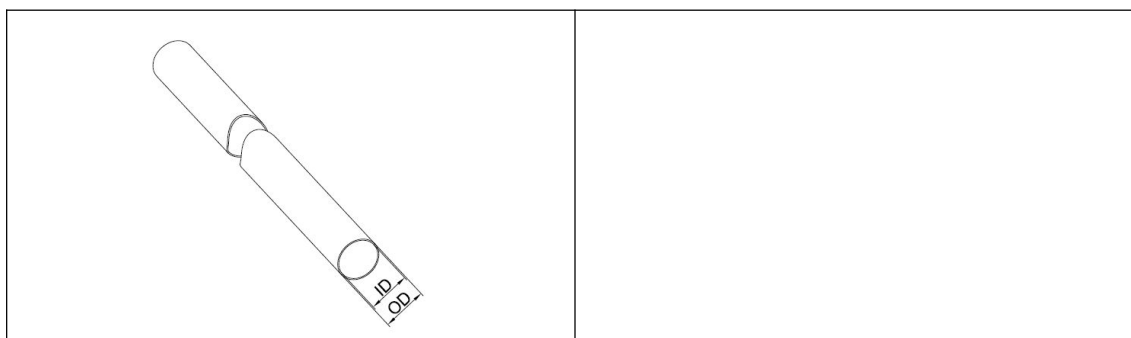
<http://www.wei-zhou.com/En>

WEIZHOU DATE SHEET/E-CATALOG/DRAWINGS AS CODE NO

Tubes of manufacturing lengths of approx 6 meters

CODE NO T1000/T1001

ASMT A269/ASTM A270 Stainless Steel tubes for food industry



Further dimensions on request

T1000 tubes ASTM A269

CODE NO	SIZE OD		DIMENSION OD×WT	OD	ID	GEWICHT Weight 304	GEWICHT Weight 316L
	Inch	mm					
T1000 0050	1/2"	12.7	12.7×1.65	12.7	9.4	0.4542	0.4571
T1000 0075	3/4"	19.1	19.1×1.65	19.1	15.75	0.7173	0.7218
T1000 0100	1"	25.4	25.4×1.65	25.4	22.1	0.9763	0.9824
T1000 0150	1.5"	38.1	38.1×1.65	38.1	34.8	1.4983	1.5078
T1000 0200	2"	50.8	50.8×1.65	50.8	47.5	2.0204	2.0331
T1000 0250	2.5"	63.5	63.5×1.65	63.5	60.2	2.5424	2.5585
T1000 0300	3"	76.1	76.1×1.65	76.1	72.8	3.0604	3.0797
T1000 0400	4"	101.6	101.6×2.11	101.6	97.38	5.2298	5.2628
T1000 0600	6"	152.4	152.4×2.77	152.4	146.86	10.3258	10.3909

T1001 Food tubes ASTM A270

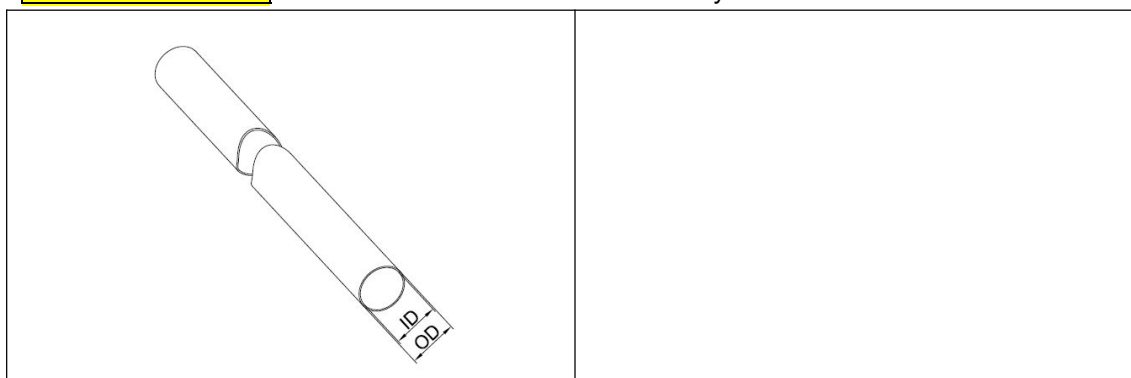
CODE NO	SIZE OD		DIMENSION OD×WT	OD	ID	GEWICHT Weight 304	GEWICHT Weight 316L
	Inch	mm					
T1001 0050	1/2"	12.7	12.7×1.65	12.7	9.4	0.4542	0.4571
T1001 0075	3/4"	19.1	19.1×1.65	19.1	15.75	0.7173	0.7218
T1001 0100	1"	25.4	25.4×1.65	25.4	22.1	0.9763	0.9824
T1001 0150	1.5"	38.1	38.1×1.65	38.1	34.8	1.4983	1.5078
T1001 0200	2"	50.8	50.8×1.65	50.8	47.5	2.0204	2.0331
T1001 0250	2.5"	63.5	63.5×1.65	63.5	60.2	2.5424	2.5585
T1001 0300	3"	76.1	76.1×1.65	76.1	72.8	3.0604	3.0797
T1001 0400	4"	101.6	101.6×2.11	101.6	97.38	5.2298	5.2628
T1001 0600	6"	152.4	152.4×2.77	152.4	146.86	10.3258	10.3909

Tubes of manufacturing lengths of approx 6 meters

CODE NO T2000/T2002



DIN11850/DIN11866 Stainless Steel tubes for food industry



Further dimensions on request

T2000 Food tubes DIN11850 Practice based sizes

CODE NO	SIZE ID		DIMENSION OD×WT	OD	ID	GEWICHT	GEWICHT
	DN	mm				Weight 1.4301	Weight 1.4404
			mm	mm	mm	Kg/m	Kg/m
T2000 0015	15	15	18×1.5	18	15	0.6166	0.6205
T2000 0020	20	19	22×1.5	22	19	0.7661	0.7709
T2000 0025	25	25	28×1.5	28	25	0.9903	0.9965
T2000 0032	32	31	34×1.5	34	31	1.2145	1.2222
T2000 0040	40	37	40×1.5	40	37	1.4387	1.4478
T2000 0050	50	49	52×1.5	52	49	1.8872	1.8991

T2002 Food tubes DIN11850 Range 2/ DIN11866

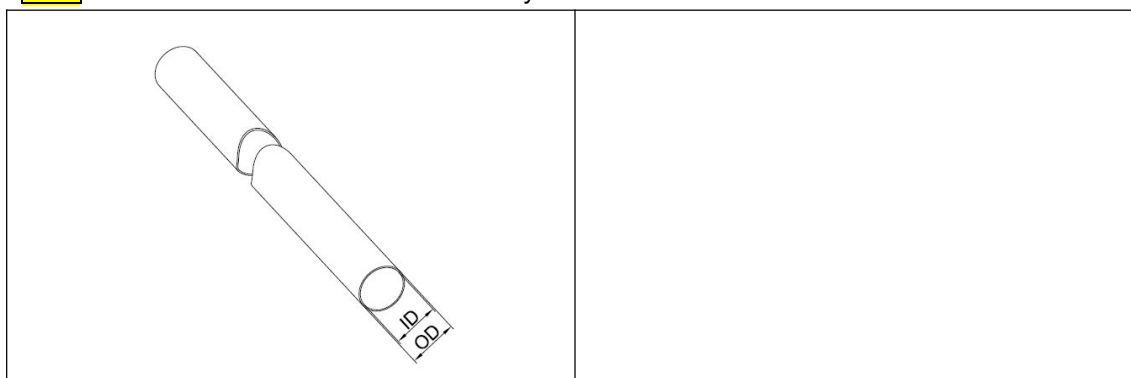
CODE NO	SIZE ID		DIMENSION OD×WT	OD	ID	GEWICHT	GEWICHT
	DN	mm				Weight 1.4301	Weight 1.4404
			mm	mm	mm	Kg/m	Kg/m
T2002 0015	15	16	19×1.5	19	16	0.6540	0.6581
T2002 0020	20	20	23×1.5	23	20	0.8034	0.8085
T2002 0025	25	26	29×1.5	29	26	1.0277	1.0341
T2002 0032	32	32	35×1.5	35	32	1.2519	1.2598
T2002 0040	40	38	41×1.5	41	38	1.4761	1.4854
T2002 0050	50	50	53×1.5	53	50	1.9245	1.9367
T2002 0065	65	66	70×2.0	70	66	3.3882	3.4095
T2002 0080	80	81	85×2.0	85	81	4.1355	4.1616
T2002 00100	100	100	104×2.0	104	100	5.0822	5.1143
T2002 00125	125	125	129×2.0	129	125	6.3279	6.3678
T2002 00150	150	150	154×2.0	154	150	7.5735	7.6213

Tubes of manufacturing lengths of approx 6 meters

CODE NO T3000/T3001



SMS Stainless Steel tubes for food industry



Further dimensions on request

T3000 Food tubes SMS Practice based sizes

CODE NO	SIZE OD	DIMENSION OD×WT	OD	ID	GEWICHT Weight 304	GEWICHT Weight 316L
	mm	mm			Kg/m	Kg/m
T3000 00025	25	25×1.5	25	22	0.8782	0.8837
T3000 00038	38	38×1.5	38	35	1.3640	1.3726
T3000 00051	51	51×1.5	51	48	1.8498	1.8614
T3000 00063	63.5	63.5×2	63.5	59.5	3.0643	3.0836
T3000 00076	76	76.1×2	76.2	72.2	3.6921	3.7154
T3000 00102	102	102×2.0	102	98	4.9826	5.0140

T3001 Food tubes SMS3008

CODE NO	SIZE OD	DIMENSION OD×WT	OD	ID	GEWICHT Weight	GEWICHT Weight
	mm	mm			Kg/m	Kg/m
T3001 00025	25	25×1.25	25	22.5	0.7396	0.7443
T3001 00038	38	38×1.25	38	35.5	1.1444	1.1517
T3001 00051	51	51×1.25	51	48.5	1.5493	1.5590
T3001 00063	63.5	63.5×1.5	63.5	60.5	2.3169	2.3315
T3001 00076	76	76.1×1.6	76.1	72.9	2.9696	2.9883
T3001 00102	102	102×2.0	102	98	4.9826	5.0140

Tubes of manufacturing lengths of approx 6 meters