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MASKY STAINLESS STEEL

FOSHAN MASKY STAINLESS STEEL CO., LIMITED

COMPANY PROFILE

Maysky Stainless Steel was established in 2001, it is one of the largest suppliers of stainless steel products in China.

In 2014, Maysky established a professional exporting team.

We are professional in manufacturing stainless steel welded tubes, with more than 72 production lines. We provide a wide range of stainless steel products, including stainless steel welded tube, sheet, strip, coil and fitting.

All of our products and service are adhere to strict quality procedures and specific storage. The main industries we supply to are in decoration, architecture & building, food & beverage, resources & construction, oil & gas, and petrochemical industries, with the standard of ASTM A554/EN 10296-2/EN 10219-2, A249, A269, A312, EN10217-7 and A270 etc.



Maysky Stainless Steel is driven by a well-integrated team, technology, and innovative business approaches. Also, we have established strong business relationships with more than 57 countries customers, such as Russia, Lithuania, United Kingdom, Sweden, Italy, Denmark, Poland, Colombia, Peru, Chile, Egypt, UAE, Iran, Pakistan, Saudi Arabia, Turkey, Singapore, Thailand, Laos etc.

In the future, Maysky will keep on offering the best quality products with our innovative technology and intimate service based on the customer's requirements. 18 years production experience and professional export procedure will earn your trust.



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FACTORY FACILITIES



PRODUCTION OF STAINLESS STEEL PIPE



Raw Material

Bending

Welding

Cooling



Automatic Packing

Polishing

Cutting



QUALITY CONTROL



FINAL TEST (CHECK PIECE BY PIECE)



Diameter

Thickness

Length

Straightness



**QUALITY
ASSURANCE**

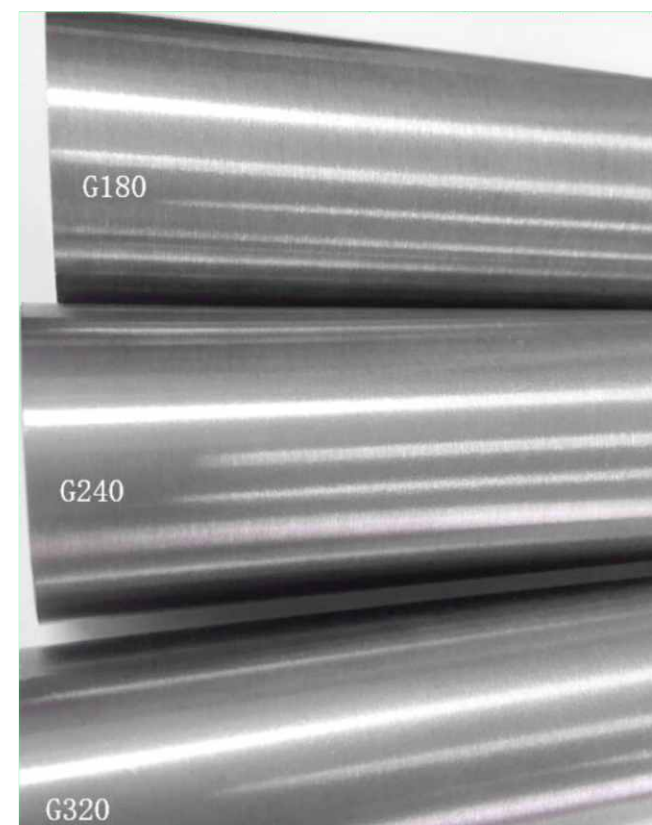


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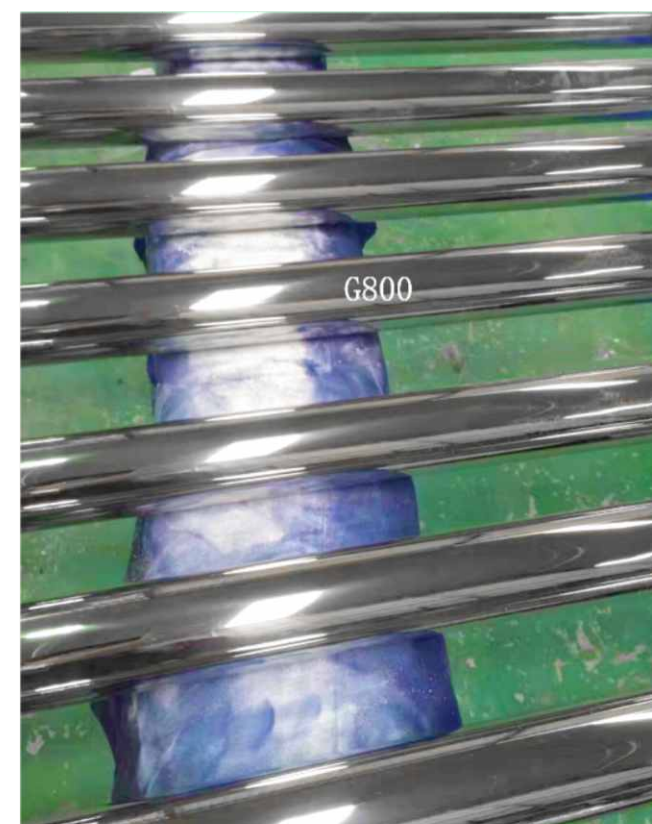


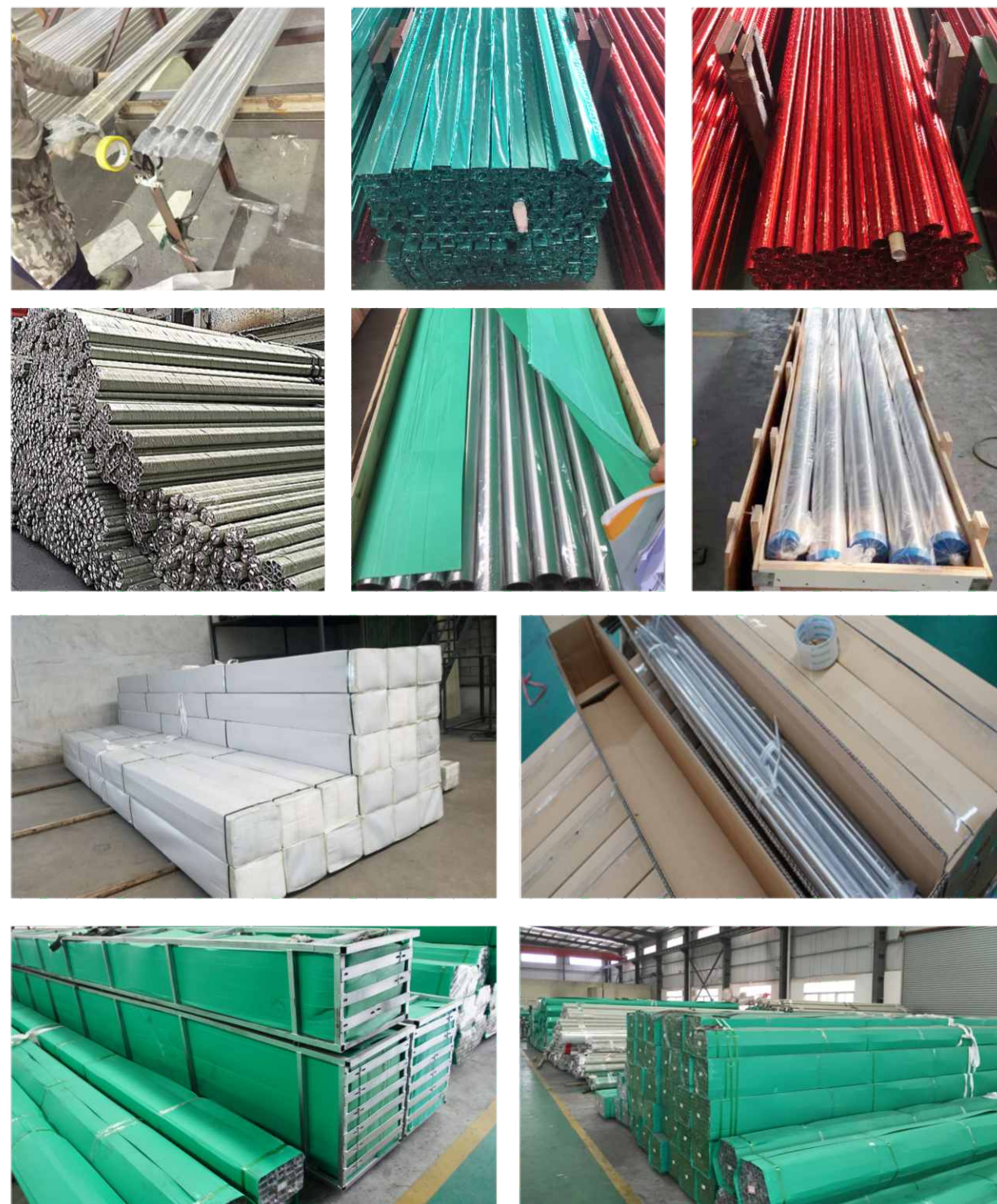
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TUBE FINISH





TUBE PACKAGE

CONTAINER LOADING



SS Round Welded Tube Series

Material:201,304,304L,316,316L,430 Standard:ASTM-A554 / EN10296-2
Finished:Mill Finish; Brush G180, G240, G320; Polish G400, G600; Mirror

WT(mm) OD(mm)	0.24	0.27	0.3	0.35	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.5	2	3	4	5
6																		
8																		
9																		
9.5																		
10																		
11.11																		
12																		
12.7																		
13.75																		
14																		
14.5																		
15																		
15.9																		
17																		
17.15																		
18																		
19																		
19.05																		
20																		
21.3																		
21.34																		
22																		
22.2																		
25																		
25.4																		
26.67																		
27																		
28																		
28.6																		
30																		
31.8																		
33.4																		
33.7																		
34																		
35																		
38																		
38.1																		
40																		
42																		
42.4																		
44.5																		
48																		
48.26																		
48.3																		
50.8																		
52																		
54																		
57																		
60																		
60.3																		
60.33																		
63																		
63.5																		
70																		
73.6																		
76																		
80																		
85																		
88.9																		
89																		
95																		
100																		
101.6																		
105																		
108																		
114																		
127																		
133																		
139																		
141																		
152																		
152.4																		
159																		
168																		
190																		
203																		
203.2																		
219																		
254																		
273																		
323																		

SS Rectangular Welded Tube Series

Material:201,304,304L,316,316L,430 Standard:ASTM-A554 / EN 10219-2
Finished:Mill Finish; Brush G180, G240, G320; Polish G400, G600; Mirror

WT(mm) OD(mm)	0.3	0.35	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.5	2	3	4	5
20*10																
23*11																
25*13																
30*10																
30*15																
30*20																
32*16																
35*23																
38*25																
40*10																
40*15																
40*20																
40*30																
50*10																
50*15																
50*20																
50*25																
50*30																
50*40																
60*10																
60*12																
60*15																
60*20																
60*30																
60*40																
62*10																
65*15																
70*10																
70*20																
70*25																
70*30																
75*25																
75*45																
80*10																
80*20																
80*40																
80*60																
90*25																
90*45																
95*45																
100*20																
100*25																
100*40																
100*45																
100*50																
100*60																
100*80																
120*50																
120*60																
120*80																
150*50																
150*100																
200*100																

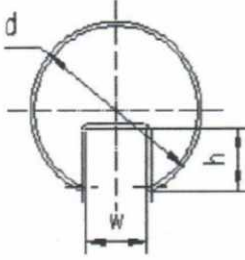
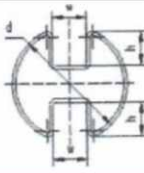
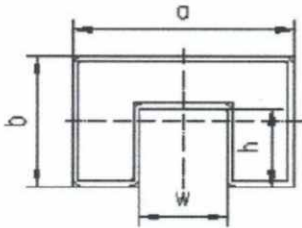
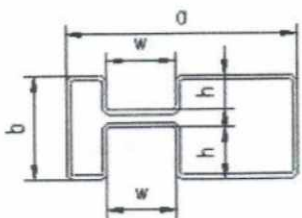
SS Square Welded Tube Series

Material:201,304,316,316L,430 Standard:ASTM-A554 / EN 10219-2
Finished:Mill Finish; Brush G180, G240, G320; Polish G400, G600; Mirror

OD(mm) WT(mm)															
	0.3	0.35	0.4	0.5	0.6	0.7	0.8	0.9	1	1.2	1.5	2	3	4	5
10*10															
12*12															
12.7*12.7															
15*15															
19*19															
20*20															
22*22															
23*23															
25*25															
25.4*25.4															
30*30															
35*35															
38*38															
40*40															
50*50															
60*60															
70*70															
75*75															
80*80															
90*90															
100*100															
120*120															
150*150															
200*200															

SS Welded Slot Tube Series

Material:304, 304L ,316L, Standard:ASTM-A554
Finished:Mill Finish; Brush G180, G240, G320; Polish G400, G600; Mirror

Picture	Tube Size (mm)	Slot Size (mm)	Thickness (mm)				
	d/a*b*c	w*h	0.9	1	1.2	1.5	2
Round Slot Tube							
	φ25.4	14*14					
	φ38.1	15*15					
	φ38.1	23.5*13					
	φ42.2	19.7*26.2					
	φ42.4	15*15					
	φ42.4	20*15					
	φ42.4	24*24					
	φ48.3	19.7*31.8					
	φ48.3	27*30					
	φ48.3	30*27					
	φ50.8	13.8*15					
	φ50.8	15*15					
	φ50.8	19.7*31.8					
	φ50.8	19*38					
	φ50.8	20*20					
	φ50.8	20*25					
	φ50.8	25*25					
	φ60	25*25					
	φ60	25*40					
	φ60.3	20*20					
	φ60.3	34*34					
	φ63	15*15					
	φ63	20*20					
	φ63	23*34					
	φ63	25*25					
	φ50.8	15*15					
	φ76	25*25					
Square&REC Slot Tube							
	25*21						
	31.8*31.8						
	32*32						
	38*25						
	40*40						
	40*40						
	40*60						
	50*50						
	50*25						
	60*40						
	60*40						
	60*60						
	75*45						
	75*45						
	75*45						
	70*30						
	71*26						
	85*40	25*13					
		25*20					
	40*40	15*15					
	40*40	15*15					

SS Pipe For Heat Exchange Series

Material:304,304L,316L Standard:ASTM-A249/ASTM-A269

WT (mm)	0.5	0.6	0.7	0.8	0.9	1	1.2	1.25	1.5	1.65	2	2.11	2.77	3.05	3.5
OD (mm)								18GA	16GA						
15.88															
16.00															
19.05															
22.00															
25.00															
25.40															
28.00															
31.80															
32.00															
33.70															
38.10															
40.00															
42.00															
45.00															
50.80															
63.50															
70.00															
76.20															
88.90															
101.60															
104.00															
For bath A249 and A269							Only for A269								



SS Pipe For Sanitary/Foodstuff Series

Material:304,304L,316L Standard:ASTM-A270

Outside Diameter	Thickness range
24	0.56-2.0
25	
25.4	
26	
27.3	
28	
29	
31.8	
32	
33	
34	0.8-2.5
35	
36	
38	
40	
41	
42	
42.7	
45	
48.6	1.0-2.5
50.8	
52	
53	
54	
57	
60.3	
63.3	
66.7	
70	1.2-2.8
76.2	
85	
86	
88.9	
101.6	
104	
108	
114	1.3-2.8
127	
129	1.6-3.0
133	
152.7	
154	
159	
165-168	
219	



Industrial Liquid SS Pipe Series

Material:304,304L,316,316L Standard:ASTM-A312

Note 1-The decimal thickness listed for the respective pipe sizes represents their normal or average wall dimensions.										
NPS Designator	Outside Diameter		Normal Wall Thickness							
	in.	mm	Schedule 5S^A		Schedule 10S^A		Schedule 40S		Schedule 80S	
			in.	mm	in.	mm	in.	mm	in.	mm
1/8	0.405	10.29	...	...	0.049	1.24	0.068	1.73	0.095	2.41
1/4	0.540	13.72	...	...	0.065	1.65	0.088	2.24	0.119	3.02
3/8	0.675	17.15	...	...	0.065	1.65	0.091	2.31	0.126	3.20
1/2	0.840	21.34	0.065	1.65	0.083	2.11	0.109	2.77	0.147	3.73
3/4	1.050	26.67	0.065	1.65	0.083	2.11	0.113	2.87	0.154	3.91
1.0	1.315	33.40	0.065	1.65	0.109	2.77	0.133	3.38	0.179	4.55
1 1/4	1.660	42.16	0.065	1.65	0.109	2.77	0.140	3.56	0.191	4.85
1 1/2	1.900	48.26	0.065	1.65	0.109	2.77	0.145	3.68	0.200	5.08
2	2.375	60.33	0.065	1.65	0.109	2.77	0.154	3.91	0.218	5.54
2 1/2	2.875	73.03	0.083	2.11	0.120	3.05	0.203	5.16	0.276	7.01
3	3.500	88.90	0.083	2.11	0.120	3.05	0.216	5.49	0.300	7.62
3 1/2	4.000	101.60	0.083	2.11	0.120	3.05	0.226	5.74	0.318	8.08
4	4.500	114.30	0.083	2.11	0.120	3.05	0.237	6.02	0.337	8.56
5	5.563	141.30	0.109	2.77	0.134	3.40	0.258	6.55	0.375	9.52
6	6.625	168.28	0.109	2.77	0.134	3.40	0.280	7.11	0.432	10.97
8	8.625	219.08	0.109	2.77	0.148	3.76	0.322	8.18	0.500	12.70
10	10.750	273.05	0.134	3.40	0.165	4.19	0.365	9.27	0.500^B	12.70^B
12	12.750	323.85	0.156	3.96	0.180	4.57	0.375^B	9.52^B	0.500^B	12.70^B
14	14.000	355.60	0.156	3.96	0.188^B	4.78^B	...	...	...	...
16	16.000	406.40	0.165	4.19	0.188^B	4.78^B	...	...	...	...
18	18.000	457.20	0.165	4.19	0.188^B	4.78^B	...	...	...	...
20	20.000	508.00	0.188	4.78	0.218^B	5.54^B	...	...	...	...
22	22.000	558.80	0.188	4.78	0.218^B	5.54^B	...	...	...	...
24	24.000	609.60	0.218	5.54	0.250	6.35	...	...	...	...
30	30.000	762.00	0.250	6.35	0.312	7.92	...	...	...	...
A Schedules 5S and 10S wall thicknesses do not permit threading in accordance with the American National Standard for Pipe Thread (ANSI B1.20.1).										
B These do not conform to the American National Standard for Welded and Seamless Wrought Steel Pipe (ANSI B36.10-1979).										



UNLIMITED USE

Material:304,304L,316,316L Standard:EN10217-7

WT (mm)	1.20	1.60	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00	5.60	6.30	7.10	8.00	8.80	10.00
OD (mm)																	
13.50																	
17.20																	
21.30																	
26.90																	
33.70																	
42.40																	
48.30																	
60.30																	
76.10																	
88.90																	
101.60																	
114.30																	
139.70																	
168.30																	
219.10																	
273.00																	
323.90																	
355.60																	
406.40																	



PROJECT EXAMPLES



PROJECT EXAMPLES





OTHER STANDARD TUBE APPLICATIONS



MARKETING

Maysky always take "market-oriented" as business philosophy, we are not only trying to keep observing the stainless steel welded tubes market information, but also trying to seek better marketing mode to meet customers' demand. We attend many domestic and abroad exhibitions every year, after on-the-spot investigation and understanding of Russia, Turkey, Germany, Netherlands, Mexico, Indonesia, Thailand and other principal markets, we can get effective communication with the customers, grasping the market information and the real demand of the customers. The most important is that we can provide more professional, suitable products and services to our customers.

Ornamental stainless steel tubes/Decoration stainless steel tubes and construction stainless steel tubes
ASTM-A554 / EN10296-2 / EN10219-2 / STANDARD TOLERANCE

ROUND TUBES TOLERANCE(EN10296-2)

Outside Diameter(mm)	Thickness(mm)	Outside Diameter Tolerance(mm)	Thickness Tolerance (mm)	Length Tolerance (mm)
≤12.7	0.51 - 1.24	±0.10	±10%	-0/+5
12.7-25.4	0.51 - 1.65	±0.13		
	>1.65 - 3.4	±0.25		
25.4-38.1	0.64 - 1.65	±0.20		
	>1.65 - 3.4	±0.25		
38.1-50.8	0.64 - 1.24	±0.25		
	>1.24 - 2.11	±0.28		
	>2.11 - 3.78	±0.30		
50.8-63.5	0.81 - 1.65	±0.30		
	>1.65 - 2.77	±0.33		
63.5-88.9	>2.77 - 4.19	±0.36		
	0.81 - 4.19	±0.36		
88.9-127	0.89 - 4.19	±0.51		
	>4.19	±0.64		
127-190.5	1.24 - 6.35	±0.64		
	>6.35	±0.76		

SQUARE AND RECTANGLE TUBES TOLERANCE(EN10219-2)

Largest Specified Outside Dimension (mm)	Wall Thickness (mm)	Across Flats, Convexity or Concavity (mm)
≤31.8	all sizes	±0.38
31.8 < 63.5	all sizes	±0.51
63.5 < 139.7	all sizes	±0.76
139.7 < 203.2	all sizes	±1.52
Wall Thickness Tolerance		±10% or specified wall thickness

Maximum Radii of Corners

Wall Thickness(mm)	Radii of Corners max(mm)
0.51 < 1.24	<2.4
1.24 < 1.65	<3.2
1.65 < 2.11	<3.6
2.11 < 2.42	<4.8
2.42 < 2.77	<5.2
2.77 < 3.40	<5.6
3.40 < 3.96	<6.4
3.96 < 5.08	<9.5
5.08 < 6.35	<12.7
6.35 < 9.53	<19.1

Twist Tolerances

Largest size(mm)	Twist in max(mm/m)
12.7 ≤	1.4
12.7 < 38.1	2.1
38.1 < 63.5	2.6
63.5 < 101.6	3.5
101.6 < 152.4	6.9
< 152.4	10.4

INDUSTRIAL STAINLESS STEEL PIPES

Diamater(mm)		Tolerance(mm)	Thickness(mm)		Length(mm)	
ASTM-A312 STANDARD						
≦ 48.26	+0.4/-0.8	+As customer requested /-12.5%		Fixed Length +5/-0		
48.26 < 114.30	+0.8/-0.8					
114.30 < 219.08	+1.6/-0.8					
219.08 < 457.2	+2.4/-0.8					
ASTM-A249/A269 STANDARD						
< 38.1	±0.13	OD < 12.7	±15%	OD<38.1	+3.2/0	
38.1 - 88.9	±0.25					
88.9 - 139.7	±0.38					
139.7 - 203.2	±0.76	OD > 12.7	±10%	OD≥38.1	+4.8/-0	
203.2 - 304.8	±1.01					
304.8 - 355.6	±1.26					
EN10217-7 STANDARD						
D1	±1.5% with ±0.75mm min	T1	± 15% with ±0.6mm min	≦6000	+5/-0	
D2	± 1% with ±0.5mm min	T2	± 12.5% with ±0.4mm min			
D3	± 0.75% with ±0.3mm min	T3	± 10% with ±0.2mm min	6000 - 12000	+10/-0	
D4	± 0.5% with ±0.1mm min	T4	± 7.5% with ±0.15mm min			
		T5	± 5% with ±0.1mm min			

FOOD&BEVERAGE & SANITARY STAINLESS STEEL PIPES

Diamater(mm)		Tolerance(mm)	Thickness(mm)	Length(mm)	
ASTM-A270 STANDARD					
< 25.4	± 0.13	±10%	OD<101.6	+3.2/-0	
25.4 - 50.8	± 0.20				
50.8 - 76.2	± 0.25				
76.2 - 101.6	± 0.38		OD≥101.6	+4.8/-0	
101.6 - 139.7	± 0.38				
139.7 - 203.2	± 0.76				
203.2 - 304.8	± 1.27				

SS Chemical Composition(%)

Standard	Grade	C(≤)	Si(≤)	Mn(≤)	P(≤)	S(≤)	Cr	Ni	other
ASTM	201	0.08	0.8	9	0.06	0.03	14	1	
	202	0.15	0.1	7.5-10	0.06	0.03	15-17	4.0-6.0	
	304	0.08	1	2	0.045	0.03	18-20	8.0-12.0	
	304L	0.03	1	2	0.045	0.03	18-20	8.0-12.0	
	316	0.08	1	2	0.045	0.03	16-18	10.0-14.0	Mo: 2-3
	316L	0.03	1	2	0.045	0.03	16-18	10.0-14.0	Mo: 2-3
	430	0.12	1	1	0.04	0.03	15-17	0.75	
EN	1.4301	0.07	1	2	0.045	0.015	17-19.5	8.0-10.5	
	1.4307	0.03	1	2	0.045	0.015	18-20	10.0-12.0	
	1.4401	0.07	1	2	0.045	0.015	16-18	10.0-13.0	Mo: 2-3
	1.4404	0.03	1	2	0.045	0.015	16-18	10.0-13.0	Mo: 2-3

SS Mechanical Properties(%)

Standard	Grade	T.S(Rm) Nmm²(≥)	Y.S(Rp)0.2% N/mm(≥)	Elongation(%) (≥)	Hardness(HV)(≤)
ASTM	201	515	205	40	220
	202	515	205	40	220
	304	520	205	40	200
	304L	480	175	40	200
	316	520	205	40	200
	316L	480	175	40	200
	430	390	205	22	200
EN	1.4301	(500-700)	195	40	200
	1.4307	(470-670)	180	40	200
	1.4401	(510-710)	205	40	200
	1.4404	(490-690)	195	40	200

STAINLESS STEEL PIPE OUTER DIAMETER ALLOWABLE VARIATION

Category	Outer Diameter	Allowable Variation	
		Better quality	Common Quality
As welded	<20	±0.20	±0.30
	≥20~<50	±0.40	±0.50
	≥50	±0.8%D	±1.0%D
Heat treatment condition	<13	±0.20	±0.25
	≥13~<25	±0.30	±0.40
	≥25~<40	±0.40	±0.60
	≥40~<65	±0.60	±0.80
	≥65~<90	±0.80	±1.00
	≥90~<140	±1.00	±1.20
	≥140~<300	±1.0%D	±1.5%D
Cold-rolled grinding and polishing	≥300~<500	±0.80%D	±1.0%D
	≥500	by consultation	by consultation
	<25	±0.10	±1.12
	≥25~<40	±0.12	±0.15
	≥40~<50	±0.15	±0.18
	≥50~<60	±0.18	±0.20
	≥60~<70	±0.20	±0.23
	≥70~<80	±0.23	±0.25
	≥80~<90	±0.25	±0.30
	≥20~<100	±0.30	±0.40
	≥100	±0.4%D	±0.5%D

STAINLESS STEEL PIPE WALL THICKNESS ALLOWABLE VARIATION

Stainless steel plate (band) condition	Wall thickness	wall thickness allowable
Hot rolled plate(band) or longitudinal snip band	≤4	±0.50-0.60
	>4	±10%S
Cold rolled plate(band) or longitudinal snip band	≤0.5	±0.10
	>0.5~1	±0.15
	>1~2	±0.20
	>2	±10%S

THIN WALL STAINLESS STEEL PIPE LINE

Material: 304, 304L, 316, 316L
Aplication: Mainly used in direct drinking water project and other demanding fluid delivery.
Main features:
 1. Service life (over 100 years);
 2. Low failure rate and leakage rate;
 3. Quality water delivery, without releasing harmful matter;
 4. Good water force, no encrustation, smooth, low water resistance;
 5. High performace-price ratio, hardly needs maintenance in 100-year service life for low cost application;
 6. Capable of enduring erosion of water current speed of 30/s or above;
 7. Exposed laying, elegant look.
Testing methods: Expanding test, flattenting test, bending, water pressure (2.45mpa), eddy current testing
Hygienic requirements: Soaking in potassium hypochlorite, potassium permanganate solution

WATER PIPE MATERIAL AND MARK

Mark	Application
0Cr18Ni9(304)	Purified drinking water, daily drinking water, air, medical gas, hot water pipelines, etc.
0Cr17Ni12Mo2(316)	Applications requiring higher corrosion-resistance than oCr18Ni9
00Cr17Ni14Mo2(316L)	Sea water

THE CHEMICAL COMPOSITION OF TUBE MATERIAL

Mark	C	Si	Mn	P	S	Ni	Cr	Mo
0Cr18Ni9(304)	≤0.07	≤1.00	≤2.00	≤0.035	≤0.03	8.00~11.00	17.00~19.00	/
0Cr17Ni12Mo2(306)	≤0.08					11.00~14.00	16.00~18.00	2.00~3.00
00Cr17Ni14Mo2(316L)	≤0.03					12.00~15.00		

THE TENSILE STRENGTH AND ELONGATION OF TUBE MATERIAL

Mark	Tensile Strength. MPA	Elongation. %
0Cr18Ni9(304)	≥520	≥35
0Cr17Ni12Mo2(306)		
00Cr17Ni14Mo2(316L)	≥480	

O.D Thickness: 0.5~3.0
Technological features:
 Low outside diameter tolerance, easy for grip ring connection, complete testing equipment ensures 100% leakage-free performance and 100% welding for each pipe and long service life.

THICKNESS TOLERANCE ASTM A276

Permissible Variation in Dimensions according to ASTM A484		
Thickness	Thickness tolerance	Width tolerance
Over 2.90 to 3.30, inch	±0.25mm	+2.4mm
Over 3.30 to 3.70, inch	±0.30mm	
Over 3.70 to 4.80, inch	±0.35mm	-0.8mm
Over 4.80 to 9.00, inch	1.25mm±0.25	

SOLUTION OF STAINLESS STEEL

GB		ASTM		JIS	
Type	Solution(°C)	Type	Solution(°C)	Type	Solution(°C)
0Cr19Ni9		Tp304		SUS304	
00Cr19Ni11	1010~1150	TP304L	1010~1150	SUS304L	1010~1150
0Cr17Ni12Mo2	water sharp quenching	TP316	water sharp quenching	SUS316	water sharp quenching
00Cr17Ni14Mo2		TP316L		SUS316L	

STAINLESS STEEL PIPE WEIGHT CALCULATION FORMULA

Type		Density q/cm3	Calculation Way
0Cr19Ni9	00Cr19Ni11	7.93	W=0.02491 t(D-t)
SUS 304	SUS 304L		
TP 304	TP 304		
0Cr17Ni12Mo2 SUS316 Tp316	00Cr17Ni14Mo2 SUS316L TP316L	7.98	W=0.02507 t(D-t)