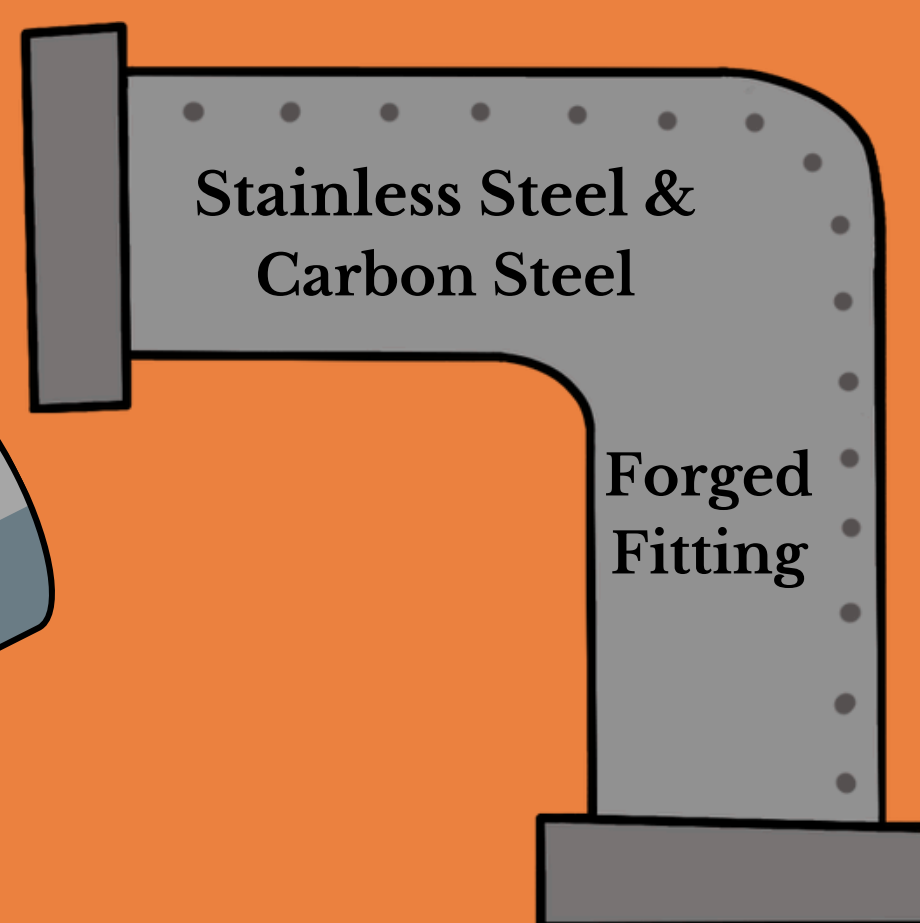
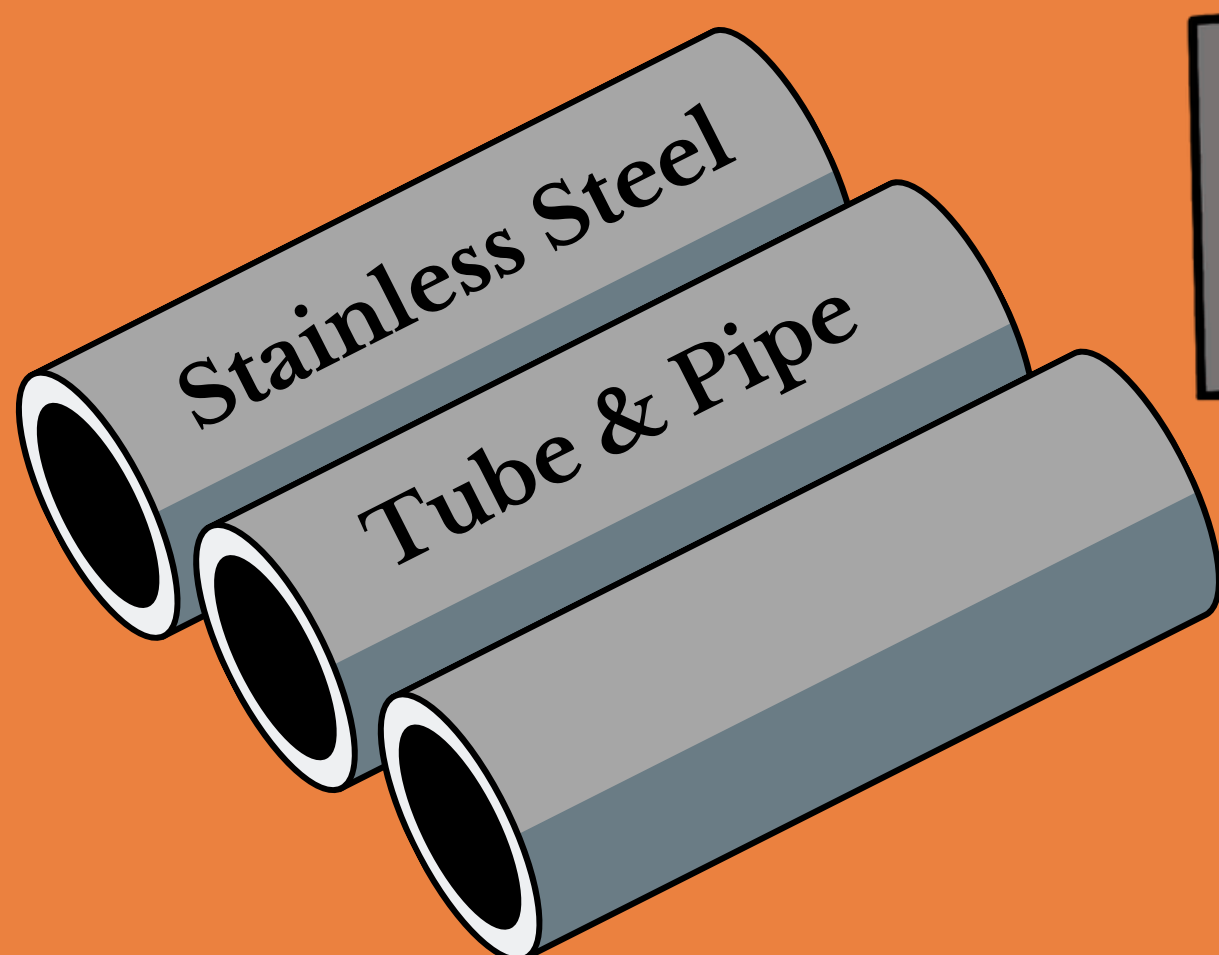




Grace Alloy Corp.

Tube, Pipe, and Forged Fitting Product Catalog



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GA strives for your optimum



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Product Information

High Pressure Forged Fittings

ASME B16.11

Stainless Steel Pipe Specifications

ASTM A312 / A778

JIS G3459

EN 10217-7

HG 20537.1-4

GB/T 12771

Large Diameter Stainless Steel Pipe Specifications

ASTM A312 / A778 / A358

JIS G3468

EN 10217-7

HG 20537.1-4

GB/T 12771

Stainless Steel Welded Tube for Boiler, Heat Exchanger, and Condenser

ASTM A249, A269, & A213

JIS G3463

DIN 17457

EN 10217-7

GB/T 24593

Stainless Steel Sanitary Tube

ASTM A270

JIS G3447

DIN 11850

ISO 2037

Light Gauge Stainless Steel Pipe for Ordinary Piping

JIS G3448

EN 10313

GB/T 19228

GB/T 12771

CJ/T 151

Stainless Steel Tube for Mechanical and Structural Purposes

ASTM A554

JIS G3446

GB/T 12770

JG/T 3030

YB/T 5363

*Other specifications are also available.



About Us

Grace Alloy Corp. is a trading company. Our team has accumulated more than three decades of extensive experience in stainless steel, carbon steel, aluminum, copper alloy, and other non-ferrous materials. We specialize in supplying and purchasing materials in the forms of but not limited to:

- Coils
- Strips
- Precision strips (CSP)
- Sheets
- Plates
- Checkered Plates
- Thick Plates
- Pipes
- Fittings
- Tubes (round/square/rectangular)
- Wire rods
- Gratings
- Bars (flat/angle/round/square/hexagon)
- Water tanks
- Laser-cutting machines
- Welding machines
- Shearing machines
- Leveling machines

Our sources abide by international specifications. We strive to put every product to its optimal use and provide our valuable customers with a one-stop and personalized purchasing experience. Our supplies are used in various industries, including construction, transportation, public infrastructure, home appliances, interior design, commercial kitchenware, automobiles, electronics, food service, etc.

The earnest teamwork, rigorous profession, respected market reputation, and solid trust have developed firm networks worldwide. Networking with various suppliers allows us to provide favorable pricing, shorter delivery time, more amicable minimum order quantity (MOQ), diverse country of origin, and integrated services for our customers.

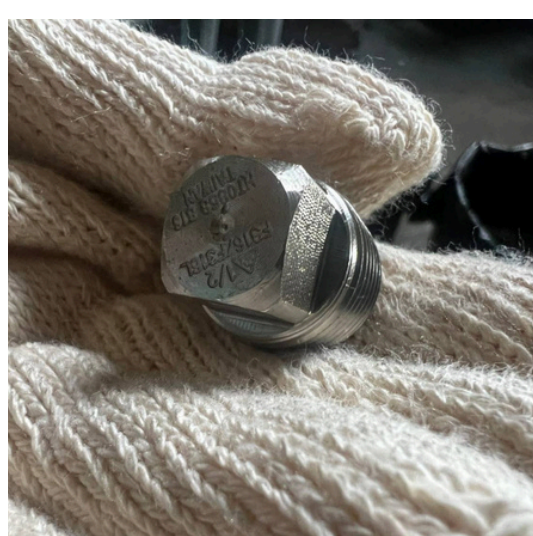
The collaborations that encompass both the domestic and international spheres are indicative of our competence, competitiveness, and confidence in rendering genuine services along with prime quality to our clients.

Maintaining a long-term, stable, smooth, and satisfying cooperative relationship with customers and suppliers serves as our topmost priority. The prospective aim of Grace Alloy Corp. is to forge cohesion that facilitates a mutually beneficial platform for each party included.

Stainless Steel and Carbon Steel Forged High Pressure Fittings

Forged Fittings Product Range

Type:	A:	Elbow, tee, coupling, half coupling, cap, plug, bushing, union, outlet, swage nipple, bull plug, reducer insert and hex, nipple, street elbows, boss...etc.
	B:	Socket-weld, threaded (NPT, and PT, and BSP (ISO7-1, ISO228-1), butt-welding.
Size:	NPS	1/8" - 4"
	DN	6-100
Rating:	NPS	Threaded end - 2000 / 3000 / 6000 lbs Socket-weld end - 3000 / 6000 / 9000 lbs Butt-weld end - SCH40 / SCH80 / SCH160 / XXS
Specifications:	A:	DIM. SPEC.: ASME B16.11 MSS SP - 79, 83, 95, 97 and BS3799
	B:	Material SPEC. : ASME/ASTM SA/A105, SA/A350 LF2, SA/A106, SA/A312, SA/A234, SA/A403. ASME/ASTM SA/A182, (F304, F304L, F316, F316L, F304H, F316H, F317L, F321, F5, F9, F11, F22, F44, F51/60, F53, F91).
	C:	Size of raw material: DIA. 19 - 120mm Round Bar.
Marking:	A:	Carbon and alloy steel: marked by stamping or laser marking.
	B:	Stainless steel: marked by jet printing, stamping, or laser marking.
	C:	3/8" under: brand only.
	D:	1/2" to 4": marked with brand, material, heat code, B16 (for ASME B16.11 product), rating, and size
Finishing:		Carbon Steel: Galvanized, phosphate, or anti-rust oil coating. Low alloy steel: Phosphate or anti-rust oil coating. Stainless steel: Pickled
Packing:		Carton / wooden case. Plywooden case.





Stainless Steel Pipe Specifications

ASTM A312, A778 (B36.19)

NPS	Inch	O.D.	5S	10S	40S
8	1/4"	13.72	1.24	1.65	2.24
10	3/8"	17.15	1.24	1.65	2.31
15	1/2"	21.34	1.65	2.11	2.77
20	3/4"	26.67	1.65	2.11	2.87
25	1"	33.4	1.65	2.77	3.38
32	1 1/4"	42.16	1.65	2.77	3.56
40	1 1/2"	48.26	1.65	2.77	3.68
50	2"	60.33	1.65	2.77	3.91
65	2 1/2"	73.03	2.11	3.05	5.16
80	3"	88.9	2.11	3.05	5.49
90	3 1/2"	101.6	2.11	3.05	5.74
100	4"	114.3	2.11	3.05	6.02
125	5"	141.3	2.77	3.4	6.55
150	6"	168.28	2.77	3.4	7.11
200	8"	219.08	2.77	3.76	8.18
250	10"	273.05	3.4	4.19	9.27
300	12"	323.85	3.96	4.57	9.53

JIS G3459

NPS	Inch	O.D.	5S	10S	20S	40S
8	1/4"	13.8	1.2	1.65	2.0	2.2
10	3/8"	17.3	1.2	1.65	2.0	2.3
15	1/2"	21.7	1.65	2.1	2.5	2.8
20	3/4"	27.2	1.65	2.1	2.5	2.9
25	1"	34	1.65	2.8	3.0	3.4
32	1 1/4"	42.7	1.65	2.8	3.0	3.6
40	1 1/2"	48.6	1.65	2.8	3.0	3.7
50	2"	60.5	1.65	2.8	3.5	3.9
65	2 1/2"	76.3	2.1	3.0	3.5	5.2
80	3"	89.1	2.1	3.0	4.0	5.5
90	3 1/2"	101.6	2.1	3.0	4.0	5.7
100	4"	114.3	2.1	3.0	4.0	6.0
125	5"	139.8	2.8	3.4	5.0	6.6
150	6"	165.2	2.8	3.4	5.0	7.1
200	8"	216.3	2.8	4.0	6.5	8.2
250	10"	267.4	3.4	4.0	6.5	9.3
300	12"	318.5	4.0	4.5	6.5	10.3

GB/T 12771, HG 20537.1-4

DN	A	B	5S	10S	20S
10	17.2	14	-	1.65	-
15	21.3	18	1.6	2.1	2.6
20	26.9	25	1.6	2.1	2.6
25	33.7	32	1.6	2.8	3.2
32	42.4	38	1.6	2.8	3.2
40	48.3	45	1.6	2.8	3.2
50	60.3	57	1.6	2.8	3.6
65	76.1	76	2.0	3.0	3.6
80	88.9	89	2.0	3.0	4.0
90	-	-	2.0	3.0	4.0
100	114.3	108	2.0	3.0	4.0
125	139.7	133	2.9	3.4	5.0
150	168.3	159	2.9	3.4	5.0
200	219.1	219	2.9	4.0	6.3
250	273	273	3.6	4.0	6.3
300	323.9	325	4.0	4.5	6.3

Application: Products are widely used in industries such as chemical, petroleum, papermaking, energy, sewage engineering, etc.



Stainless Steel Pipe Specifications

EN 10217-7

Thickness	1.2	1.6	2	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.6	6.3	7.1	8	8.8	10	11	12.5	14.2
Gauge																				
13.5																				
17.2																				
21.3																				
26.9																				
33.7																				
42.4																				
48.3																				
60.3																				
76.1																				
88.9																				
101.6																				
114.3																				
139.7																				
168.3																				
219.1																				
273																				
323.9																				

Stainless Steel Pipe Tolerance

Item	Outside Diameter Tolerance (mm)	Wall Thickness Tolerance (mm)	Straightness (mm)	Length (mm)
Standards				
ASTM A312	<= 48.26	+0.4 /-0.8	+/- 12.5%	6.4mm / 6.0m
	> 48.26 ~ <= 114.3	+0.8 /-0.8		
	> 114.3 ~ <= 219.08	+1.6 /-0.8		
	> 219.08 ~ <= 457.2	+2.4 /-0.8		
JIS G3459	< 30.0	+/-0.3	< 2.0 +/- 0.2	Defined Length
	>= 30.0	+/-1.0% D	>= 2.0 +/- 10%	
GB/T 12771	< 40.0	+/-0.3	+/- 10%	OD (mm) / m
	>= 40.0 ~ < 65.0	+/-0.4		
	>= 65.0 ~ < 90.0	+/-0.5		
	>= 90.0 ~ < 168.3	+/-1.0		
	>= 168.3 ~ < 325.0	+/-1.0% D		
EN 10217-7	D <= 168.3	D3 +/-0.75% or +/-0.3 D4 +/-0.5% or +/-0.1	T3 +/- 10% or +/- 0.2mm	3.0mm / m
	D <= 168.3	D2 +/- 1.0%		
				L <= 6.0m +5.0 -0.0 6.0m < L < 12.0 +10.0 -0.0 L > 12.0m: by agreement

Large Diameter Stainless Steel Pipe Specifications

ASTM A312, A778, A358						JIS G3468						
NPS	Inch	O.D.	5S	10S	40S	NPS	Inch	O.D.	5S	10S	20S	40S
350	14"	355.6	3.96	4.78	9.53	350	14"	355.6	4	5	8	11.1
400	16"	406.4	4.19	4.78	9.53	400	16"	406.4	4.5	5	8	12.7
450	18"	457.2	4.19	4.78	9.53	450	18"	457.2	4.5	5	8	14.3
500	20"	508	4.78	5.54	9.53	500	20"	508	5	5.5	9.5	15.1
550	22"	558.8	4.78	5.54	-	550	22"	558.8	5	5.5	9.5	15.9
600	24"	609.6	5.54	6.35	9.53	600	24"	609.6	5.5	6.5	9.5	17.5
650	26"	660.4	7.92	9.53	12.7	650	26"	660.4	5.5	8	12.7	-
700	28"	711.2	7.92	9.53	12.7	700	28"	711.2	5.5	8	12.7	-
-	30"	762	7.92	9.53	12.7	750	30"	760	6.5	8	12.7	-
800	32"	812.8	7.92	9.53	12.7	800	32"	812.8	-	8	12.7	-
-	34"	863.6	7.92	9.53	12.7	850	34"	863.6	-	8	12.7	-
900	36"	914.4	7.92	9.53	12.7	900	36"	914.4	-	8	12.7	-
-	38"	965.2	-	9.53	12.7	-	-	-	-	-	-	-
1000 2000	40" 80"	1016 2032	Nominal diameter and wall thickness are subject to the approval of the vendor and purchaser.			1000 2000	40" 80"	1016 2032	Nominal diameter and wall thickness are subject to the approval of the vendor and purchaser.			

GB/T 12771, HG 20537.1-4					
DN	A	B	5S	10S	20S
350	355.6	377	4	5	8
400	406.4	426	4	5	8
450	457.2	478	4	5	8
500	508	529	5	5.6	10
550	-	-	5	5.6	10
600	610	630	5.6	6.3	10
650	650	-	8	10	13
700	711	720	8	10	13
750	762	-	8	10	13
800	813	820	8	10	13
850	864	-	8	10	13
900	914	920	8	10	13
950	965	-	8	10	13
1000 2000	1016 2032	1020 2032	Nominal diameter and wall thickness are subject to the approval of the vendor and purchaser.		

Application: Products are widely used in industries such as chemical, petroleum, papermaking, energy, sewage engineering, etc.



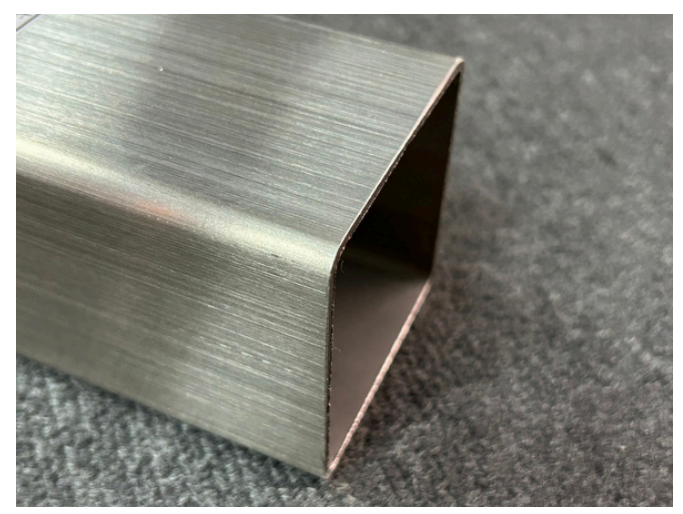
Large Diameter Stainless Steel Pipe Specifications

EN 10217-7															
Thickness	2.9	3.2	3.6	4	4.5	5	5.6	6.3	7.1	8	8.8	10	11	12.5	14.2
Gauge															
355.6															
406.4															
457															
508															
610															

Nominal diameter and wall thickness are subject to the approval of the vendor and purchaser.

Stainless Steel Pipe Tolerance

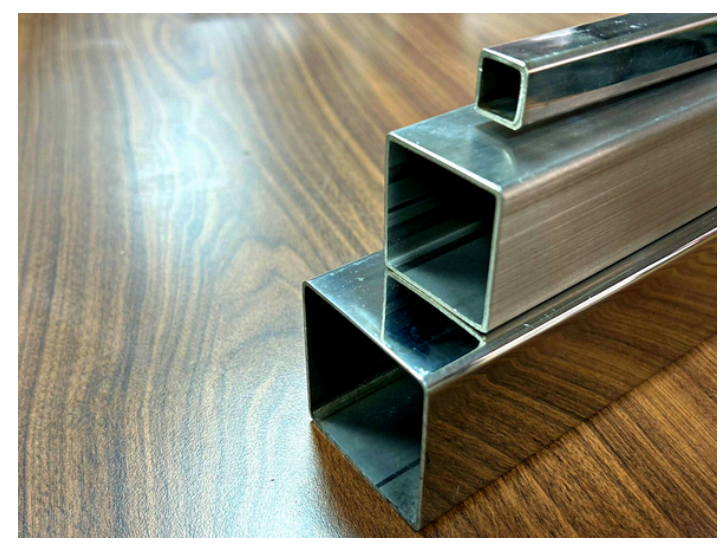
Item	Outside Diameter Tolerance (mm)	Wall Thickness Tolerance (mm)	Straightness (mm)	Length (mm)		
Standards						
ASTM A312	> 219.08 <= 457.2	+2.4 -0.8	6.4mm / 6.0m	+50.0 -0.0		
	> 457.2 <= 660.4	+3.2 -0.8				
	> 660.4 <= 863.2	+4 -0.8				
	> 863.2	+4.48 -0.8				
ASTM A358	+/-0.5% D Roundness 1% (Difference between major and minor outside diameters)	The minimum wall thickness in the pipe shall not go under 0.3mm.	-			
JIS 3468	<= 318.5	+/-1.0% D	> 555.8	T < 8.0mm +/- 12.5% T >= 8.0mm +/- 10%	- Defined Length	
	>= 355.6	+/-0.5% D	>= 555.8	T < 8.0mm + not specified /- 12.5% T >= 8.0mm + not specified /- 10%		
GB/T 12771	>= 325 < 610	+/-1.0%	+/- 10%	> 108.0 - 325	<= 2.5	+20.0
	>= 610	+/-0.7% D or +/-10mm		> 325.0	<= 2.5	-0.0
EN 10217-7	D > 168.3	D2 +/- 1.0%	+/- 10%	3.0mm / m	L <= 6.0m +5.0 -0.0 6.0m < L < 12.0 +10.0 -0.0 L >= 12.0m: by agreement	



Stainless Steel Square Tube

Stainless Steel Square Tube Product Range

Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0	
Outside Diameters (mm) (inch)	20GA		19GA	18GA	16GA		14GA	11GA		7GA						
10 x 10																
12.7 x 12.7 1/2 x 1/2																
15.88 x 15.88 5/8 x 5/8																
19.05 x 19.05 3/4 x 3/4																
20 x 20																
22.23 x 22.23 7/8 x 7/8																
25.4 x 25.4 1 x 1																
30 x 30																
31.75 x 31.75 1 1/4 x 1 1/4																
38.1 x 38.1 1 1/2 x 1 1/2																
40 x 40																
50 x 50 2 x 2																
50.8 x 50.8																
60 x 60																
63.5 x 63.5 2 1/2 x 2 1/2																
70 x 70																
75 x 75																

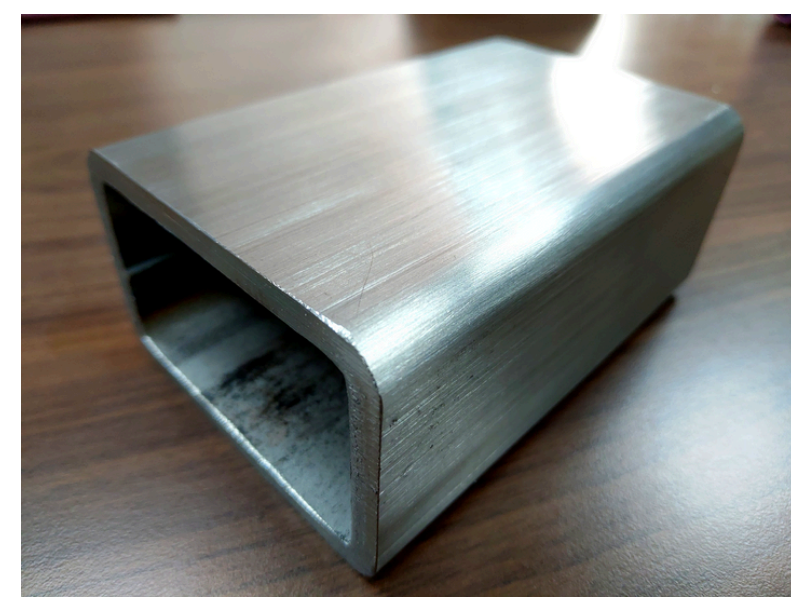


Stainless Steel Square Tube

Stainless Steel Square Tube Product Range

Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm) (inch)	20GA		19GA		18GA		16GA		14GA		11GA		7GA		
76.2 x 76.2 3 x 3															
80 x 80															
88.9 x 88.9 3 1/2 x 3 1/2															
90 x 90															
100 x 100															
101.6 x 101.6 4 x 4															
110 x 110															
120 x 120															
125 x 125															
130 x 130															
140 x 140															
150 x 150															
160 x 160															
180 x 180															
200 x 200															
250 x 250															
300 x 300															

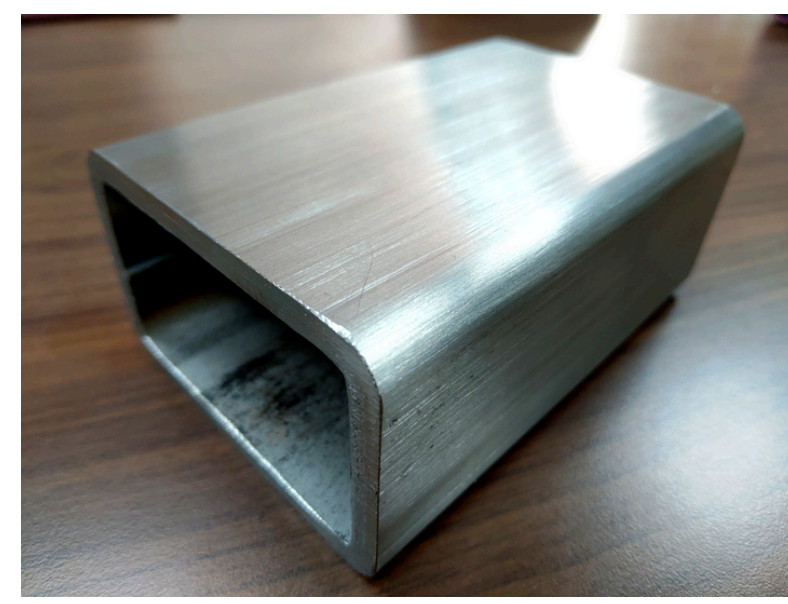
*Other specifications and sizes are available up to requests.



Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

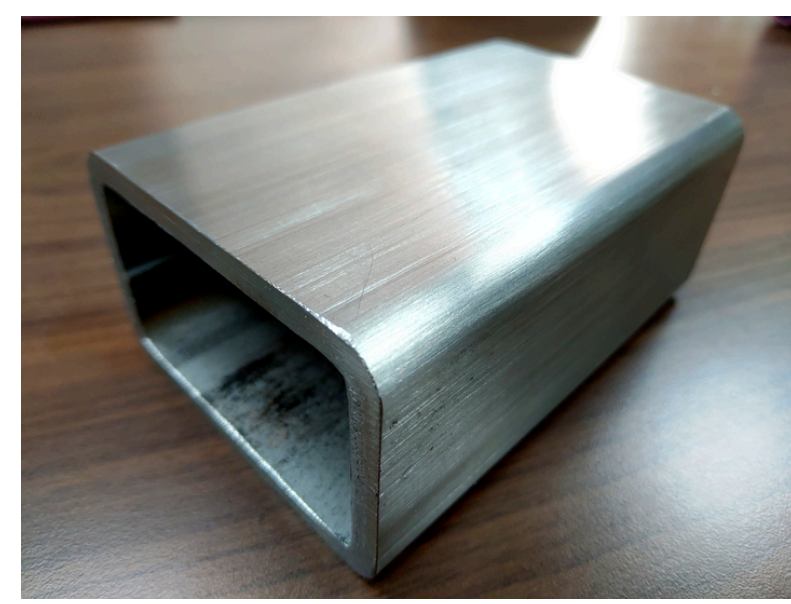
Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm)	20GA		19GA		18GA	16GA		14GA	11GA		7GA				
10 x 20	◆	◆	◆	◆	◆	◆									
10 x 25	◆	◆	◆	◆	◆	◆	◆	◆							
10 x 30	◆	◆	◆	◆	◆	◆	◆	◆							
10 x 40	◆	◆	◆	◆	◆	◆	◆	◆							
10 x 50	◆	◆	◆	◆	◆	◆	◆	◆							
10 x 60			◆	◆	◆	◆	◆	◆							
10 x 70					◆	◆	◆	◆							
10 x 80					◆	◆	◆	◆							
10 x 90					◆	◆	◆	◆							
10 x 100					◆	◆	◆	◆							
15 x 20	◆	◆	◆	◆	◆	◆	◆	◆							
15 x 25	◆	◆	◆	◆	◆	◆	◆	◆							
15 x 30	◆	◆	◆	◆	◆	◆	◆	◆							
15 x 40	◆	◆	◆	◆	◆	◆	◆	◆							
15 x 50	◆	◆	◆	◆	◆	◆	◆	◆							
15 x 60			◆	◆	◆	◆	◆	◆							
15 x 70				◆	◆	◆	◆	◆							



Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

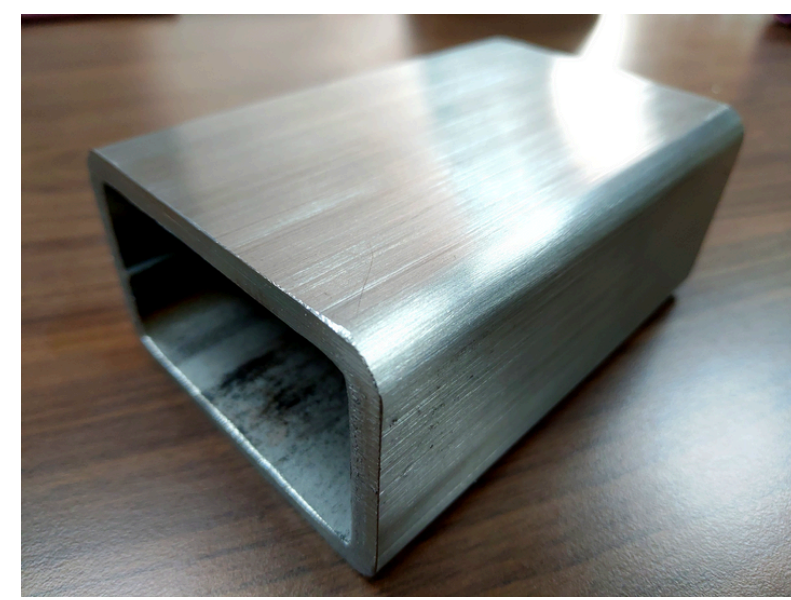
Wall Thickness (mm):	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm)	20GA		19GA	18GA	16GA		14GA	11GA		7GA					
15 x 75				◆	◆	◆	◆	◆							
15 x 80				◆	◆	◆	◆	◆							
15 x 90				◆	◆	◆	◆	◆							
15 x 100				◆	◆	◆	◆	◆							
20 x 25	◆	◆	◆	◆	◆	◆	◆	◆							
20 x 30	◆	◆	◆	◆	◆	◆	◆	◆							
20 x 40	◆	◆	◆	◆	◆	◆	◆	◆							
20 x 50	◆	◆	◆	◆	◆	◆	◆	◆							
20 x 60	◆	◆	◆	◆	◆	◆	◆	◆							
20 x 70					◆	◆	◆	◆							
20 x 75					◆	◆	◆	◆							
20 x 80						◆	◆	◆							
20 x 90							◆	◆							
20 x 100							◆	◆							
25 x 30	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
25 x 38	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
25 x 40	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
25 x 50	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
25 x 60			◆	◆	◆	◆	◆	◆	◆	◆					
25 x 70			◆	◆	◆	◆	◆	◆	◆	◆					



Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

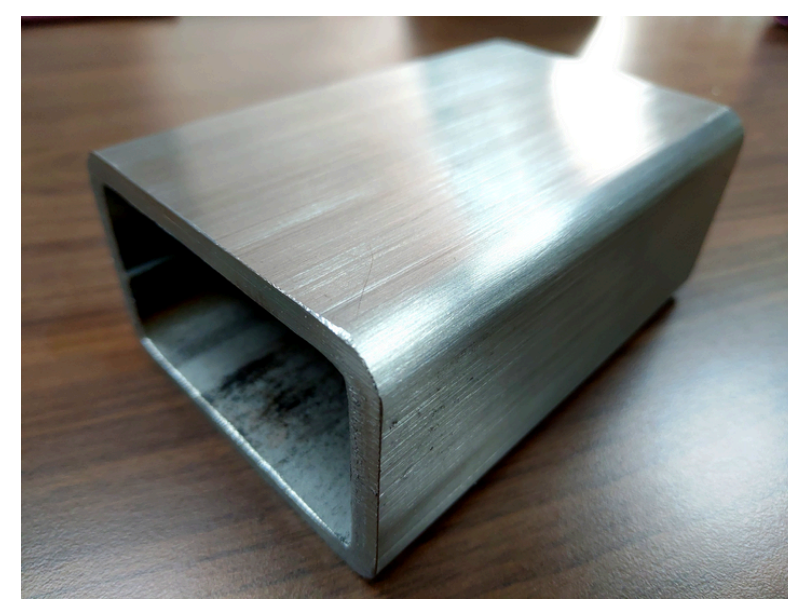
Wall Thickness (mm):	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm)	20GA		19GA	18GA	16GA		14GA	11GA		7GA					
25 x 75			◆	◆	◆	◆	◆	◆	◆	◆					
25 x 80					◆	◆	◆	◆	◆	◆					
25 x 90					◆	◆	◆	◆	◆	◆					
25 x 100					◆	◆	◆	◆	◆	◆					
30 x 40	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
30 x 50	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
30 x 60	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
30 x 70	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
30 x 75	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
30 x 80			◆	◆	◆	◆	◆	◆	◆	◆					
30 x 90			◆	◆	◆	◆	◆	◆	◆	◆					
30 x 100	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
35 x 45	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
35 x 50	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
35 x 60			◆	◆	◆	◆	◆	◆	◆	◆					
35 x 75			◆	◆	◆	◆	◆	◆	◆	◆					
35 x 90			◆	◆	◆	◆	◆	◆	◆	◆					
40 x 50	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
40 x 60	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
40 x 70			◆	◆	◆	◆	◆	◆	◆	◆	◆				



Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

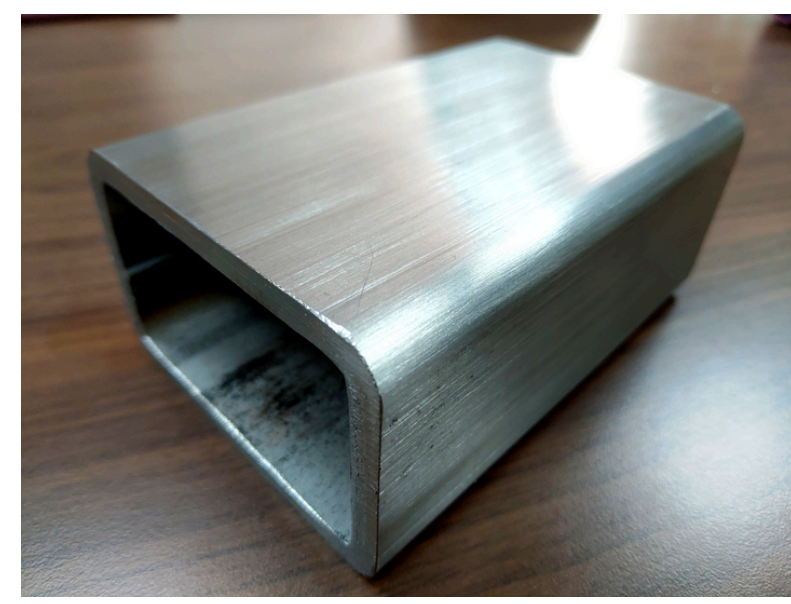
Wall Thickness (mm):	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm)	20GA		19GA		18GA	16GA		14GA	11GA		7GA				
40 x 80			◆	◆	◆	◆	◆	◆	◆	◆	◆				
40 x 100						◆	◆	◆	◆	◆	◆				
45 x 50	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
45 x 60			◆	◆	◆	◆	◆	◆	◆	◆	◆				
45 x 75			◆	◆	◆	◆	◆	◆	◆	◆	◆				
45 x 95	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
50 x 60	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
50 x 75	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
50.8 x 76.2					◆	◆	◆	◆	◆	◆	◆	◆	◆		
50 x 100					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
50 x 125					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
50 x 150						◆	◆	◆	◆	◆	◆	◆	◆	◆	
50 x 200								◆	◆	◆	◆	◆	◆	◆	
60 x 100								◆	◆	◆	◆	◆	◆	◆	
60 x 120								◆	◆	◆	◆	◆	◆	◆	
60 x 150								◆	◆	◆	◆	◆	◆	◆	
70 x 90								◆	◆	◆	◆	◆	◆		
70 x 100								◆	◆	◆	◆	◆	◆		
70 x 110										◆	◆	◆	◆		
70 x 130										◆	◆	◆	◆		



Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range															
Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters (mm)	20GA		19GA	18GA	16GA		14GA	11GA		7GA					
70 x 150										◆	◆	◆	◆		
70 x 180										◆	◆	◆	◆		
75 x 100										◆	◆	◆	◆		
75 x 125										◆	◆	◆	◆		
75 x 150										◆	◆	◆	◆		
75 x 175										◆	◆	◆	◆		
80 x 90								◆	◆	◆	◆	◆	◆	◆	
80 x 100								◆	◆	◆	◆	◆	◆	◆	
80 x 120										◆	◆	◆	◆	◆	
80 x 140										◆	◆	◆	◆	◆	
80 x 160										◆	◆	◆	◆	◆	
90 x 110										◆	◆	◆	◆	◆	
90 x 130										◆	◆	◆	◆	◆	
90 x 150										◆	◆	◆	◆	◆	
100 x 120										◆	◆	◆	◆	◆	
100 x 140										◆	◆	◆	◆	◆	
100 x 150										◆	◆	◆	◆	◆	
120 x 140										◆	◆	◆	◆	◆	
120 x 180										◆	◆	◆	◆	◆	
125 x 175										◆	◆	◆	◆	◆	
120 x 140											◆	◆	◆	◆	
120 x 180											◆	◆	◆	◆	◆
125 x 175											◆	◆	◆	◆	◆

*Other specifications and sizes are available up to requests.

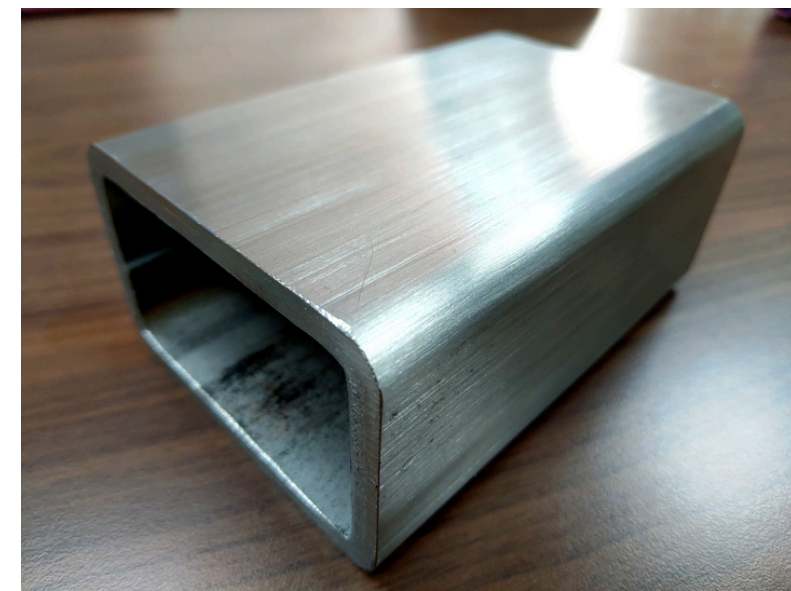


Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

Wall Thickness (mm):		0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0	
Outside Diameters		20GA			19GA	18GA	16GA		14GA	11GA		7GA					
(mm)	(inch)																
9.53 x 19.05	3/8 x 3/4	◆	◆	◆	◆	◆											
9.53 x 25.4	3/8 x 1	◆	◆	◆	◆	◆											
9.53 x 31.75	3/8 x 1 1/4	◆	◆	◆	◆	◆											
9.53 x 38.1	3/8 x 1/2	◆	◆	◆	◆	◆											
9.53 x 50.8	3/8 x 2	◆	◆	◆	◆	◆											
9.53 x 76.2	3/8 x 3				◆	◆											
9.53 x 88.9	3/8 x 1/2				◆	◆											
9.53 x 101.6	3/8 x 4				◆	◆											
12.7 x 19.05	1/2 x 3/4	◆	◆	◆	◆	◆	◆										
12.7 x 25.4	1/2 x 1	◆	◆	◆	◆	◆	◆										
12.7 x 38.1	1/2 x 1 1/2	◆	◆	◆	◆	◆	◆										
12.7 x 50.8	1/2 x 2	◆	◆	◆	◆	◆	◆										
12.7 x 76.2	1/2 x 3			◆	◆	◆	◆										
12.7 x 88.9	1/2 x 3 1/2			◆	◆	◆	◆										
12.7 x 101.6	1/2 x 4				◆	◆											
15.88 x 19.05	5/8 x 3/4	◆	◆	◆	◆	◆	◆	◆	◆								
15.88 x 25.4	5/8 x 1	◆	◆	◆	◆	◆	◆	◆	◆								
15.88 x 31.75	5/8 x 1 1/4	◆	◆	◆	◆	◆	◆	◆	◆								
15.88 x 38.1	5/8 x 1 1/2	◆	◆	◆	◆	◆	◆	◆	◆								
15.88 x 50.8	5/8 x 2			◆	◆	◆	◆	◆	◆								
15.88 x 76.2	5/8 x 3			◆	◆	◆	◆	◆	◆								
15.88 x 88.9	5/8 x 3 1/2			◆	◆	◆	◆	◆	◆								
15.88 x 101.6	5/8 x 4			◆	◆	◆	◆	◆	◆								
19.05 x 25.4	3/4 x 1	◆	◆	◆	◆	◆	◆	◆	◆								

*Other specifications and sizes are available up to requests.

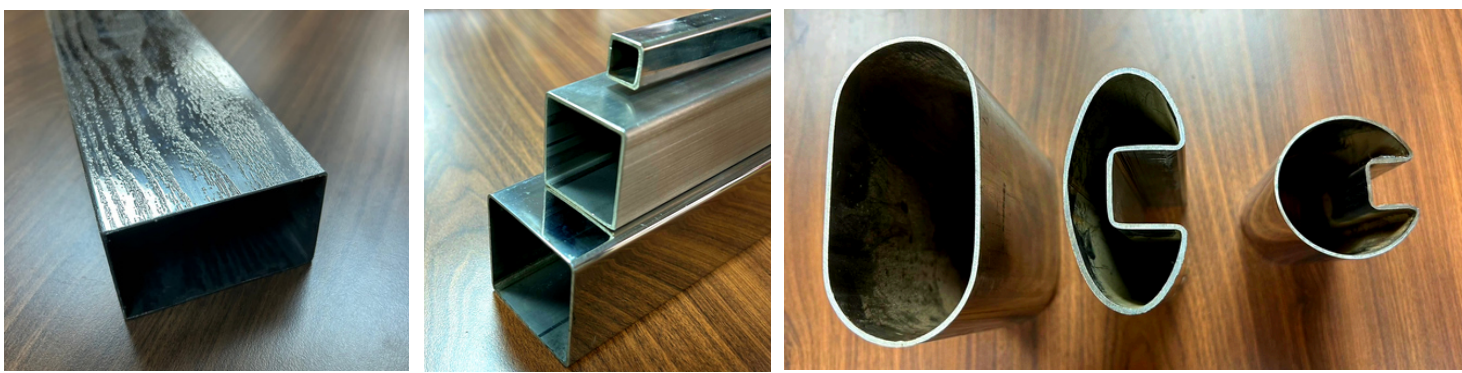


Stainless Steel Rectangular Tube

Stainless Steel Rectangular Tube Product Range

Wall Thickness (mm) :		0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0
Outside Diameters		20GA		19GA		18GA	16GA		14GA	11GA		7GA				
(mm)	(inch)															
19.05 x 31.75	3/4 x 1 1/4	◆	◆	◆	◆	◆	◆	◆	◆							
19.05 x 38.1	3/4 x 1 1/2	◆	◆	◆	◆	◆	◆	◆	◆							
19.05 x 76.2	3/4 x 3			◆	◆	◆	◆	◆	◆							
19.05 x 88.9	3/4 x 3 1/2			◆	◆	◆	◆	◆	◆							
19.05 x 101.6	3/4 x 4					◆	◆	◆	◆							
25.4 x 31.75	1 x 1 1/4	◆	◆	◆	◆	◆	◆	◆	◆							
25.4 x 38.1	1 x 1 1/2	◆	◆	◆	◆	◆	◆	◆	◆							
25.4 x 50.8	1 x 2	◆	◆	◆	◆	◆	◆	◆	◆							
25.4 x 76.2	1 x 3			◆	◆	◆	◆	◆	◆							
25.4 x 88.9	1 x 3 1/2			◆	◆	◆	◆	◆	◆	◆	◆					
25.4 x 101.6	1 x 4					◆	◆	◆	◆	◆	◆					
31.75 x 38.1	1 x 1/4 x 1 1/2	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					
31.75 x 50.8	1 1/4 x 2			◆	◆	◆	◆	◆	◆	◆	◆					
31.75 x 76.2	1 1/4 x 3			◆	◆	◆	◆	◆	◆	◆	◆					
31.75 x 101.6	1 1/4 x 4					◆	◆	◆	◆	◆	◆					
34.93 x 44.45	1 3/8 x 1 3/4			◆	◆	◆	◆	◆	◆	◆	◆					
34.93 x 50.8	1 3/8 x 2			◆	◆	◆	◆	◆	◆	◆	◆					
34.93 x 76.2	1 3/8 x 3			◆	◆	◆	◆	◆	◆	◆	◆					
34.93 x 88.9	1 3/8 x 3 1/2			◆	◆	◆	◆	◆	◆	◆	◆					
38.1 x 50.8	1 1/2 x 2			◆	◆	◆	◆	◆	◆	◆	◆					
38.1 x 76.2	1 1/2 x 3			◆	◆	◆	◆	◆	◆	◆	◆					
44.45 x 50.8	1 3/4 x 2			◆	◆	◆	◆	◆	◆	◆	◆					
44.45 x 76.2	1 3/4 x 3			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆			
50.8 x 76.2	2 x 3			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆			

*Other specifications and sizes are available up to requests.






Stainless Steel Square and Rectangular Tube Tolerance

Item	Maximum Corner Radius (mm)		Outside Diameter Tolerance (mm)	
Standards	Wall (mm)	Maximum Corner Radius (mm)	Outside Diameter (mm)	Tolerance (mm)
ASTM A554	> 0.51 ~ 1.24	2.4	<= 31.8	+/- 0.38
	> 1.24 ~ 1.65	3.2	> 31.8 ~ 63.5	+/- 0.51
	> 1.65 ~ 2.11	3.6	> 63.5 ~ 139.7	+/- 0.76
	> 2.11 ~ 2.42	4.8	> 139.7 ~ 203.2	+/- 1.52
	> 2.42 ~ 2.77	5.2	Twist Tolerance (mm)	
	> 2.77 ~ 3.40	5.6	Outside Diameter (mm)	Tolerance (mm)
	> 3.40 ~ 3.96	6.4	< 12.7	1.4
	> 3.96 ~ 5.05	9.5	>= 12.7 ~ 38.1	2.1
	> 5.08 ~ 6.35	12.7	> 38.1 ~ 63.5	2.6
	> 6.35 ~ 9.53	19.1	> 63.5 ~ 101.6	3.5
			> 101.6 ~ 152.4	6.9
		> 152.4	10.4	

Special Shaped Stainless Steel Profiles Tube

Special Shaped Stainless Steel Profiles Tube

Type	Slot	Shape	Size (mm)	Depth of Channel (mm)	Thickness (mm)								
					0.8	0.9	1.0	1.2	1.24	1.5	1.6	2.0	
Slot Round Tube	Single Slot		42.15	20 x 20									
			50.8	15 x 15									
			63.5	20 x 20									
Elliptical Tube	Single Slot		80 x 40	24 x 24									
			30 x 17.8										
			40 x 80										
Oval Tube			50 x 100										

Nominal diameter and wall thickness subject to the approval of vendor and purchaser .

*Other specifications and sizes are available up to requests.



Stainless Steel Round Tube

Round Tube Product Range

Wall Thickness (mm) :	0.33	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0
Outside Diameters (mm) (inch)														
9.5	◆	◆	◆	◆	◆	◆	◆	◆						
12.7 1/2	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
15.9 6/8	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
18.0				◆	◆	◆	◆	◆	◆	◆				
19.0	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
19.05	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
20.0				◆	◆	◆	◆	◆	◆	◆				
22.2 7/8	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
25.4 1		◆	◆	◆	◆	◆	◆	◆	◆	◆				
27.2					◆	◆	◆	◆	◆	◆	◆	◆		
31.8 1 1/4			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
33.34				◆	◆	◆	◆	◆	◆	◆	◆	◆		
38.1 1 1/2				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
42.7				◆	◆	◆	◆	◆	◆	◆	◆	◆		
48.26					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
50.8 2					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
60.5						◆	◆	◆	◆	◆	◆	◆	◆	◆
63.5 2 1/2						◆	◆	◆	◆	◆	◆	◆	◆	◆
76.2 3							◆	◆	◆	◆	◆	◆	◆	◆
88.9									◆	◆	◆	◆	◆	◆
89.1 3 1/2										◆	◆	◆	◆	◆
101.6 4											◆	◆	◆	◆

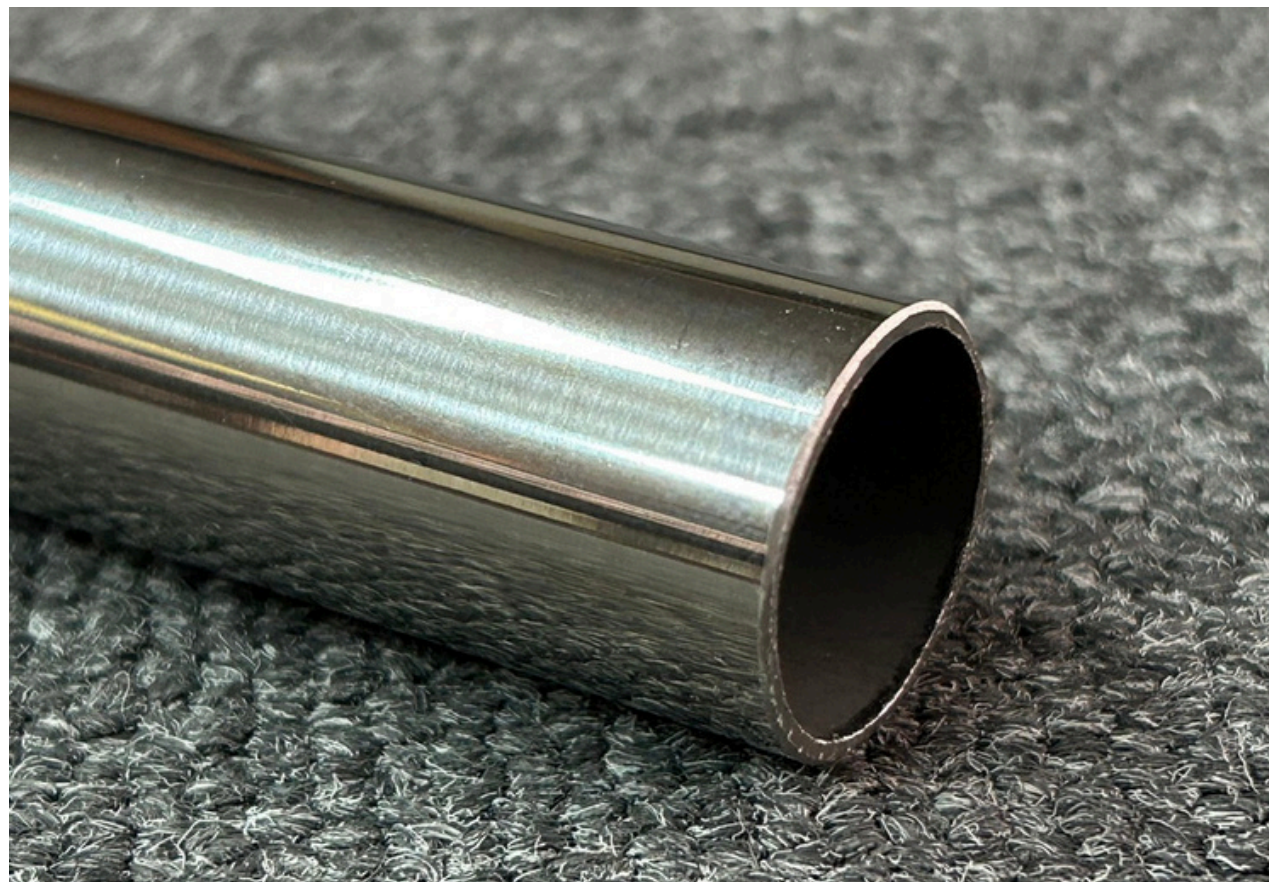
*Other specifications and sizes are available up to requests.

Stainless Steel Round Tube

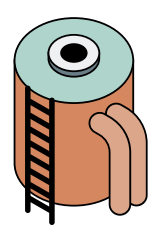
Stainless Steel Round Tube Tolerance

Outside Diameter (mm)	Wall Thickness (mm)	Outside Diameter Tolerance (mm)	Width Tolerance (mm)	Length Tolerance (mm)
< 12.7	0.33 ~ 1.0	+/-0.13	+/-0.02 0.9: +0/-0.04	+ 10 /-0
	> 1.0 ~ 1.5	+/-0.13		
>= 12.7 ~ 25.4	0.33 ~ 1.0	+/-0.15		
	> 1.0 ~ 2.0	+/-0.13		
> 25.4 ~ 38.1	0.38 ~ 1.0	+/-0.25		
	> 1.0 ~ 1.6	+/-0.20		
> 38.1 ~ 50.8	0.58 ~ 1.24	+/-0.28		
	> 1.24 ~ 3.0	+/-0.25		
> 50.8 ~ 63.5	0.78 ~ 1.65	+/-0.33		
	> 1.65 ~ 3.0	+/-0.30		
> 63.5 ~ 88.9	0.78 ~ 3.0	+/-0.36		
> 88.9 ~ 101.6	1.5 ~ 3.0	+/-0.51		

Application: With its outstanding resistance to corrosion, heat, pressure, strain, and salt, stainless steel round tubes are commonly used in architectural construction, transportation equipment, railway vehicles, automotives, coal mining, container construction, and so forth.



* The scratches and dust on the surfaces are produced by the sampling process. It does not stand for the quality of Grace Alloy Corp. Please refer to the part without scratches and dust.

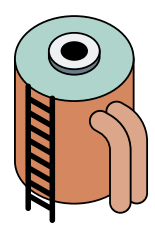


Stainless Steel Welded Tube for Boiler, Heat Exchanger, and Condenser

ASTM A249, A269, A213, JIS G3463, DIN 17457, GB/T 24593, EN 10217-7

Stainless Steel Welded Tube Product Range											
Wall Thickness (mm) :	0.8	1.0	1.2	1.24	1.5	1.65	2.0	2.11	2.5	3.0	3.5
Outside Diameters (mm) (inch)	18GA			16GA			14GA		12GA		11GA
9.5	★	★	★	★	★	★					
12.7 1/2	★	★	★	★	★	★					
15.9 6/8	★	★	★	★	★	★	★	★	★		
16.0	★	★	★	★	★	★	★	★	★		
18.0	★	★	★	★	★	★	★	★	★		
19.10 3/4	◆	◆	◆	◆	◆	◆	◆	◆	★		
22.0	◆	◆	◆	◆	◆	◆	◆	◆	★		
22.2 7/8	◆	◆	◆	◆	◆	◆	◆	◆	★		
25.0	◆	◆	◆	◆	◆	◆	◆	◆	★		
25.4 1	◆	◆	◆	◆	◆	◆	◆	◆	★		
28.58 1 1/8	◆	◆	◆	◆	◆	◆	◆	◆	★		
31.8 1 1/4	◆	◆	◆	◆	◆	◆	◆	◆	★		
32.0	◆	◆	◆	◆	◆	◆	◆	◆	★		
34.0	◆	◆	◆	◆	◆	◆	◆	◆	★		
35.0	◆	◆	◆	◆	◆	◆	◆	◆	★		
38.1 1 1/2	◆	◆	◆	◆	◆	◆	◆	◆	★	★	

★ Can produce A269 ◆ Can produce A249/A269 ▲ Only inside bead removed



Stainless Steel Welded Tube for Boiler, Heat Exchanger, and Condenser

ASTM A249, A269, A213, JIS G3463, DIN 17457, GB/T 24593, EN 10217-7

Stainless Steel Welded Tube Product Range

Wall Thickness (mm) :	0.8	1.0	1.2	1.24	1.5	1.65	2.0	2.11	2.5	3.0	3.5
Outside Diameters (mm) (inch)	18GA			16GA			14GA		12GA		11GA
40.0	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
41.3	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
42.7	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
44.5 1 3/4	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
48.6	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
50.8 2	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
52.0	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
57.0	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
63.5 2 1/2	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
70.0	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
76.2 3	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
85.0	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
89.1 3 1/2	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
101.6 4	◆	◆	◆	◆	◆	◆	◆	◆	★	★	
104.0					▲	▲	▲	▲			
114.3 4 1/2					▲	▲	▲	▲			

★ Can produce A269 ◆ Can produce A249/A269 ▲ Only inside bead removed

Application: The product is applicable in the construction of high-pressure power boiler, superheating steam tube, boiling water pipe, and superheating tube for locomotives.

*Other specifications and sizes are available up to requests.

Stainless Steel Welded Tube for Boiler, Heat Exchanger, and Condenser

ASTM A249, A269, A213, JIS G3463, DIN 17457, GB/T 24593, EN 10217-7

Stainless Steel Welded Tube Tolerance

Item	Outside Diameter Tolerance (mm)		Wall Thickness Tolerance (mm)	Length (mm)
Standards				
ASTM A269	< 38.1	+/-0.13	OD < 12.7 +/- 15%	OD < 38.1 +3.2/-0.0
	>= 38.1 ~ < 88.9	+/-0.25		
	>= 88.9 ~ < 139.7	+/-0.38		
	>= 139.7 ~ < 203.2	+/-0.76	OD >= 12.7 +/- 10.0%	OD < 38.1 +4.0/-0.0
	>= 203.2 ~ < 304.8	+/-1.01		
	>= 304.8 ~ < 355.6	+/-1.26		
ASTM A249	< 25.0	+0.1/-0.11	+/- 10.0%	OD < 50.8 +3.0/-0.0 OD >= 50.8 +5.0/-0.0
	>= 25.0 ~ <= 40.0	+/-0.15		
	> 40.0 ~ < 50.0	+/-0.20		
	>= 50.0 ~ < 65.0	+/-0.25		
	>= 65.0 ~ < 75.0	+/-0.30		
	>= 75.0 ~ < 100.0	+/-0.38		
	> 100.0 ~ <= 200.0	+0.38/-0.64		
	> 200.0 ~ <= 225.0	+0.38/-1.14		
GB/T 24593	<= 25.0	+/-0.10	+/- 10.0%	+5.0 -0.0
	> 25.0 ~ 40.0	+/-0.15		
	> 40.0 ~ 50.0	+/-0.20		
	> 50.0 ~ 65.0	+/-0.25		
	> 65.0 ~ 75.0	+/-0.30		
	> 75.0 ~ 100.0	+/-0.38		
	> 100.0 ~ 200.0	+0.38/-0.64		
	> 200.0 ~ 225.0	+0.38/-1.14		
	> 225.0 ~ 305.0	+/- 0.75%D		
JIS G3463	< 60.0	+/-0.25	OD < 40.0 T < 2mm +0.4/- 0.0 T >= 2mm +20%/- 0.0	OD <= 50.0 +0.7/-0.0 OD > 50.0 +10.0/-0.0
	>= 60.0 ~80.0	+/-0.30		
	>= 80.0 ~ < 100.0	+/-0.40		
	>= 100.0 ~ < 120.0	+0.40/-0.60	OD < 40.0 +22%/- 0.0	
	>= 120.0 ~ < 160.0	+0.40/-0.80		
	>= 160.0 ~ < 200.0	+0.40/-1.20		
	>= 200.0	+0.40/-1.60		

Stainless Steel Sanitary Tube

ASTM A270, DIN 11850, JIS G3447, ISO 2037, BS4825, QB/T 2467

Stainless Steel Sanitary Tube Product Range

Wall Thickness (mm) :	0.89	0.9	1.0	1.07	1.2	1.24	1.5	1.65	2.0	2.11	2.5	2.77	3.05	4.0	5.0
Outside Diameters (mm) (inch)	20GA	19GA			18GA		16GA		14GA		12GA		11GA		
15.9 5/8															
19.1 3/4															
22.2 7/8															
25.4 1															
28.6 1 1/8															
31.8 1 1/4															
33.4															
35.0															
38.1 1 1/2															
41.3															
42.7															
44.5 1 3/4															
48.6															
50.8 2															
57.0 2 1/4															

Stainless Steel Sanitary Tube

ASTM A270, DIN 11850, JIS G3447, ISO 2037, BS4825, QB/T 2467

Stainless Steel Sanitary Tube Product Range

Wall Thickness (mm) :	0.89	0.9	1.0	1.07	1.2	1.24	1.5	1.65	2.0	2.11	2.5	2.77	3.05	4.0	5.0			
Outside Diameters (mm) (inch)	20GA			19GA			18GA			16GA			14GA		12GA		11GA	
60.3 2 3/8																		
63.5 2 1/2																		
76.2 3																		
88.9 3 1/2																		
101.6 4																		
114.3 4 1/2																		
139.7 5 1/2																		
154.0																		
165.2																		
168.3 6 5/8																		
219.08 8 5/8																		
273.05 10 3/4																		
323.85 12 3/4																		
355.60 14																		
406.4 16																		

Nominal diameter and wall thickness subject to the approval of vendor and purchaser (O.D. up to 1,016mm).

Application: Biological engineering industry, food industry, pharmaceutical industry, purified water industry, electronic engineering industry, chemical fiber industry, chemical industry, papermaking industry, the beer industry, highly-purified gases industry, cosmetics industry, etc.

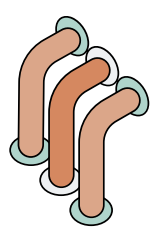
*Other specifications and sizes are available up to requests.

Stainless Steel Sanitary Tube

ASTM A270, DIN 11850, JIS G3447, ISO 2037, BS4825, QB/T 2467

Stainless Steel Sanitary Tube Tolerance

Item	Outside Diameter Tolerance (mm)	Wall Thickness Tolerance (mm)	Length (mm)
Standards			
ASTM A270	<= 25.4	+/-0.13	+/- 10.0% OD <= 101.6 +3.2/-0.0 OD > 101.6 +4.8/-0.0
	> 25.4 ~ 50.8	+/-0.20	
	> 50.8 ~ 76.2	+/-0.25	
	> 76.2 ~ 101.6	+/-0.38	
	> 101.6 ~ <139.7	+/-0.38	
	>= 139.7 ~ < 203.2	+/-0.76	
	>= 203.2 ~ 304.8	+/-1.27	
JIS G3447	25.4	+/-0.15	+/- 10.0% +10.0 -0.0
	31.8	+/-0.16	
	38.1	+/-0.19	
	50.8	+/-0.25	
	63.5	+/-0.25	
	76.3	+/-0.25	
	89.1	+0.30/-0.40	
	101.6	+0.35/-0.40	
	114.3	+0.40/-0.60	
	139.8	+0.40/-0.80	
	165.2	+0.40/-1.20	



Light Gauge Stainless Steel Pipe for Ordinary Piping

GB/T 19228, GB/T 12771, JIS G3448, EN 10312, CJ/T 151

Light Gauge Stainless Steel Pipe Product Range

Wall Thickness (mm) :		0.80	1.0	1.2	1.5	2.0	2.5	3.0	4.0	5.0
Outside Diameters N.B./ DN (mm)										
8	9.5									
	10									
15	15.88									
	18									
20	19.1									
	20									
	22.22									
25	25.4									
	28.58									
32	31.8									
	34									
40	42.7									
	44.5									
50	48.6									
	50.8									
60	60.5									
	63.5									
65	76.1									



Light Gauge Stainless Steel Pipe for Ordinary Piping

GB/T 19228, GB/T 12771, JIS G3448, EN 10312, CJ/T 151

Light Gauge Stainless Steel Pipe Product Range

Wall Thickness (mm) :		0.80	1.0	1.2	1.5	2.0	2.5	3.0	4.0	5.0
Outside Diameters N.B./ DN (mm)										
80	88.9									
100	101.6									
	108									
125	133									
150	159									
200	219.08									
250	273.05									
300	323.85									

Application: It is commonly applied to industrial and civic cold water, hot water, heating, gas pipeline networks, firefighting system, solar energy tubes, conditioning tubes, and so forth.

***Other specifications and sizes are available up to requests.**

Product Features:

1. High durability with a lifespan of up to 50-100 years.
2. High performance in corrosion resistance, hygiene, and tensile strength. The tensile strength of 304-grade stainless steel pipe is twice of steel pipe, three to four times of copper pipe, and eight to ten times of plastic pipe.
3. Smooth inside bead and low fluid resistance. The water flow current is increased by 45% or more when compared with metal pipes under identical flow section.
4. Due to its excellent corrosion-resistant quality, the stainless steel pipe can maintain its cleanliness after being installed at an exposed area for a long period of time.
5. When compared with other materials, stainless steel pipes achieve sustainability not only during the production process but also after it reaches the end of the product lifespan. It is readily available for recycling even after it is damaged.



Light Gauge Stainless Steel Pipe for Ordinary Piping

GB/T 19228, GB/T 12771, JIS G3448, EN 10312, CJ/T 151

Light Gauge Stainless Steel Pipe Tolerance

Item	Outside Diameter Tolerance (mm)		Wall Thickness Tolerance (mm)		Length (mm)	
Standards						
	GB/T 19228	12.7	-	+/-0.10		+20.0 -0.0
		16.0/18.0	15.9	+/-0.10		
		20.0/22.0	22.2	+/-0.11		
		25.4/28.0	28.6	+/-0.14		
		32.0/35.0	34.0	+/-0.17		
		40.0/42.0	42.7	+/-0.21		
		50.8/54.0	48.6	+/-0.25		
		60.3/63.5	-	+/-0.32		
		76.1	-	+/-0.38		
		88.9	-	+/-0.44		
101.6/108.0		-	+/-0.54			
EN 10312	12.0/15.0	+/-0.10		+/- 10.0%	+20.0 -0.0	
	18.0	+/-0.10				
	22.0	+/-0.11				
	28.0	+/-0.14				
	35.0	+/-0.18				
	42.0	+/-0.21				
	54.0	+/-0.27				
	64.0	+/-0.32				
	76.1	+/-0.38				
	88.9	+/-0.44				
	108.0	+/-0.54				
	133.0/159.0	+/-1.0				
	219.0/273.0	+/-1.5				
JIS G3448	< 34.0	+0.0/-0.37		0.7 ~ 1.2 1.5 2.0 3.0	+20.0 -0.0	
	34.0	+/-0.34				
	42.7	+/-0.43				
	48.6	+/-0.49				
	60.5	+/-0.60				
	>= 76.3	+/-1.0%				

Stainless Steel Tube for Mechanical and Structural Purposes

Depending on the surface requirements, we are able to offer surface finish with 180G, 240G, 320G, 400G, 600G, HL, MF, etc.

ASTM A554, GB/T 12770, JIS G3446, JG/T 3030, YB/T 5363

Stainless Steel Tube for Mechanical and Structural Purposes Product Range

Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0	
Outside Diameters (mm) (inch)	20GA		19GA	18GA	16GA		14GA	11GA		7GA						
9.5 3/8																
10.0																
12.0																
12.7 1/2																
15.88 5/8																
18.0																
19.05 3/4																
20.5																
22.23 7/8																
25.4 1																
28.58 1 1/8																
31.75 1 1/4																
34.93 1 3/8																
38.1 1 1/2																
40.0																

Stainless Steel Tube for Mechanical and Structural Purposes

ASTM A554, GB/T 12770, JIS G3446, JG/T 3030, YB/T 5363

Stainless Steel Tube for Mechanical and Structural Purposes Product Range

Wall Thickness (mm):	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0	
Outside Diameters (mm) (inch)	20GA		19GA	18GA	16GA		14GA	11GA		7GA						
41.28 1 5/8																
44.45 1 3/4																
50.8 2																
57.15 2 1/4																
63.5 2 1/2																
70.0																
76.2 3																
80.0																
85.0																
88.9 3 1/2																
101.6 4																
104.78 4 1/8																
107.95 4 1/4																
114.3 4 1/2																
127.0 5																

Stainless Steel Tube for Mechanical and Structural Purposes

ASTM A554, GB/T 12770, JIS G3446, JG/T 3030, YB/T 5363

Stainless Steel Tube for Mechanical and Structural Purposes Product Range

Wall Thickness (mm) :	0.80	0.90 0.89	1.0	1.07	1.20 1.24	1.5	1.65	2.0 2.11	2.5	3.0 3.05	4.0	4.50 4.57	5.0	6.0	8.0	
Outside Diameters (mm) (inch)	20GA		19GA 18GA		16GA 14GA		11GA		7GA							
133.35 5 1/4																
141.30																
158.75 6 1/4																
168.28 6 5/8																
219.08 8 5/8																
273.05 10 3/4																
323.85 12 3/4																
355.60 14																
406.40 16																

We can also offer wall tolerance with 21GA - 7GA

Application: It is widely used in machinery, medical devices, sports and fitness equipments, coatings, high-speed trains, automotives, furniture, interior decorations, etc.

***Other specifications and sizes are available up to requests.**

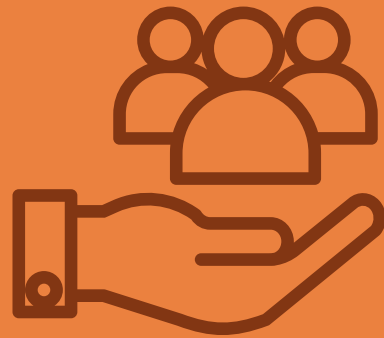
Stainless Steel Tube for Mechanical and Structural Purposes

ASTM A554, GB/T 12770, JIS G3446, JG/T 3030, YB/T 5363

Stainless Steel Tube for Mechanical and Structural Purposes Product Tolerance

Item	Outside Diameter Tolerance (mm)			Wall Thickness Tolerance (mm)	Length (mm)
Standards	Outside Diameter (mm)	Wall Thickness (mm)	Tolerance (mm)		
ASTM A554	< 12.7	0.51 ~ 1.24	+/-0.10	+/-10%	+4.8 -0.0
	>= 12.7 ~ 25.4	0.51 ~ 1.65	+/-0.13		
		> 1.65 ~ 3.40	+/-0.25		
	> 25.4 ~ 38.1	0.64 ~ 1.65	+/-0.20		
		> 1.65 ~ 3.40	+/-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		
		> 2.77 ~ 4.19	+/-0.36		
	> 63.5 ~ 88.9	0.89 ~ 4.19	+/-0.36		
		> 4.19	+/-0.51		
> 88.9 ~ 127.0	0.81 ~ 4.19	+/-0.51			
	> 4.19	+/-0.64			
> 127.0 ~ 190.5	1.24 ~ 6.35	+/-0.64			
	> 6.35	+/-0.76			
> 190.5 ~ 406.4	+/-1.0% D				
GB/T 12770	< 25.0	+/-0.15		+/-10%	+20.0 -0.0
	>= 25.0 ~ < 40.0	+/-0.18			
	>= 40.0 ~ < 50.0	+/-0.20			
	>= 50.0 ~ < 60.0	+/-0.23			
	>= 60.0 ~ < 70.0	+/-0.30			
	>= 70.0 ~ < 80.0	+/-0.30			
	>= 80.0 ~ < 90.0	+/-0.30			
	>= 90.0 ~ < 100.0	+/-0.40			
	>= 100.0 ~ < 200.0	+/-0.5% D			
	>= 200.0	By agreement			
JIS G3446	< 50.0	+/-0.25	< 3.0 +/-0.3	+50.0 -0.0	
	>= 50.0	+/-0.5%	>= 3.0 +/-10%		

Grace Alloy Corp.



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