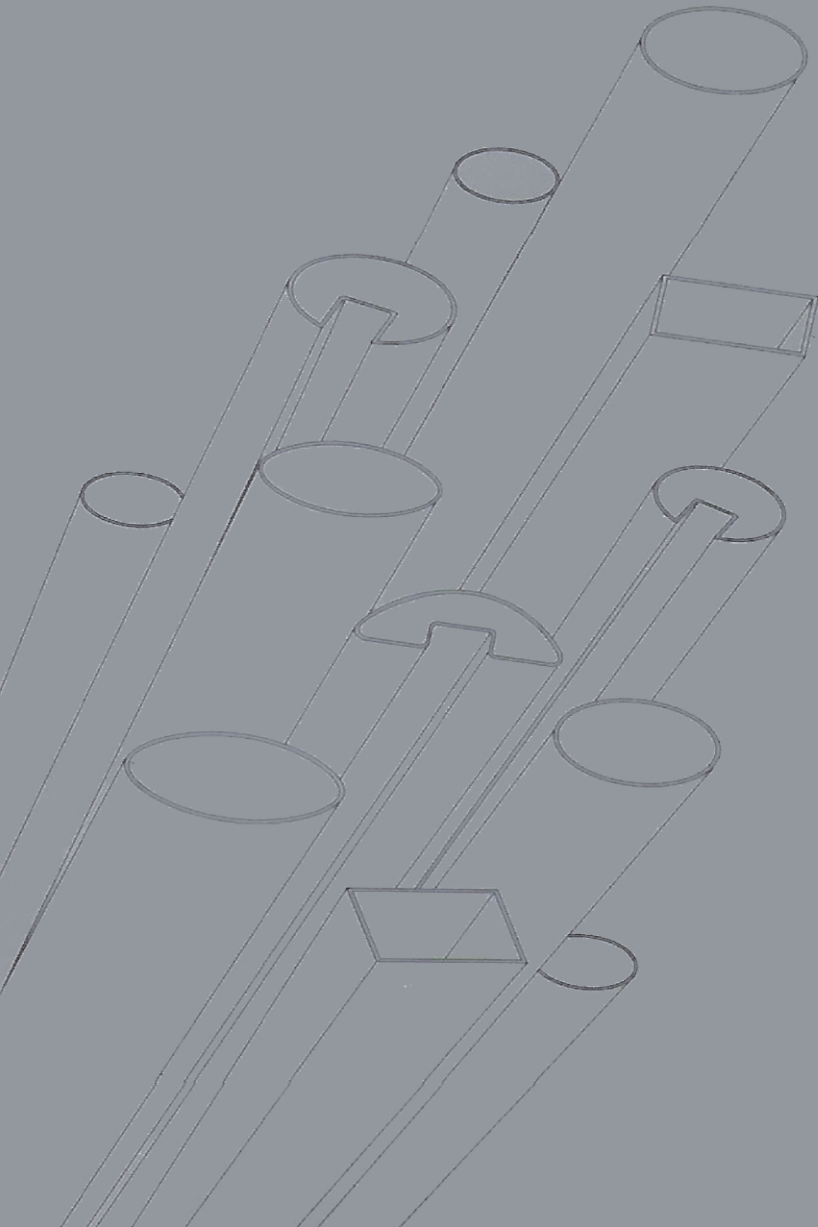


YELIM
STAINLESS STEEL
WELDED PIPE & TUBE



 **YELIM METAL CO., LTD.**

Welcom to Yerim Metal homepage.

Hello ,this is Yerim Metal Co.,ltd .

Thank you to all of our customers who have always cherished and visited Yerim Metal co.,ltd.

Since its establishment in 1981 ,our company has been producing stainless steel pipes for mechanical structures and decorations in Korea .As a leader ,who have been leading the structural stainless steel pipe business in Korea and we are going to expand our market to overseas.

Based on advanced technology ,rich experience and state-of-the- art facilities, ϕ 254 round pipe,the largest diameter pipe for the first time in Korea ,200X200mm square pipe has been produced.

We will continue to provide good products with the best quality and reasonable price ,We promise to supply it at the time when our customers need ,we ask for your continued interest.

Thank you

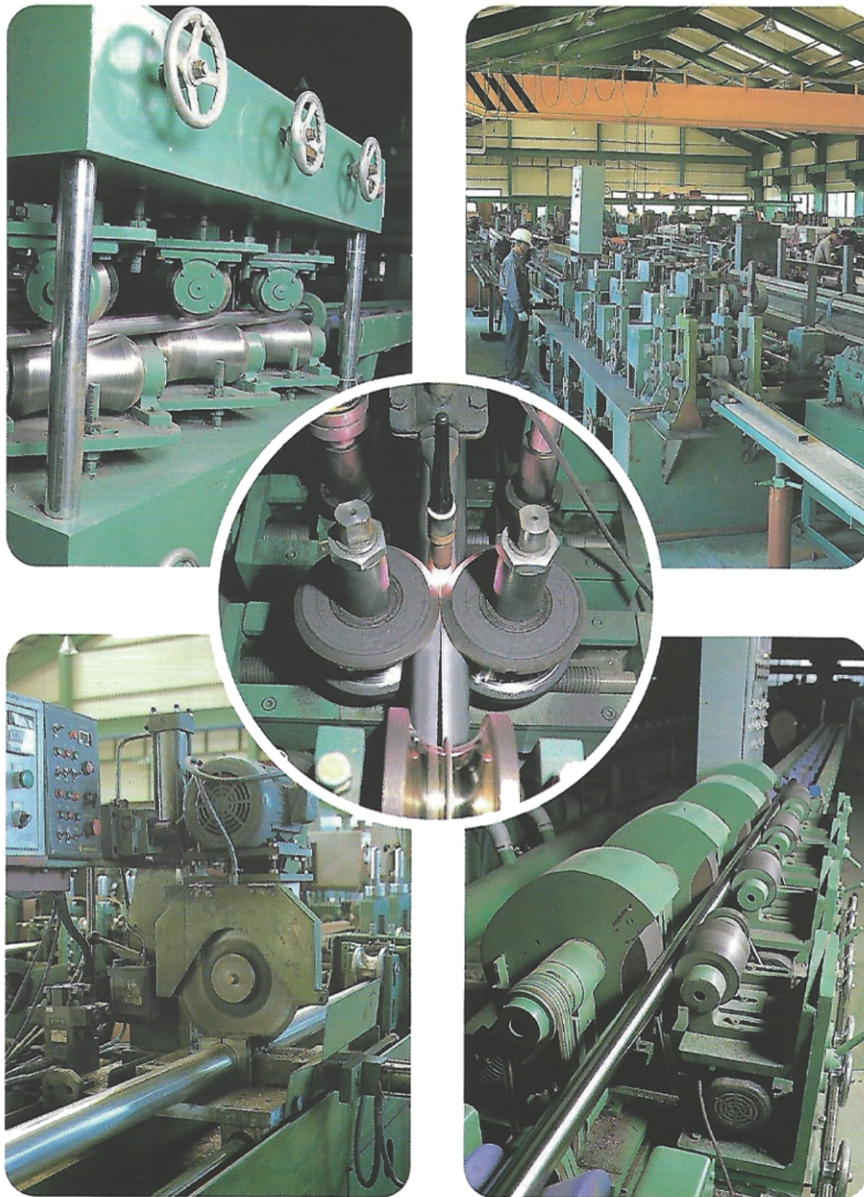
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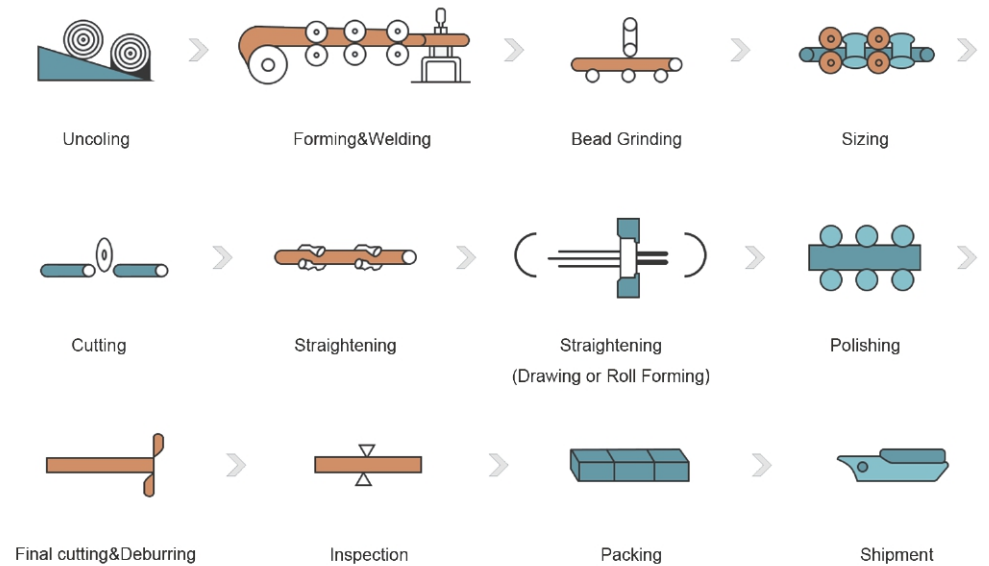
Manufacturing Plant



Manufacturing Equipment



Manufacturing Process



SS PIPE Standard

Agency	Spec.	Title
ASTM	A270	Seamless and Welded Austenitic Stainless Steel Sanitary Tubing
	A554	Welded Stainless Steel Mechanical Tubing
	A778	Welded, Unannealed Austenitic Stainless Steel Tubular Products
ISO	ISO 2037	Stainless Steel Tubes for the Food Industry
JIS	G3446	Stainless Steel Pipes for Machine and Structural Purposes
	G3447	Stainless Steel Sanitary Pipe
	G3448	Light Gauge Stainless Steel Pipes for Ordinary Piping
DIN	17455	General Purpose Welded Circular Stainless Steel Tubes
KS	D3536	기계구조용 스테인레스강관
	D3585	스테인레스강 위생관
	D3595	일반배관용 스테인레스관

Size Range and Weight Table

Round Tube(Ornamental,Structural and Mechanical)

T		(inch)	.020	.024	.028	.032	.035	.040	.043	.049	.059	.065	.071	.078	.087	.100	.110	.118	T		OD	
OD		(mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.5	1.6	1.8	2.0	2.2	2.5	2.8	3.0			(mm)	(inch)
1/2"	(inch)																					
	(mm)																					
5/8"	9.60		0.113	0.135	0.155	0.175	0.195	0.214	0.233	0.251											9.60	5/8"
	12.70		0.152	0.181	0.209	0.237	0.265	0.291	0.318	0.344											12.70	1/2"
	14.60		0.176	0.209	0.242	0.275	0.307	0.339	0.370	0.401	0.489										14.60	5/8"
3/4"	15.80		0.191	0.227	0.263	0.299	0.334	0.369	0.403	0.436	0.534	0.566	0.628	0.688							15.80	5/8"
	19.10		0.232	0.277	0.321	0.365	0.408	0.451	0.493	0.535	0.658	0.697	0.776	0.852							19.10	3/4"
	20.00		0.243	0.290	0.337	0.383	0.428	0.473	0.518	0.562	0.691	0.733	0.816	0.897							20.00	3/4"
7/8"	22.30		0.272	0.324	0.377	0.428	0.480	0.531	0.581	0.631	0.777	0.825	0.919	1.011							22.30	7/8"
	25.00		0.305	0.365	0.424	0.482	0.540	0.598	0.655	0.711	0.878	0.933	1.040	1.146	1.249	1.401					25.00	1"
	25.40		0.310	0.371	0.431	0.490	0.549	0.608	0.666	0.723	0.893	0.949	1.058	1.166	1.271	1.426					25.40	1"
1-1/4"	27.20		0.333	0.398	0.462	0.526	0.590	0.653	0.715	0.777	0.960	1.020	1.139	1.255	1.370	1.538					27.20	1-1/4"
	31.75		0.389	0.466	0.541	0.617	0.692	0.766	0.840	0.913	1.130	1.202	1.343	1.482	1.619	1.822					31.75	1-1/4"
	34.00		0.417	0.499	0.581	0.662	0.742	0.822	0.901	0.980	1.214	1.291	1.444	1.594	1.743	1.962					34.00	1-1/4"
1-1/2"	38.10		0.468	0.560	0.652	0.743	0.834	0.924	1.014	1.103	1.368	1.455	1.628	1.799	1.967	2.217					38.10	1-1/2"
	41.28		0.508	0.608	0.708	0.807	0.905	1.003	1.101	1.198	1.486	1.581	1.770	1.957	2.141	2.415					41.28	1-5/8"
	44.45		0.547	0.655	0.763	0.870	0.976	1.082	1.188	1.293	1.605	1.708	1.912	2.115	2.315	2.612					44.45	1-3/4"
1.9"	45.00		0.554	0.664	0.772	0.881	0.989	1.096	1.203	1.309	1.625	1.730	1.937	2.142	2.346	2.647					45.00	1.9"
	48.26		0.595	0.712	0.829	0.946	1.062	1.177	1.292	1.407	1.747	1.860	2.083	2.305	2.524	2.850					48.26	1.9"
	50.00		0.617	0.738	0.860	0.980	1.101	1.221	1.340	1.459	1.812	1.929	2.161	2.391	2.620	2.958	3.292	3.512			50.00	1.9"
2"	50.80		0.626	0.750	0.874	0.996	1.119	1.241	1.362	1.483	1.842	1.961	2.197	2.431	2.663	3.008	3.348	3.572			50.80	2"
	57.15			0.845	0.984	1.123	1.261	1.399	1.536	1.672	2.079	2.214	2.482	2.748	3.011	3.403	3.791	4.047			57.15	2-1/4"
	63.50					1.249	1.403	1.557	1.710	1.862	2.317	2.467	2.767	3.064	3.359	3.799	4.234	4.521			63.50	2-1/2"
2-3/4"	69.85					1.376	1.546	1.715	1.884	2.052	2.554	2.720	3.051	3.380	3.707	4.194	4.677	4.996			69.85	2-3/4"
	76.20					1.503	1.688	1.873	2.058	2.242	2.791	2.973	3.336	3.697	4.055	4.590	5.120	5.470			76.20	3"
	88.90					1.756	1.973	2.190	2.406	2.622	3.266	3.479	3.905	4.329	4.751	5.381	6.005	6.419			88.90	3-1/2"
4"	89.10					1.760	1.977	2.195	2.411	2.628	3.273	3.487	3.914	4.339	4.762	5.393	6.019	6.434			89.10	
	96.00					1.897	2.132	2.366	2.600	2.834	3.531	3.762	4.224	4.683	5.140	5.823	6.501	6.950			96.00	
	101.60					2.009	2.258	2.506	2.754	3.001	3.740	3.986	4.475	4.962	5.447	6.171	6.891	7.368			101.60	4"
4.5"	114.30					2.262	2.542	2.822	3.102	3.381	4.215	4.492	5.044	5.595	6.143	6.962	7.777	8.317			114.30	4.5"
	125.00					2.475	2.782	3.089	3.395	3.701	4.615	4.918	5.524	6.128	6.730	7.629	8.523	9.117			125.00	
	127.00							3.139	3.450	3.760	4.689	4.998	5.614	6.228	6.839	7.753	8.663	9.267			127.00	5"
6-1/2"	165.10							4.088	4.494	4.899	6.113	6.516	7.322	8.126	8.927	10.126	11.320	12.114			165.10	6-1/2"

Note 1) A little deviation from the above size range may be available.

Please consult with us about the sizes which are not included in above table.

2) The weight listed in above table is applied to grade T304,T304L and T321.

3) The weight of T316 and T316L is about 0.64% heavier than weight of above table, if size is same.

4) The weight of Ferritic grade is about 2.5% less than weight of above table,if size is same.

5) Available size:Upto 10"(254mm) out diameter & upto 6mm thickness.

Size Range and Weight Table

Square and Rectangular Tube(Ornamental. Structural and Mechanical)

Unit: Kg/Meter

Thickness AF					(inch)	.020	.024	.028	.032	.035	.040	.043	.049	.059	.065	.071	.078	.087	.100	.110	.118	Thickness AF										
					(mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.5	1.6	1.8	2.0	2.2	2.5	2.8	3.0											
(inch)		(mm)																				(mm)			(inch)							
		10x10			0.152	0.181	0.209	0.237	0.265	0.291	0.318	0.344											10x10									
		12x12			0.191	0.227	0.263	0.299	0.334	0.369	0.403	0.436	0.534														12x12					
		15x15			10x20	0.232	0.277	0.321	0.365	0.408	0.451	0.493	0.535	0.658	0.697	0.776	0.852										15x15	10x20				
1x1	0.75x1.25	20x20	10x30	15x25	0.310	0.371	0.431	0.490	0.549	0.608	0.666	0.723	0.893	0.949	1.058	1.166	1.271	1.426								20x20	10x30	15x25	1x1	0.75x1.25		
		25x25	20x30	10x40	0.390	0.466	0.542	0.618	0.693	0.767	0.841	0.915	1.132	1.204	1.345	1.485	1.622	1.825								25x25	20x30	10x40				
					0.396	0.474	0.551	0.628	0.704	0.780	0.855	0.930	1.151	1.224	1.368	1.510	1.650	1.856														
1.25x1.25	1x1.5	30x30	20x40		0.468	0.560	0.652	0.743	0.834	0.924	1.014	1.103	1.368	1.455	1.628	1.799	1.967	2.217								30x30	20x40	1.25x1.25	1x1.5			
						0.497	0.595	0.692	0.789	0.886	0.981	1.077	1.172	1.453	1.546	1.731	1.913	2.093	2.360													
		30x40	35x35		20x50	0.548	0.656	0.764	0.871	0.977	1.084	1.189	1.294	1.607	1.710	1.915	2.117	2.318	2.616								30x40			35x35	20x50	
1.5x1.5	1x2				0.598	0.716	0.833	0.951	1.067	1.183	1.299	1.414	1.756	1.869	2.094	2.317	2.537	2.865								1.5x1.5	1x2					
		40x40	30x50		20x60	0.750	0.874	0.996	1.119	1.241	1.362	1.483	1.842	1.961	2.197	2.431	2.663	3.008	3.348	3.572								40x40	30x50	20x60		
		40x50	30x60		20x70	0.845	0.984	1.123	1.261	1.399	1.536	1.672	2.079	2.214	2.482	2.748	3.011	3.403	3.791	4.047								40x50	30x60	20x70		
2x2	1.5x2.5		10x80		0.845	0.984	1.123	1.261	1.399	1.536	1.672	2.079	2.214	2.482	2.748	3.011	3.403	3.791	4.047								2x2	1.5x2.5				
		50x50	40x60		30x70	0.940	1.095	1.249	1.403	1.557	1.710	1.862	2.317	2.467	2.767	3.064	3.359	3.799	4.234	4.521						50x50			40x60	30x70		
						0.958	1.116	1.273	1.430	1.587	1.743	1.898	2.361	2.515	2.820	3.124	3.425	3.874	4.317	4.611												
		50x60	40x70	30x80	1.035	1.206	1.376	1.546	1.715	1.884	2.052	2.554	2.720	3.051	3.380	3.707	4.194	4.677	4.996								50x60	40x70	30x80			
			20x90	10x100	1.035	1.206	1.376	1.546	1.715	1.884	2.052	2.554	2.720	3.051	3.380	3.707	4.194	4.677	4.996									20x90	10x100			
		60x60	40x80	50x70	1.130	1.316	1.503	1.688	1.873	2.058	2.242	2.791	2.973	3.336	3.697	4.055	4.590	5.120	5.470								60x60	40x80	50x70			
2.5x2.5	2x3				1.199	1.397	1.594	1.791	1.988	2.184	2.379	2.963	3.157	3.542	3.926	4.307	4.876	5.440	5.814								2.5x2.5	2x3				
		70x70	40x100		50x90	1.323	1.541	1.760	1.977	2.195	2.411	2.628	3.273	3.487	3.914	4.339	4.762	5.393	6.019	6.434									70x70	40x100	50x90	
		75x75	50x100		60x90	1.426	1.662	1.897	2.132	2.366	2.600	2.834	3.531	3.762	4.224	4.683	5.140	5.823	6.501	6.950									75x75	50x100	60x90	
3x3	2x4				1.442	1.680	1.918	2.156	2.393	2.630	2.866	3.571	3.805	4.272	4.736	5.199	5.889	6.575	7.030								3x3	2x4				
		80x80	60x100		40x120	1.510	1.759	2.009	2.258	2.506	2.754	3.001	3.740	3.986	4.475	4.962	5.447	6.171	6.891	7.368									80x80	60x100	40x120	
		100x100								3.139	3.450	3.760	4.689	4.998	5.614	6.228	6.839	7.753	8.663	9.267									100x100			
4x4	3x5									3.198	3.516	3.832	4.779	5.094	5.721	6.347	6.971	7.903	8.830	9.446									4x4	3x5		

- Note
- 1)The weight listed in above able is applied to grade T304, T304L and T321.
 - 2)The weight of T316 and T316L is about 0.64% heavier than weight weight of above table, if size is same.
 - 3)The weight of Ferritic grade is about 2.5% less than weight of above table, if size is same.
 - 4)Available size:upto 8"x8" (200x200) & upto 6mm thickness

Production Grade

Configuration	Application	Surface	Remark
Round Tube	Ornamental Tube	Mill finish	As welded
		#80 finish	Polished by #80 grit wheel or lbelt
		#120 finish	Polished by #120 grit wheel or lbelt
		#180 finish	Polished by #180 grit wheel or lbelt
		#240 finish	Polished by #240 grit wheel or lbelt
		#400 finish	Polished by #400 grit wheel or lbelt
		#600 finish	Polished by #600 grit wheel or lbelt
		Mirror finish	Buffed after polishing by #600 grit wheel or belt
		HL finish	Hair Line Finish
	Mechanical & Structural Tube	Same as Ornamental Tube	
	Sanitary Tube	#180 finish	Inside and Out side
		#240 finish	Inside and Out side
		#400 finish	Inside and Out side
		R finish	Buffed(Rouge polishing) after polishing by #600 grit wheel or belt
	Exhaust Tube	Mirror finish	As welded
SQ & Rec. Tube	Ornamental Tube	Polished	#80/#120/#180/#240/#400/#600
		HL finish	Hair Line Finish
		Mirror finish	Buffed after polishing by #600 grit wheel or belt
Non-Circular Section Tube	Mechanical & Structural Tube	Same as Ornamental Tube	
	Ornamental Tube	#180 finish	Polished by #180 grit wheel or belt
		#240 finish	Polished by #240 grit wheel or belt
		#400 finish	Polished by #400 grit wheel or belt
		#600 finish	Polished by #600 grit wheel or belt
		Mirror finish	Buffed after polishing by #600 grit wheel or belt
	Mechanical & Structural Tube	Same as Ornamental Tube	

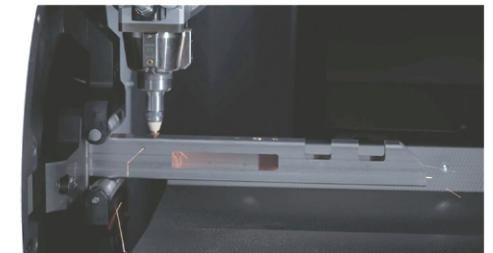
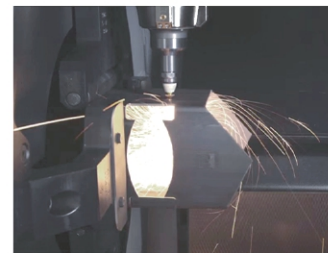
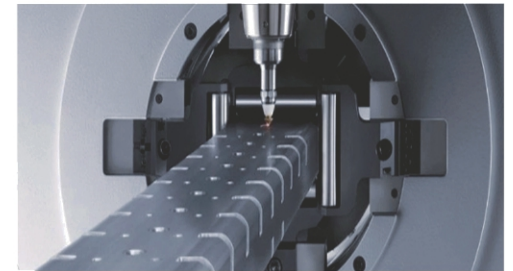
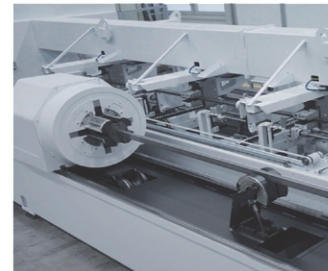
Available Material	SUS 201 304
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Stainless Steel Chemical Composition

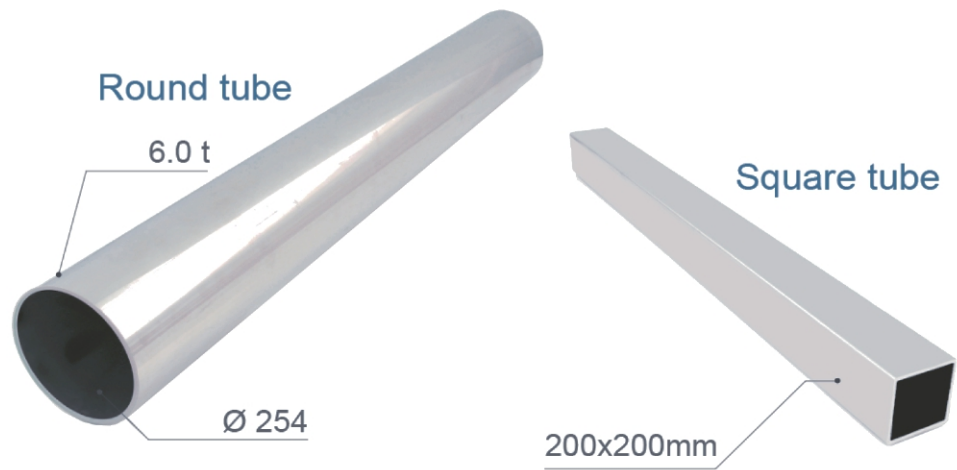
Grade	Carbon max	Mange- nese max	Phos- phorus max	Sulfur max	Composition %				
					Silicon max	Nickel	Chromium	Molybdenum	Titanium
Austenitic									
301	0.15	2.00	0.040	0.030	1.00	6.0-8.0	16.0-18.0		
302	0.15	2.00	0.040	0.030	1.00	8.0-10.0	17.0-19.0		
304	0.08	2.00	0.040	0.030	1.00	8.0-11.0	18.0-20.0		
304L	0.035 ^A	2.00	0.040	0.030	1.00	8.0-13.0	18.0-20.0		
305	0.12	2.00	0.040	0.030	1.00	10.0-13.0	17.0-19.0		
309S	0.08	2.00	0.040	0.030	1.00	12.0-15.0	22.0-24.0		
309S-Cb	0.08	2.00	0.040	0.030	1.00	12.0-15.0	22.0-24.0		
310S	0.08	2.00	0.040	0.030	1.00	19.0-22.0	24.0-26.0		
316	0.08	2.00	0.040	0.030	1.00	10.0-14.0	16.0-18.0	2.0-3.0	
316L	0.035 ^A	2.00	0.040	0.030	1.00	10.0-15.0	16.0-18.0	2.0-3.0	
317	0.08	2.00	0.040	0.030	1.00	11.0-14.0	18.0-20.0	3.0-4.0	
321	0.08	2.00	0.040	0.030	1.00	9.0-13.0	17.0-20.0		
330	0.15	2.00	0.040	0.030	1.00	33.0-36.0	14.0-16.0		
347	0.08	2.00	0.040	0.030	1.00	9.0-13.0	17.0-20.0		
Ferritic									
429	0.12	1.00	0.040	0.030	1.00	0.50 max	14.0-16.0		
430	0.12	1.00	0.040	0.030	1.00	0.50 max	16.0-18.0		
430-Ti	0.10	1.00	0.040	0.030	1.00	0.075 max	16.0-19.5		53 C min 0.75 max

*Based on ASTM A 554

Laser Machining Process



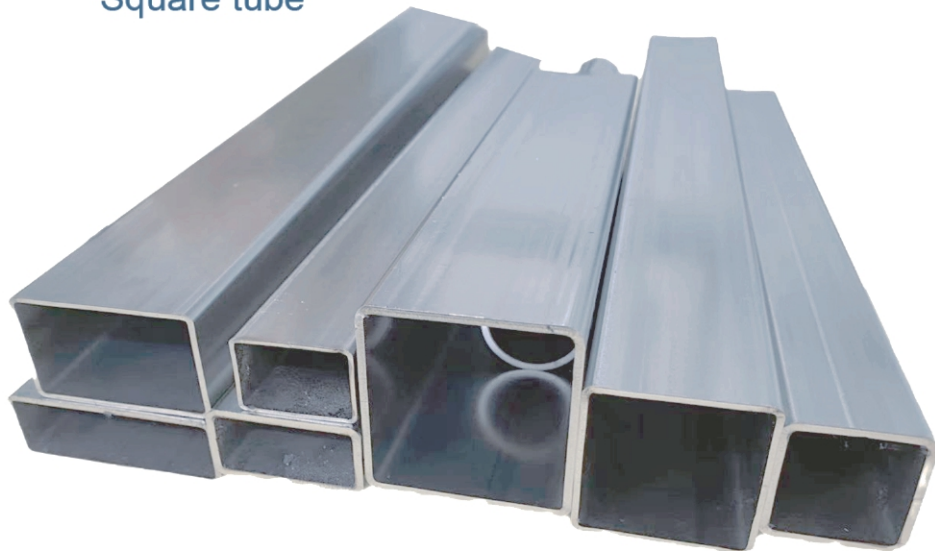
Products



Round tube



Square tube



Laser machine



Application



Stairs



Gate



Office



Swimming Pool



Street Light



Balcony

Note

**Manufacture of
Stainless Steel Tubular Product**



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