



**Cold Drawn
Stainless Steel
Seamless Tube**

**Cold Drawn
Stainless Steel
Seamless U Tube**

**Welded
Stainless Steel
Bright Annealed Tube**

**Welded
Stainless Steel
Bright Annealed U Tube**

ISO 9001:2015

ISO 14001:2015

OHSAS 18001:2007

ADW/AD 2000 W0

PED:2014/68/EU

NORSOK M-650

**Our Motto believes in Quality
towards the perfection
along with on time delivery.**



**S PLUS
TUBE TECH**

SPTT is committed to achieve “Total Customer Satisfaction” by meeting or exceeding customer requirements of seamless and welded Tubes/Pipes and continually improving the IMS (Quality, Environment, Health and Safety) and fulfillment of applicable legal requirements and prevention of pollution.

Prevention of injury and prevention of ill health of employees.

- ➔ Promote awareness of Quality, Environment, Health and Safety issues.
- ➔ Comply with all applicable Legal and Other requirements.
- ➔ Provide resources and technology for prevention of Pollution and Injury and Health improvement.
- ➔ Improving QEHS performance by setting measurable Objective and Target.
- ➔ To deliver right Quality products first time and every time.
- ➔ To maintain co-ordeal relations with Customers, Suppliers, Employees and all interested parties.
- ➔ Train, Retrain and Continuously improve employees, contractors for their up-gradation and competencies.

R.D.Patel
Chairman

To attain Global excellence by continuously developing and providing the best quality products and services. Exceeding expectations of our Customers with innovative products and applications.



Building value for all our stakeholders.

To be a value driven organization.

To be leading Stainless Steel Pipes and Tubes Manufacturing Company.



Making difference in our Space through:

- ➔ Our PRODUCTS – Having wide range of products. Becoming the supplier of choice. Delivering premium products. Creating value for our customers.
- ➔ Our PRACTICES – Making Best Better all the time. Developing our Processes and System with a future in mind.
- ➔ Our PEOPLE - Promoting team work. Nurturing talent. Enhancing leadership capability and acting with passion and pace.
- ➔ Our INNOVATIVE MINDSET - Developing cutting edge solutions in technology, processes and products.
- ➔ Our CONDUCT - Providing a safe work place. Respecting the environment and caring for our communities we belong to.

Product:- Cold Drawn Stainless Steel Seamless and Welded Straight & ‘U’ Tubes /Pipes

Product Range

Seamless	Welded
OD: - 6.0 mm to 168.3 mm	OD: - 10.0 mm to 48.3 mm
Thickness: - 0.40 mm to 25.0 mm	Thickness: - 0.30 mm to 3.0 mm
Length: - Up to 30 meters	Length: - Up to 30 meters

Stainless steel Austenitic Specification and Grade

A/SA-213,269,270,312(Pipe),A/SA-249(Welded)
 TP-304/304L/304LN/304H/310S/316/316L/316LN/316H/316Ti/317/317L/317LN/321/321H/347/ 347H/
 UNS S31254(Super Austenitic)

Ferritic & Martensitic

A/SA-268 , **Grade :-** TP-405/409/410/SUS 410L/430/446-1-2/UNS S 44660

Duplex Stainless Steel (DSS)

A/SA-789(Tube) , A/SA-790(Pipe) , **Grade :-** UNS S32803/S32205

Super Duplex Stainless Steel (SDSS)

A/SA-789(Tube) , A/SA-790(Pipe) **Grade :-** UNS S32750

European Standard (welded)

EN 10217-7 , **Grade :-** 1.4307/1.4306/1.4301/1.4311/1.4511/1.4550/ 1.4404/1.4435/1.4436/1.4401/
 /1.4429/1.4571/1.4539/1.4547/1.4438/1.463/1.5429/1.4439

European Standard (Seamless)

EN 10216-5 , **Grade :-** 1.4307/1.4306/1.4301/1.4311/1.4511/1.4550/1.4404/1.4435/1.4436/1.4401/
 1.4429/1.4571/1.4539/1.4547/1.4438/1.463/1.5429/1.4439/1.4466/1.4580/1.4429/1.4563/1.4558

Titanium Alloy (Seamless & Welded)

B/SB 338(Tube), **Grade-2**

High Nickel Alloy

B/SB 161(Pipe/Tube), B/SB 163(Tube) **Grade:-** UNS No2200 / 2201

B/SB 165(Tube/Pipe) **MONEL 400** (UNS NO 4400)

B/SB 163(Tube)/167(pipe) /444(Tube/Pipe), **Grade:- INCONEL** UNS NO6600/6625

B/SB 407/423, **Grade :- INCOLOY** UNS NO8800/8810/8825

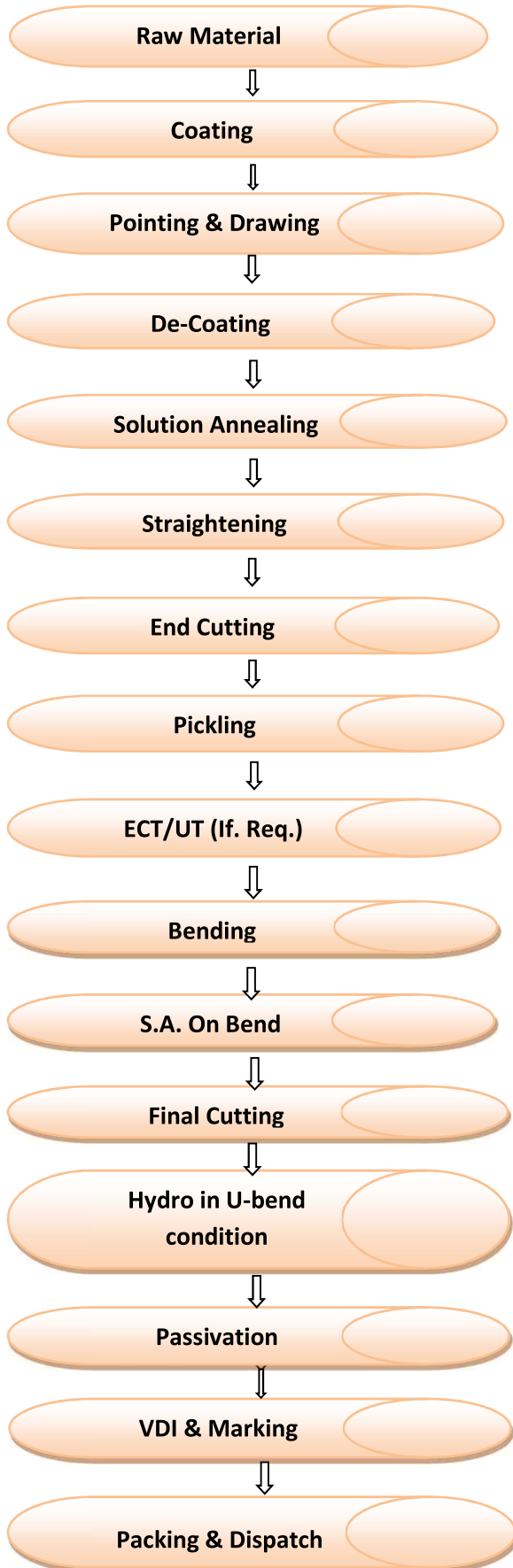
STEEL THICKNESS CONVERSION TABLE

(GUAGE - INCH - MM)

GUAGE NO.	SWG		BWG	
	INCH	MM	INCH	MM
1	0.3	7.62	0.3	7.62
2	0.276	7.01	0.283	7.21
3	0.252	6.4	0.259	6.58
4	0.232	5.89	0.238	6.05
5	0.212	5.38	0.22	5.59
6	0.192	4.88	0.203	5.16
7	0.176	4.47	0.179	4.57
8	0.16	4.06	0.164	4.19
9	0.144	3.66	0.147	3.76
10	0.128	3.25	0.134	3.4
11	0.116	2.95	0.12	3.05
12	0.104	2.64	0.109	2.77
13	0.092	2.34	0.095	2.41
14	0.081	2.03	0.083	2.11
15	0.072	1.83	0.072	1.83
16	0.064	1.63	0.065	1.65
17	0.056	1.42	0.058	1.47

GUAGE NO.	SWG		BWG	
	INCH	MM	INCH	MM
18	0.048	1.22	0.049	1.24
19	0.040	1.02	0.042	1.07
20	0.036	0.92	0.035	0.89
21	0.032	0.81	0.031	0.81
22	0.028	0.71	0.028	0.71
23	0.024	0.61	0.025	0.64
24	0.023	0.56	0.023	0.56
25	0.020	0.46	0.02	0.51
26	0.018	0.41	0.018	0.46
27	0.016	0.38	0.016	0.41
28	0.014	0.35	0.0135	0.356
29	0.013	0.305	0.013	0.33
30	0.012	0.29	0.012	0.305
31	0.011	0.27	0.010	0.254
32	0.0106	0.254	0.009	0.229
33	0.010	0.229	0.008	0.203
34	0.009	0.209	0.007	0.178





U-BENDING MACHINE



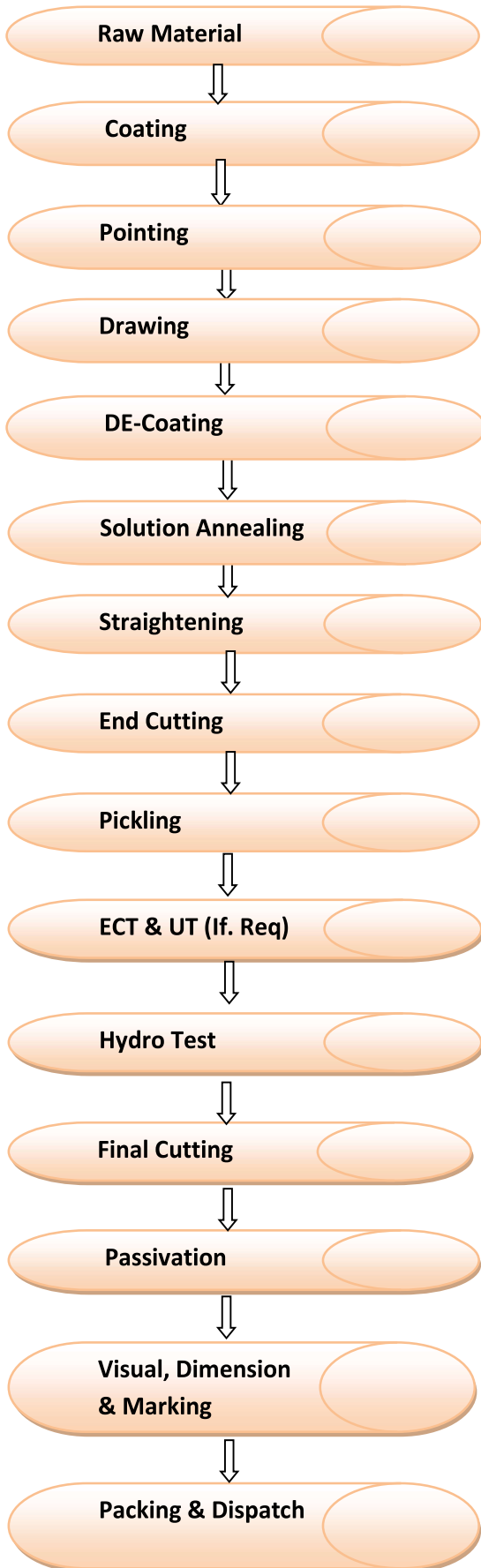
U-BEND S.A



PMI TESTING



U-BEND HYDRO MECHINE



SURFACE TREATMENT



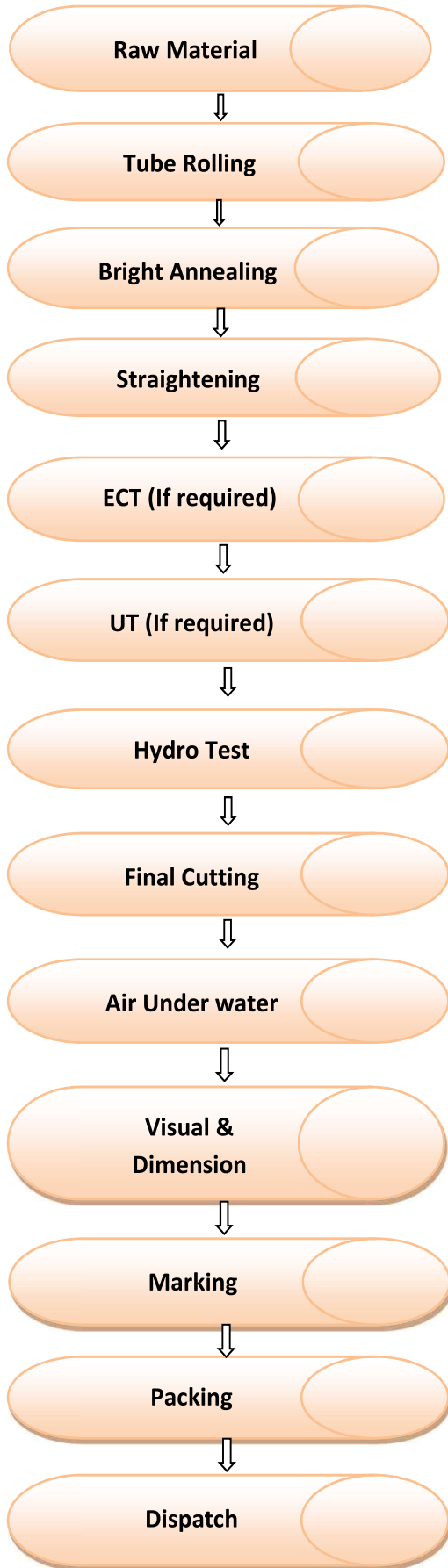
POINTING



DRAWING



SOLUTION ANNEALING



TUBE MILL WITH ONLINE BRIGHT ANNEALING AND EDDY CURRENT



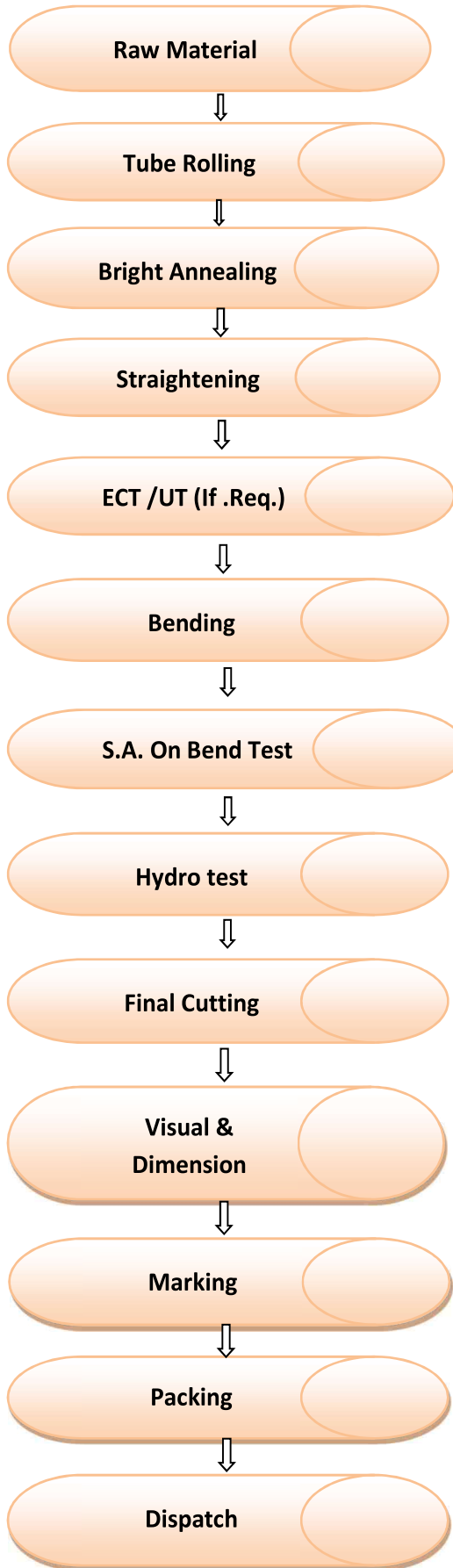
STRAIGHTENING MACHINE



STRAIGHT TUBE HYDRO TEST



AIR UNDER WATER TEST



TUBE MILL WITH ONLINE BRIGHT ANNEALING AND EDDY CURRENT



JIG FOR DIMENSION



CUTTING MACHINE



Rota Ultrasonic Machine (Immersion Technique)



Eddy Current Machine



Spectro Meter



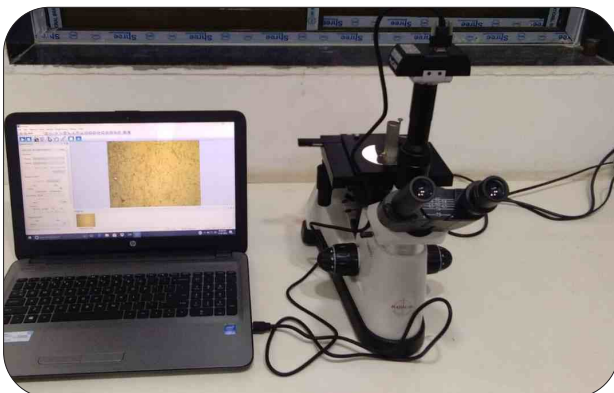
Tensile Machine (40T)



Chemical & IGC Lab



Digital Hardness



Microscope



Ultrasonic Thickness D-meter

SPEC	Grade	Mechanical									Tensile Test			Heat Treatment Temperature
		Flaring	Flattening	Flange	R.Bend	R.Flattening	Micro	Macro	IGC	Hardness HRB	YS Mpa	UTS Mpa	EL %	
SA/A-213,SA/A-249,SA/A-269	TP-304	√	√	X	X	X	√	√	√	90	205	515	35	Solution Annealing At 1040°C Temperature
	TP-304L	√	√	X	X	X	√	√	√	90	170	485	35	
	TP-304LN	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-304H	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-316	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-316L	√	√	X	X	X	√	√	√	90	170	485	35	
	TP-316N	√	√	X	X	X	√	√	√	90	240	550	35	
	TP-316H	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-316Ti	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-317	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-317L	√	√	X	X	X	√	√	√	90	170	485	35	
	TP-317LMN	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-321	√	√	X	X	X	√	√	√	90	205	515	35	
	TP-347	√	√	X	X	X	√	√	√	90	205	515	35	
TP-321H	√	√	X	X	X	√	√	√	90	205	515	35		
TP-347H	√	√	X	X	X	√	√	√	90	205	515	35		
UNS31254	√	√	X	X	X	√	√	√	96	310	675	35	At 1100°C	
														At 1150°C
SA/A-312	TP-304	X	√	X	X	X	√	√	√	90	205	515	35	Solution Annealing At 1040°C Temperature
	TP-304L	X	√	X	X	X	√	√	√	90	170	485	35	
	TP-304LN	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-304H	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-316	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-316L	X	√	X	X	X	√	√	√	90	170	485	35	
	TP-316LN	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-316H	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-316Ti	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-317	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-317L	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-321	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-321H	X	√	X	X	X	√	√	√	90	205	515	35	
	TP-347	X	√	X	X	X	√	√	√	90	205	515	35	
TP-347H	X	√	X	X	X	√	√	√	90	205	515	35		
UNS31254	√	√	X	X	X	√	√	√	90	310	675	35	At 1100°C	
														At 1150°C
SA/A-268	TP-405	√	X	X	X	X	√	√	√	95	205	415	20	Reheated 650°C (min) Temperature
	TP-409	√	X	X	X	X	√	√	√	95	170	380	20	
	TP-410	√	X	X	X	X	√	√	√	95	205	415	20	
	TP-430	√	X	X	X	X	√	√	√	90	240	415	20	
	TP-446-1	√	X	X	X	X	√	√	√	95	275	485	18	
	TP-446-2	√	X	X	X	X	√	√	√	95	275	450	20	
	UNS S 31803	√	X	X	X	X	√	√	√	30	450	620	25	
UNS S 32205	√	X	X	X	X	√	√	√	30	485	655	25	At 1020°C (min)	
SA/A-789 & 790 (Duplex)	UNS S 32750	√	√	X	X	X	√	√	√	32	550	800	15	At 1025°C (min)
EN 10216-5	1.4307	√	√	X	X	X	√	√	√	90	215	460 to 680	40	At 1000°C to 1100°C
	1.4306	√	√	X	X	X	√	√	√	90	215	460 to 680	40	
	1.4301	√	√	X	X	X	√	√	√	90	230	500 to 700	40	
	1.4311	√	√	X	X	X	√	√	√	90	305	550 to 760	35	
	1.4541	√	√	X	X	X	√	√	√	90	235	500 to 730	35	
	1.4550	√	√	X	X	X	√	√	√	90	240	510 to 740	35	
	1.4404	√	√	X	X	X	√	√	√	90	225	490 to 690	40	
	1.4435	√	√	X	X	X	√	√	√	90	225	490 to 690	40	
	1.4436	√	√	X	X	X	√	√	√	90	240	510 to 710	40	
	1.4401	√	√	X	X	X	√	√	√	90	240	510 to 710	40	
	1.4429	√	√	X	X	X	√	√	√	90	330	580 to 800	35	
	1.4571	√	√	X	X	X	√	√	√	90	245	500 to 730	35	
	1.4539	√	√	X	X	X	√	√	√	90	250	520 to 720	35	
	1.4547	√	√	X	X	X	√	√	√	90	340	650 to 850	35	
	1.4335	√	√	X	X	X	√	√	√	90	210	470 to 670	45	
	1.4563	√	√	X	X	X	√	√	√	90	245	500 to 750	40	
	1.4529	√	√	X	X	X	√	√	√	90	310	600 to 800	35	
	1.4439	√	√	X	X	X	√	√	√	90	315	580 to 800	35	
1.4466	√	√	X	X	X	√	√	√	90	295	540 to 740	40		
1.4580	√	√	X	X	X	√	√	√	90	250	510 to 740	35		
1.4558	√	√	X	X	X	√	√	√	90	210	450 to 700	35		
B/SB 338 (TITANIUM S & W)	2	√	√	X	X	X	√	√	X	---	275 to 450	345	20	Annealed
B/SB 161(Pipe/Tube) , B/SB 163(Tube) High Nickle	UNS NO 2200	√	X	X	X	X	√	√	X	---	105	380	35	Annealed
	UNS NO 2201	√	X	X	X	X	√	√	X	---	80	345	35	Annealed
B/SB 163(Tube) , B/SB 165 (Pipe/Tube) MONEL	UNS NO 4400	√	X	X	X	X	√	√	X	---	193	483	35	Annealed
B/SB 163 (tube) , B/SB 167 (Pipe) , B/SB 444 (Pipe/Tube)	UNS NO6600	√	X	X	X	X	√	√	X	---	241	552	30	Annealed
	UNS NO6625	√	X	X	X	X	√	√	X	---	276	690	30	At 1093°C
B/SB 407 & B/SB 423	UNS NO8800	X	X	X	X	X	√	√	X	---	205	520	30	Annealed
	UNS NO8810	X	X	X	X	X	√	√	X	---	170	450	30	At 1120°C
	UNS NO8825	X	X	X	X	X	√	√	X	---	241	586	30	Annealed

ASTM (USA)	UNS (USA)	B.S (U.K)	EN/DIN (GERMANY)	AFNOR NF (FRANCE)	UNI (ITALY)
304	S30400	304S15	1.4301	Z6CN18-09	X5CrNi18-10
304L	S30403	304S11	1.4306 1.4307	Z2CN18-10 Z3CN18-10	X2CrNi18-11
304N	S30451	304S71	1.6907	----	----
304LN	S30453	304S61	1.4311	Z3CN18-10 Az	----
304H	S30409	304S51	1.4948	Z6CN18-09 Az	X8CrNi18-10
316	S31600	316S31 316S33	1.4401 1.4436	Z7CND17-11-02 Z7CND18-12-03	X5CrNiMo17-12 X5CrNiMo17-13
316L	S31603	316S11 316S13	1.4404 1.4435	Z3CND17-11-02 Z3CND18-12-02 Z3CND18-14-03	X5CrNiMo17-12 X5CrNiMo17-13
316N	S31651	----	----	----	----
316LN	S31653	316S61	1.4406	Z3CND17-11 Az	----
316Ti	S31635	320S31	1.4571	Z6CNDT17-12	X6CrNiMoTi17-13
316H	S31609	316S52	1.4401 1.4919	Z6CND17-12 B	X8CrNiMo17-12
321	S32100	321S31	1.4541	Z6CNT18-10	X6CrNiTi18-11
321H	S32109	321S51	1.4878	Z6CNT18-10	X8CrNiTi18-11
317	S31700	317S16	1.4449	----	X5CrNiMo18-15
317L	S31703	317S12	1.4438	Z3CND19-15-04	X2CrNiMo18-15
347	S34700	347S31	1.455	Z6CNNb18-10	X6CrNiNb18-11
347H	S34709	316Sxx	1.4961	----	X8CrNiNb18-11
Duplex 2205	S31803	----	1.4462	Z2CND22-05 Az	----
Duplex 2205	S32205	318S13	1.4462	Z3CND22-05 Az	----
Super Duplex 2205	S32750	----	1.441	----	----
405	S40500	405S17	1.4002	Z6CA13	----
410	S41000	410S21	1.4006	Z12C13	X12Cr13

DN	NPS Designator	Out Side Dimeter		NOMINAL WALL THICKNESS							
		OD		SCH 5S		SCH 10S		SCH 40S		SCH 80S	
		IN	MM	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
15	1/2	0.840	21.34	0.065	1.65	0.083	2.11	0.109	2.77	0.147	3.73
20	3/4	1.050	26.67	0.065	1.65	0.083	2.11	0.113	2.87	0.147	3.91
25	1	1.315	33.40	0.065	1.65	0.109	2.77	0.133	3.38	0.154	4.55
32	1.1/4	1.660	42.16	0.065	1.65	0.109	2.77	0.14	3.56	0.179	4.85
40	1.1/2	1.900	48.26	0.065	1.65	0.109	2.77	0.145	3.68	0.191	5.08
50	2	2.375	60.33	0.065	1.65	0.109	2.77	0.154	3.91	0.200	5.54
65	2.1/2	2.875	73.03	0.083	2.11	0.120	3.05	0.203	5.16	0.218	7.01
80	3	3.500	88.90	0.083	2.11	0.120	3.05	0.216	5.49	0.276	7.62
90	3.1/2	4.000	101.6	0.083	2.11	0.120	3.05	0.226	5.74	0.300	8.08
100	4	4.500	114.30	0.083	2.11	0.120	3.05	0.237	6.02	0.318	8.56
125	5	5.563	141.30	0.109	2.77	0.134	3.40	0.258	6.55	0.337	9.52
150	6	6.625	168.28	0.109	2.77	0.134	3.40	0.280	7.11	0.375	10.97
200	8	8.625	219.08	0.109	2.77	0.148	3.76	0.322	8.18	0.432	12.70
250	10	10.750	273.05	0.134	3.4	0.165	4.19	0.365	9.27	0.500	12.70
300	12	12.750	323.85	0.156	3.96	0.180	4.57	0.375	9.52	0.500	12.70
350	14	14.000	355.60	0.165	3.96	0.188	4.78	--	--	--	--
400	16	16.000	406.40	0.165	4.19	0.188	4.78	--	--	--	--
450	18	18.000	457.20	0.165	4.19	0.188	4.78	--	--	--	--
500	20	20.000	508	0.188	4.78	0.218	5.54	--	--	--	--
550	22	22.000	558.80	0.188	4.78	0.218	5.54	--	--	--	--
600	24	24.000	609.60	0.218	5.54	0.250	6.35	--	--	--	--
750	30	30.000	762	0.250	6.35	0.312	7.92	--	--	--	--



Thermal Power Plant



Heat Exchanger



Nuclear Power Plant



H.P Heater



Railway



L.P.Heater



Refinery



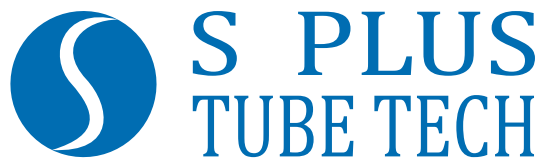
Condenser



Aerospace



Instrumentation



A GROUP OF :



: Plant Address :

Survey No.161/B Opp. Bhagwati glass,
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Email : info@splustubetech.com

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