



**Manufacturer & Exporters of Stainless Steel
Seamless & Welded Pipes, Tubes & 'U' Tubes**



QMS 9001 : 2015



Since our inception, We are holistically following the principle “Pipeline is our Life Line” & we are continuously building core competency in pipe making. Our manufacturing facilities employees state of art technology to produce a wide ranges of stainless steel Seamless, Welded Pipes, Tubes & 'U' Tubes. Constant innovative spirits that wants to improve the quality & efficiency of their production drives Shubhlaxmi

Shubhlaxmi's premises span over a 9,71,346 Sq. Ft area in Umbergaon (Gujarat) about 150kms from Mumbai airport out of which total covered land 6,35,673 Sq. Ft. The company headquarter is based in Mumbai.

Our main rule is the safeguard of a quality production, and to this end we have introduced a fully controlled working process that requires the respecting of very strict parameters. Loyal to this requirement, we have obtained the ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, PED 2014/68/EU, AD 2000 Merkblatt W0 & Govt. Recognised Export House, BIS approved, IBR approved certifications which through a cautious and meticulous business management are able to offer a satisfactory service even to the most demanding customer.

In short span of time we have become a leading manufacturer in domestic market. We specializes in customizing the product & design as per the client requirement. Our strict adherence to quality norms, a details checking of the product quality, constant tabs on the latest updates in stainless steel technology are some of the features of the company that sets up class apart.

EMS 14001 : 2015



Our Vision

We will walk to horizon. And shall continue consolidating our position as the pathfinder of cutting edge technologies and solution, till we become global leader in every chosen field. We shall continue to be first in identifying & addressing customer's needs and keep exceeding expectation of our customers.

Our Mission

To be proactive Organization in Manufacturing and Supplying Quality product not only to meet but to exceed our customer requirement and thereby ensuring customers satisfaction. We have futuristic approach in our endeavour, with a name to achieve excellence in every sphere of activity.

We follow Quality, Rest Follow Us.

“Quality First” is not an overrated terms, but Mantra that has brought success to us. Even during rough terrians in company's history it worked as compass to future. We dedicate to our Quality system which we implement & sustain.

EMS 45001 : 2018



AD 2000 MERKBLATT W0



PED 2014 / 68 / EU



Govt. Recognised Export House



Seamless Pipes & Tubes

Seamless Pipes Tubes & 'U' Tubes are manufactured from Round Bar / Mother hollow pipes with the processing on cold pilgering machine, cold drawn benches, Heat Treatment furnace, 'U' bending facilities, Tube finishing lines including pickling, tube straighteners, end facing, cut-to-length facilities and Various destructive and non-destructive tests to produce high quality product Confirming to International Standard.

Product Range

PRODUCT	SIZE	THICKNESS	SPECIFICATION
PIPES	1/8" NB To 12" NB	SCH.5, 10, 40/S, 80/S, 120/S, 160, XXS	ASTM A-312, ASTM A-790, EN 10216-5 & Its Equivalent ASME, DIN & EN Standard
TUBES	6.35 mm To 210 mm	0.6 mm To 12.0 mm	ASTM A-213, A-268, A-269, A-270, A-789, EN 10216-5 Equivalent ASME, DIN & EN Standard.

AUSTENITIC GRADES : 304/L/H/LN, 316/L/H/LN/Ti, 317L, 321/H, 347/H, 309, 310/S, 904L

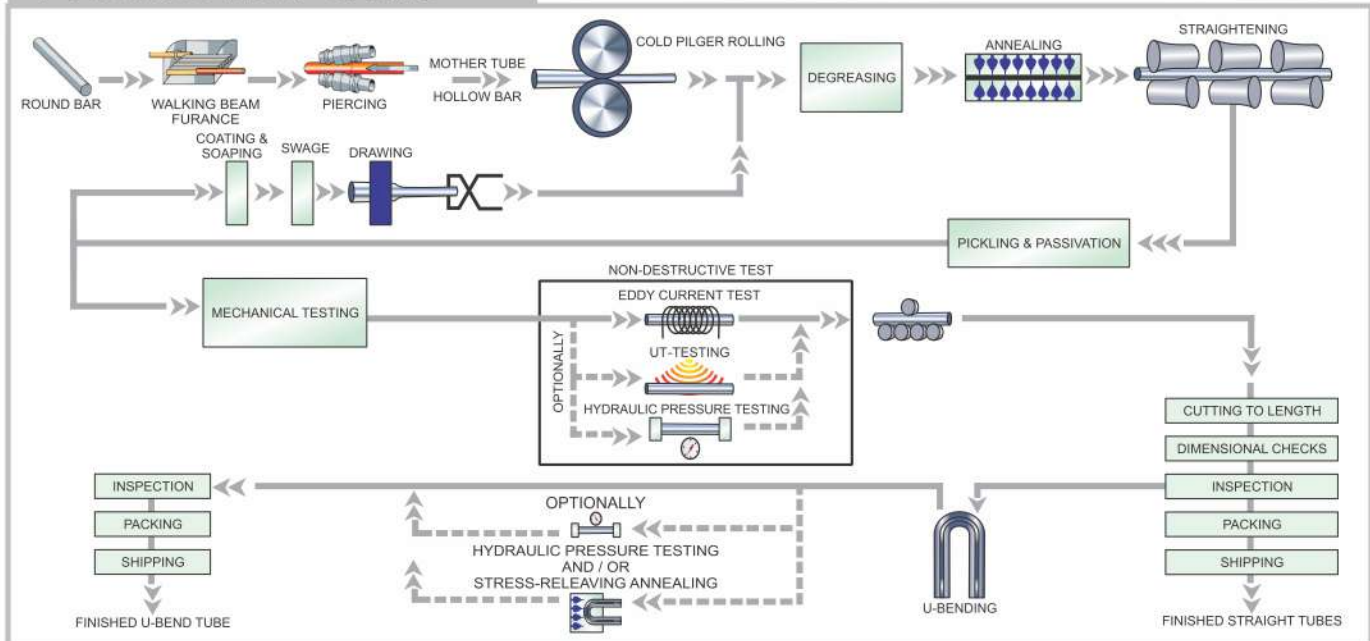
FERRITIC & MARTENSITIC GRADES : 405, 410, 430/Ti,

DUPLEX STAINLESS STEEL : UNS 31803, 32205, 32750, 32760, 31500

LENGTH : As per Customer requirement, Maximum upto 22 Meter Long.

FINISHING : Tubes can be supplied in mechanical polished with various grits like at 80, 120, 240, 320, 400, 600 grit and mirror polished.

Process flow chart



Welded Pipes & Tubes

Shubhlaxmi's Stainless steel welded Pipes & Tubes division consist of Tube Mills, Bead Removing machines, Cold Drawing Benches, 'U' Bending Machine, Roller hearth Heat Treatment Furnace for solution annealing Tube finishing lines including pickling, tube straightening, end facing, cut-to-length facilities, and Various destructive and non-destructive tests to produce high quality product Confirming to International Standard.

These facilities are capable of manufacturing per annum 5000 Tonnes of Stainless Steel Welded Pipes & Tubes of various Austenitic Ferritic & Duplex Steel.

Product Range

PRODUCT	SIZE	THICKNESS	SPECIFICATION
PIPES	1/8" NB To 1" NB 1" NB To 24" NB	Sch.5, 10, 40S, 80S Sch.5, 10, 40S, 80S	ASTM A-312, ASTM A358, A-554, A-778, A-790, En 10217-7 & Its Equivalent ASME, DIN & EN Standard
TUBES	6.35 mm To 210 mm OD	0.6 mm TO 12.0 mm	ASTM A-249, A-268, A-269, A-270, A-554, A-688, A-778, A-789, IS 13316:92, EN 10217-7 & Its Equivalent ASME, DIN & EN Standard.

AUSTENITIC GRADES : 304/L/H/LN, 316/L/H/LN/Ti, 317L, 321/H, 347/H, 309, 310/S, 904L

FERRITIC & MARTENSITIC GRADES : 409/L/M, 410, 430/Ti, 436, 439, 441

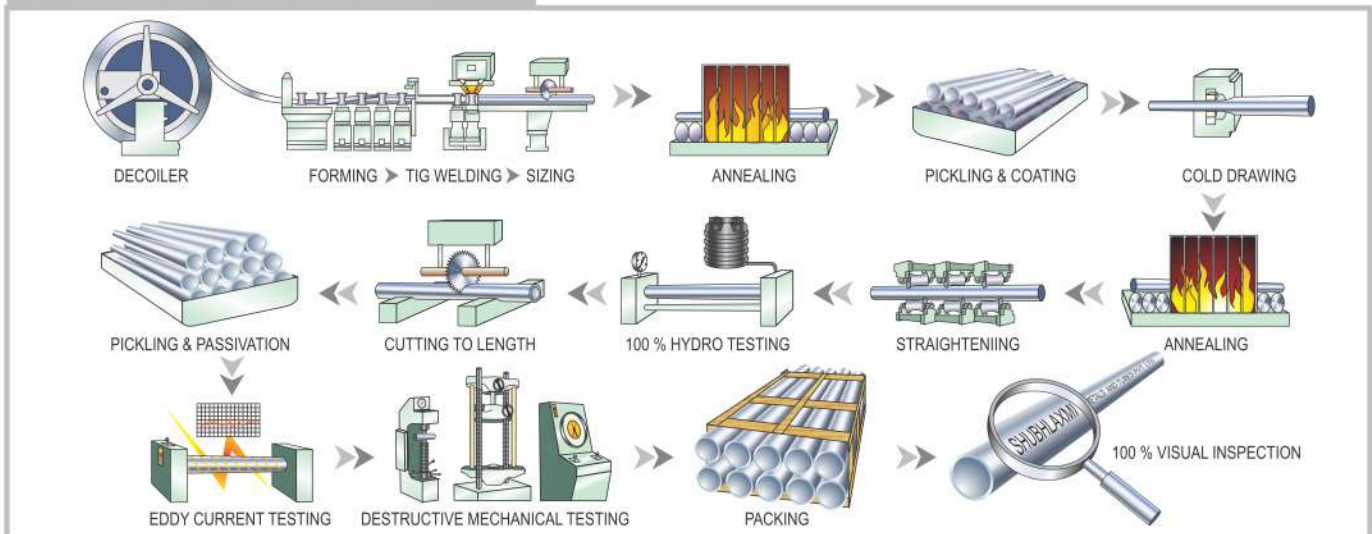
DUPLEX STAINLESS STEEL : UNS 31803, 32205, 32750, 32760, 31500, 32101

LENGTH : As per Customer requirement, Maximum upto 22 Meter Long.

FINISHING : Tubes can be supplied in mechanical polished with various grits like at 80, 120, 240, 320, 400, 600 grit and mirror polished.



Process flow chart



'U' Tubes

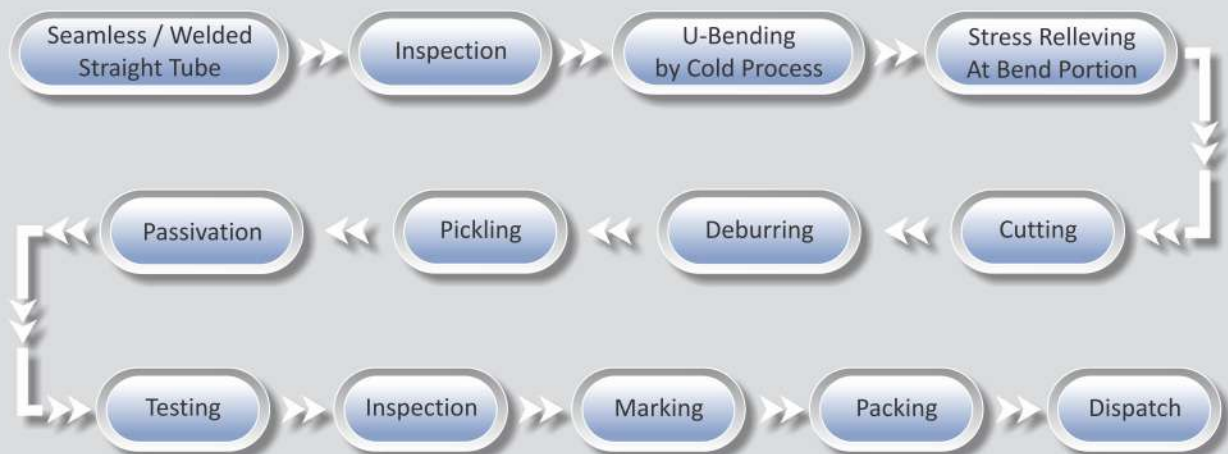
In addition to the production of Straight Stainless Steel Tubes, Shubhlaxmi Manufactures 'U' Tubes for use in Heat Exchanger, Condensors, Pre-Heaters & Various other equipments.

The manufacturing of 'U' Tubes takes place in a separate Shop, adjacent to the tube mill, on SHUBHLAXMI premises by utilizing bending equipment that is used exclusively for stainless tube bending as per drawing & specification given by customer. In the process bending portion & six inch leg is stress relieved by resistance heating & to avoid oxidation in ID argon gas is passed in side through the required flow rate.

All the procedure is strictly followed as per TEMA 'RCB' 2.3 & ASTM A-688.



Manufacturing Process Flowchart for U-Tubes



Stainless Steel Section Tubes

Product Range

PRODUCT	SIZE	THICKNESS	SPECIFICATION
SQUARE TUBES	10 mm X 10 mm To 120 mm X 120 mm	1.00 mm TO 6.0 mm	ASTM A-554 & Its Equivalent ASME, DIN & EN Standard
RECTANGULAR TUBES	10 mm X 20 mm To 60 mm X 120 mm	1.00 mm TO 6.0 mm	ASTM A-554 & Its Equivalent ASME, DIN & EN Standard

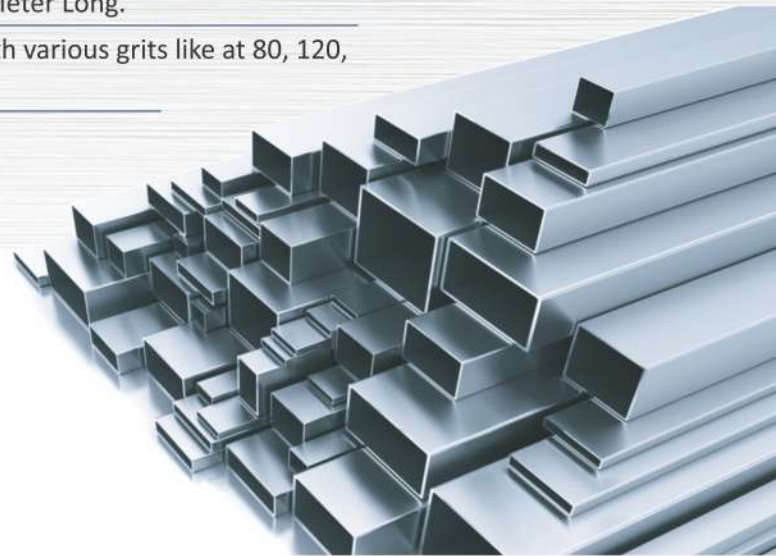
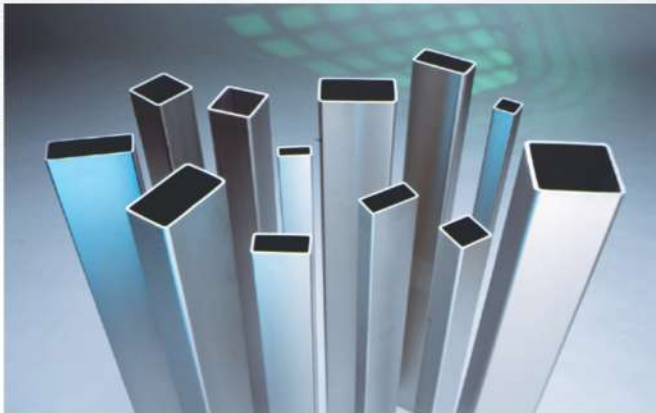
AUSTENITIC GRADES : 304/L/H/LN, 316/L/H/LN/Ti, 317L, 321/H, 347/H, 309, 310/S, 904L

FERRITIC & MARTENSITIC GRADES : 409/L, 410, 430/Ti, 436, 439, 409M

DUPLEX STAINLESS STEEL : UNS 31803, 32205, 32750, 31500, Lean Duplex 32101

LENGTH : As per Customer requirement, Maximum upto 12 Meter Long.

FINISHING : Tubes can be supplied in mechanical polished with various grits like at 80, 120, 240, 320, 400, 600 grit and mirror polished.



Stainless Steel Corrugated Tubes

Stainless steel Corrugated can be manufactured and supplied in seamless and welded tubes.

Corrugated tubes increase the turbulence in the flow that enables a more effective mixing and agitation that generates a higher heat transfer coefficient compared to smooth tubes at the same conditions



Application



Heat Exchanger & Condenser

LP / HP Heaters

Oil & Gas Industry

Power Plants

Fertilizer Plants

Refinery & Petrochemicals

Chemical & Pharmaceutical

Railways

Furniture

Dairy & Food Industries

Sanitary & Plumbing

Instrumentation

Textile Industry

Ship Building

Paper & Pulp

General Engineering



Shubhlaxmi is regularly certified by TUV according to the standard QMS 9001 on the overall management of the working process.

We have various product certificate which allow us to offer high quality for the most specific needs, like being qualified suppliers of PED 2014/68/E4 MERKBLATT W0 by "TUV Nord"

Our real strength lies in quality control, We have an exhaustive quality assurance facility to test each & every product that leaves the factory the company has the latest manufacturing & testing equipment of world class Standard & Equally qualified and experienced personnel to manage the inspection at various level.

Chemical Testing :

As per the code / standard requirement chemical analysis is carried out, on Spectrometer of Spectro max (Germany) in our own laboratory.

Mechanical Testing :

Tensile testing, Hardness, Flaring, Flanging, Flattening, Reverse bend , reverse flattening test according to the code / standard are regularly carried out.

Hydro Test :

100% hydro testing on a hydraulic test bench is carried out using a high-pressure pump on all pipes & tubes, as per the code / standard.

Air Under Water Test/Pneumatic Test :

Even though this is a supplementary requirement, the company has made a point to test all the tubes coming out of a factory to be tested under compressed air to determine any leakage ensuring ultimately that there is no incomplete weld penetrations.

Eddy-Current Testing :

It is conducted to detect any sub surface defect etc. This test is carried out by using Techno four flaw marking detective system on the entire length of the tubes as per the code / standard with hole or notch standard, with Automatic Segregation System.

Micro Structure Examination / Analyser Software :

Shubhlaxmi has the facility to measure ferrite content, Microscope helps to check the grain structure of Pipes & Tubes after annealing process. The above microscope is attached with analyzer software, which automatically indicates grain structure without manual intervention. Microstructure examination is carried out as per the code / standard.

Hardness Tester :

Hardness tester is used to check the surface hardness of material with the help of Rockwell Brinell scale on 30T scale. Above test is carried out as per the code / standard.

Corrosion Testing :

To find out the susceptibility of the material to intergranular corrosion attack or to measure rate of corrosion, IGC test as the code / standard practice "A", "B", "C" or "E" in our fully equipped in house laboratory.

Chemical Laboratory :

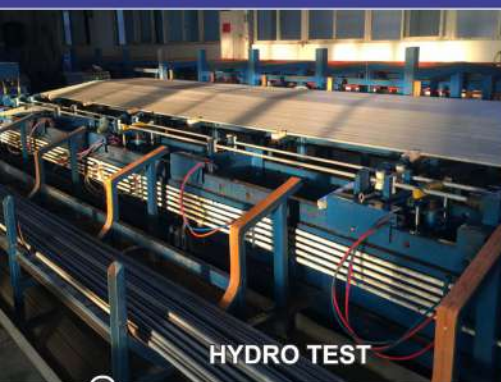
Shubhlaxmi has in-house fully equipped laboratory to check, chloride content in water, Daily pickling, passivation, coating & soaping bath analysis.

Radiography Testing :

The company can provide radiography testing facilities with an X- Ray unit.

Ultrasonic Testing :

Shubhlaxmi has an off-line ultrasonic Testing facility having four-probe water emulsion system with a microprocessor unit to detect special process flow. In addition to above, the system can mark the defect by spraying.



HYDRO TEST



MECHANICAL TESTING



AIR UNDER WATER TEST



EDDY - CURRENT TESTING



Size Range



Stainless Steel Pipe: Dimension and Weights

Nominal Pipe size		Outside Diameter		Sch - 5 Wt - Thick		Sch - 10S Wt - Thick		Sch - 10 Wt - Thick		Sch - 20 Wt - Thick		Sch - 40S Wt - Thick		Sch - 80 Wt - Thick		Sch - 160 Wt - Thick	
(mm)	(inch)	(inch)	(mm)	(mtr.)	(mm)	(mtr.)	(mm)	(mtr.)	(mm)	(mtr.)	(mtr.)	(mtr.)	(mm)	(mtr.)	(mm)	(mtr.)	(mm)
6	1/8"	0.405	10.29	0.22	0.89	0.28	1.24			-	-	0.36	1.73	0.47	2.41	-	-
8	1/4"	0.540	13.72	0.39	1.25	0.49	1.65			-	-	0.63	2.24	0.80	3.02	-	-
10	3/8"	0.675	17.15	0.50	1.25	0.63	1.65			-	-	0.84	2.31	1.10	3.20	-	-
15	0.5"	0.840	21.34	0.80	1.65	1.00	2.11			-	-	1.27	2.77	1.62	3.73	1.95	4.78
20	3/4"	1.050	26.67	1.02	1.65	1.28	2.11			-	-	1.68	2.87	2.19	3.91	2.89	5.56
25	1"	1.315	33.40	1.29	1.65	2.09	2.77			-	-	2.50	3.38	3.23	4.55	4.23	6.35
32	1-1/4"	1.660	42.16	1.65	1.65	2.69	2.77			-	-	3.38	3.56	4.46	4.85	5.60	6.35
40	1-1/2"	1.900	48.26	1.90	1.65	3.10	2.77			-	-	4.05	3.68	5.40	5.08	7.23	7.14
50	2"	2.375	60.33	2.39	1.65	3.93	2.77			-	-	5.44	3.91	7.48	5.54	11.11	8.74
65	2-1/2"	2.875	73.03	3.68	2.11	5.26	3.05			-	-	8.62	5.16	11.40	7.01	14.80	9.53
80	3"	3.500	88.90	4.51	2.11	6.45	3.05			-	-	11.27	5.49	15.25	7.62	21.31	11.13
90	3-1/2"	4.000	101.60	5.17	2.11	7.40	3.05			-	-	13.56	5.74	18.60	8.08	--	--
100	4"	4.500	114.30	5.83	2.11	8.35	3.05			-	-	16.06	6.02	22.29	8.56	33.50	13.49
125	5"	5.563	141.30	9.45	2.77	11.56	3.40			-	-	21.76	6.55	30.93	9.53	49.05	15.88
150	6"	6.625	168.28	11.29	2.77	14.04	3.40			-	-	28.23	7.11	42.52	10.97	67.49	18.26
200	8"	8.625	219.08	14.99	2.77	20.26	3.76			33.81	6.35	42.49	8.18	64.60	12.70	111.16	23.01
250	10"	10.750	273.05	22.97	3.40	28.20	4.19			42.38	6.35	61.20	9.27	96.10	15.09	175.10	28.58
300	12"	12.750	323.05	33.53	3.96	36.53	4.57			50.45	6.35	74.92	9.53	132.10	17.48	238.52	33.32
350	14"	14.000	355.63	--	--	41.41	4.78	54.77	6.35	68.01	7.92	81.46	9.53	157.95	19.05	281.43	35.71
400	16"	16.000	406.40	--	--	47.41	4.78	62.74	6.35	77.95	7.92	93.41	9.53	203.53	21.44	364.99	40.49
450	18"	18.000	457.20	--	--	53.41	4.78	70.71	6.35	87.88	7.92	105.37	9.53	254.37	23.80	459.13	45.24
500	20"	20.000	508.00	--	--	68.75	5.54	78.68	6.35	117.33	9.53	117.33	9.53	310.85	26.19	564.30	50.01
550	22"	22.000	558.80	--	--	--	--	86.64	6.35	129.29	9.53	129.29	9.53	--	--	--	--
600	24"	24.000	609.60	--	--	94.37	6.35	94.61	6.35	141.25	9.53	141.25	9.53	441.39	30.96	806.93	59.5

IDENTICAL TO SCH 10S



Rectangular tube dimensions Theoretical weight in kg/mtr

Dimensions		1.0 mm	1.2 mm	1.5 mm	2.0 mm	2.5 mm	3.0 mm	3.5 mm	4.0 mm
mm	mm	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter
20	10	0.453	0.539	0.661	-	-	-	-	-
25	15	0.610	0.724	0.890	-	-	-	-	-
30	10	0.610	0.724	0.890	-	-	-	-	-
30	20	0.771	0.917	1.129	1.475	-	-	-	-
40	20	0.931	1.108	1.371	1.795	-	-	-	-
50	20	1.081	1.302	1.612	2.115	-	-	-	-
50	25	1.170	1.398	1.734	2.275	-	-	-	-
50	30	-	1.494	1.852	2.434	3.003	3.502	-	-
60	30	-	1.687	2.090	2.756	3.405	4.040	-	-
60	40	-	1.878	2.332	3.078	3.806	4.533	-	-
80	40	-	-	2.815	3.724	4.612	5.494	6.359	7.267



Square tube dimensions Theoretical weight in kg/mtr

Dimensions		1.0 mm	1.2 mm	1.5 mm	2.0 mm	2.5 mm	3.0 mm	3.5 mm	4.0 mm	4.0 mm
mm	mm	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter	Kg / meter
10	10	0.294	-	-	-	-	-	-	-	-
15	15	0.453	0.538	0.661	-	-	-	-	-	-
20	20	0.610	0.724	0.890	1.159	-	-	-	-	-
25	25	0.772	0.917	1.129	1.475	-	-	-	-	-
30	30	0.932	1.108	1.371	1.795	2.203	2.643	-	-	-
35	35	1.081	1.302	1.612	2.115	2.604	3.124	-	-	-
40	40	1.251	1.495	1.852	2.434	3.003	3.562	-	-	-
50	50	-	1.882	2.332	3.078	3.806	4.533	5.248	5.997	-
60	60	-	-	2.815	3.724	4.612	5.494	6.359	7.267	-
80	80	-	-	3.798	5.040	6.268	7.484	-	-	-
100	100	-	-	-	6.400	7.969	9.525	11.069	12.600	15.624
120	120	-	-	-	7.660	9.554	11.415	13.274	15.120	18.774

Condensed ASTM Specification for Stainless Steel Tubes & Pipes								
Specification	Allowable Outside Diameter Variations in mm			Allowable Wall Thickness Variations		Exact Length Tolerances in mm		Testing
	Nominal Diameter	Over	Under	Over %	Under %	Over	Under	
ASTM A-213 Seamless Boiler, Superheater and Heat Exchanger Tubes	Under 25.4	0.10	0.10	+20	-0	3.17	0	Tension Test
	25.4-38.1 Incl.	0.15	0.15	+20	-0	3.17	0	Flattening Test
	38.1-50.8 excl.	0.20	0.20	+22	-0	3.17	0	Flare Test
	50.8-63.5 excl.	0.25	0.25	+22	-0	3.76	0	Hardness Test
	63.5-76.2 excl. 76.2-101.6 incl.	0.30 0.38	0.30 0.38	+22 +22	-0 -0	4.76 4.76	0 0	100% Hydrostatic Test Refer to ASTM A-1016
ASTM A-249 Welded Boiler Superheater, Heat Exchanger and Condenser Tubes	Diameter Under 25.4	Over 0.10	Under 0.10	Over% +10	Under% -10	Over% 3.17	Under 0	Tension Test Flattening Test
	25.4-38.1 Incl.	0.15	0.15	+10	-10	3.17	0	Flare Test/Flange Test
	38.1-50.8 excel.	0.20	0.20	+10	-10	3.17	0	*Reverse Bend Test
	50.8-63.5 excl.	0.25	0.25	+10	-10	4.76	0	Hardness Test
	63.5-76.2 excel. 76.2-101.6 incl.	0.30 0.36	0.30 0.36	+10 +10	-10 -10	4.76 4.76	0 0	100% Hydrostatic Test * Reverse Flattening Test Refer to ASTM A-1016 *Wherever Applicable
ASTM A-269 Seamless & Welded Tubing for General Service	Upto 12.7	0.13	0.13	+15	-15	3.2	0	Flare Test
	12.7- 38.1 excl.	0.13	0.13	+10	-10	3.2	0	Flange Test (Welded Only)
	38.1-88.9 excl.	0.25	0.25	+10	-10	4.8	0	Hardness Test
	88.9-139.7 excl. 139.7-203.2 excl.	0.38 0.76	0.38 0.76	+10 +10	-10 -10	4.8 4.8	0 0	Flattening Test, Reverse Flattening 100% Hydrostatic Refer to ASTM A-1016
ASTM A-312 Seamless & Welded Pipe	13.70-48.3 incl.	0.40	0.79	Minimum Wall 12.5%		6.4	0	Tension Test
	48.3-114.3 incl.	0.79	0.79	under nominal wall		6.4	0	Flattening Test
	114.3-220 incl.	1.60	0.79	Specified & maximum 20 %		6.4 (Normally Random Lengths ordered)	0	100% Hydrostatic Test Refer to ASTM A-999
ASTM -358 Welded Pipe for High Temperature Service.	For all size 5" NB & Above	+0.5%	-0.5%	-	-0.3 mm	Customers Specification		Transvers Tension test Transverse guided bend test. Hydrostatic test, radiographic penetrmt (optional.)
ASTM A-554 Mechanical Steel Tubing	Upto 5" 127 mm	0.1 to 0.5	0.1 to 0.5	+10	-10%	1.6 to 4.88	0	As per Customer Requirement
ASTM A-688 For Welded Feed Water heater 'U' Tubes	Under 25.4	0.1016	0.1016	+20	-0 (For min. Wall thk.)	3 to13	0	Tension, Hardness, Corrosion, Reversebend, Flange, Flattening, Hydrostatic Test, Pneumatic Test, Non Destructive Test
				+10	-10 (For Avg. Wall thk.)			

Eddy current non destructive test & intergranular corrosion test can be offered on request.

Permissible Deviations of Outside Diameter and wall thickness					
Scope		Outside diameter		Wall thickness	
Tube Manufacturing Process	Outside diameter d_o mm	ISO tolerance class	Permissible deviation	ISO tolerance class	Permissible deviation
cold-fabricated	$d_o \leq 219.1$	D 2	$\pm 1.0 \% \text{ min. } \pm 0.5 \text{ mm}$	T 3	$\pm 10 \% \text{ min. } \pm 0.2 \text{ mm}$
			In special cases :		In special cases :
		D 3 D 4	$\pm 0.75 \% \text{ min. } \pm 0.3 \text{ mm}$ $\pm 0.5 \% \text{ min. } \pm 0.1 \text{ mm}$	T 4	$\pm 7.5 \% \text{ min. } \pm 0.15 \text{ mm}$
hot-fabricated	$44.5 \leq d_o \leq 219.1$	D 1	$\pm 1.5 \% \text{ min. } \pm 0.75 \text{ mm}$	T 1	$\pm 15 \% \text{ min. } \pm 0.6 \text{ mm}$
		D 2	$\pm 1.0 \% \text{ min. } \pm 0.5 \text{ mm}$	T 2	$\pm 12.5 \% \text{ min. } \pm 0.4 \text{ mm}$
	$219.1 \leq d_o \leq 610$		$\pm 1.5 \% \text{ min. } \pm 0.75 \text{ mm}^5$)		+ 22.5 % - 15 % 2)
				T 1 T 2	$\pm 15 \% \text{ min. } \pm 0.6 \text{ mm}^3$) $\pm 12.5 \% \text{ min. } \pm 0.15 \text{ mm}^4$)

1) Applies to tubes with wall thickness $\leq 0.05d_o$, 2) Applies to tube with thickness s: $0.05d_o < s \leq 0.09d_o$, 3) Applies to tubes with thickness $> 0.09d_o$,
4) The tubes can be ordered with sized ends. In this case a permissible deviation of the outside diameter of $\pm 0.6\%$ applies to the tube ends over a length of approx. 100 mm.

Chemical Compositions (%)

CHEMICAL COMPOSITIONS (%)

Type	C	Mn	P	S	Si	Cr	Ni	Others
201	0.15	5.50 - 7.5	0.060	0.030	1.00	16.0 - 18.0	3.5 - 5.5	N 0.25
202	0.15	7.5 - 10.0	0.060	0.030	1.00	17.0 - 19.0	4.0 - 6.0	N 0.25
301	0.15	2.00	0.045	0.030	1.00	16.0 - 18.0	6.0 - 8.0	N 0.25
302	0.15	2.00	0.045	0.030	0.75	17.0 - 19.0	8.0 - 10.0	N-0.10
304	0.08	2.00	0.045	0.030	0.75	18.0 - 20.0	8.0 - 10.5	N 0.25
304L	0.03	2.00	0.045	0.030	0.75	18.0 - 20.0	8.0 - 12.0	N 0.25
305	0.12	2.00	0.045	0.030	0.75			
309S	0.08	2.00	0.045	0.030	0.75	22.0 - 24.0	12.0 - 15.0	
310S	0.08	2.00	0.045	0.030	1.50	24.0 - 26.0	19.0 - 22.0	
316	0.08	2.00	0.045	0.030	0.75	16.0 - 18.0	10.0 - 14.0	Mo 2.0-3.0, N 0.10
316L	0.03	2.00	0.045	0.030	0.75	16.0 - 18.0	10.0 - 14.0	Mo 2.0-3.0,-0.10
316Ti	0.08	2.00	0.045	0.030	0.75	16.0 - 18.0	10.0 - 14.0	N 0.10 Ti 5 (C+N) Min, 0.70 Max
317	0.08	2.00	0.045	0.030	0.75	18.00 - 20.00	11.0 - 15.0	Mo 3.0-4.0, N 0.10
317L	0.03	2.00	0.045	0.030	0.75	18.00 - 20.00	11.0 - 15.0	Mo 3.0-4.0, N 0.10
321	0.08	2.00	0.045	0.030	0.75	17.00 - 19.00	9.0 - 12.0	Ti 5 (C+N) (Min, 0.70 Max
347	0.08	2.00	0.045	0.030	0.75	17.00 - 19.00	9.0 - 13.0	Cb 10 x C Min, 1.0 Max
904L	0.02	2.00	0.045	0.030	1.00	19.00 - 23.00	23.0 - 28.0	Mo 4.0-5.0, Cu 1.0-2.0
405	0.08	1.00	0.040	0.030	1.00	11.45 - 14.50	0.50 max	
409L	0.03	1.00	0.030	0.040	1.00	10.50 - 11.75	0.50	Ti 6 (c) Min - 0.75 Max, Cb 0.17 Max
410	0.15	1.00	0.040	0.030	1.00	11.50 - 13.50	0.75	
410S	0.08	1.00	0.030	0.040	1.00	11.50 - 13.50	0.60	
420	0.15 (Min)	1.00	0.045	0.030	1.00	10.50 - 15.50	1.0 - 2.5	Mo 0.20-1.20
430	0.12	1.00	0.030	0.040	1.00	16.00 - 18.00	0.75	

STAINLESS STEEL - COMPARISON OF GRADE SPECIFICATIONS

Grade	UNS	Old British			Name	Swedish SS	JIS
		BS	En	W. No			
201	S20100	301SS21	-	1.4310	X10CrNi18-8	2331	SUS 201
202							SUS 202
301	S30100	301S21	-	1.4310	X10CrNi18-8	2331	SUS 301
302	S30200	302S25	58A	1.4319	-	-	SUS 302
304	S30400	304S31	58E	1.4301	X5CrNi18-10	2332	SUS 304
304L	S30403	304S11	-	1.4306	X2CrNi18-11	2352	SUS 304L
305	S30500	305S19	-	1.4312	-	-	SUS 305
309S	S30908	309S24	-	1.4833	X12CrNi23-13	-	SUS 309S
310S	S31008	310S16	-	1.4845	X8CrNi25-21	2361	SUS 310S
316	S31600	316S31	58H,58J	1.4401	X5CrMo17-12-2	2347	SUS 316
316L	S31603	316S11	-	1.4404	X2CrNiMo17-12-2	2348	SUS 316L
316Ti	S31635	320S31	-	1.4571	X10CrNiMoTi18-10	2350	SUS 316Ti
317		316S16					
317L	S31703	317S12	-	1.4438	X2CrNiMo18-16	2367	SUS 317L
321	S32100	321S31	58B,58C	1.4541	X6CrNiTi18-10	2337	SUS 321
347	S34700	347S31	58G	1.4550	X6CrNiNb18-10	2338	SUS 347
904L	N08904	904S13	-	1.4539	X1NiCrMoCuN25-20-5	2562	
405	S40500			1.4402	X04Cr12		SUS 405
409L				1.4512	X2CrTi12		
410	S41000	410S21	56A	1.4006	X12Cr13	2302	SUS 410
410S				1.4000	X6Cr13		
420	S42000	420S37	56C	1.4021	X20Cr13	2303	SUS 420J1
430	S43000	430S17	60	1.4016	X8Cr17	2320	SUS 430

Clientele / Approvals



PURCHASE ORDER
 Company GSTIN No: 27AAAC12042K
 Order No: 7500990332 Date: 02-Nov-2021
 Project: BN4240
 IDCL Para-3/Para 8/00 NMTA (0) EPC
 Supplier: SHUBHLAXMI METALS AND TUBES PVT LTD
 Plot No. 9, 10, 11, New G I O C 52
 296171 Umbargaoon (Gujarat) India

Abu Dhabi National Oil Company (ADNOC) Suppliers Full Information Report

FACSIMILE TRANSMISSION
 URGENT
 Date: August 26, 2014
 Ref: GPP/L/091
 To: Mr. Pankaj Shah - Managing Director, Shubhlaxmi Metals & Tubes Pvt. Ltd., Plot No. 9, 10, 11, New G I O C 52, Umbargaoon, Gujarat, India.
 From: SABIC Approval Vendor

SUPPLIER'S FULL INFORMATION REPORT
 FALCOR ENGINEERING & CONTRACTING SERVICES -LLC TYPE: V

PRINCIPAL NAME	PG NO	PG STATUS	PG ABN	AGENCY TYPE	AGENCY DATE	PRODUCT GROUP	PRODUCT NAME	STATUS
SHUBHLAXMI METALS & TUBES PVT LTD	N	N	N	N	2-7-2021	PG-141046	PIPE BUNDLES FOR HEAT EXCHANGERS & COOLERS	N
	N	N	N	N		PG-161493	PIPES FOR HEAT EXCHANGERS & COOLERS	N
	N	N	N	N		PG-181448	TUBE, ALL METALS FOR GENERAL USE	N

FACSIMILE MESSAGE
 To: M/s Falcor Engineering & Contracting Services - LLC, Abu Dhabi
 From: Procurement Support Department Manager, Abu Dhabi Oil Refining Company (ADNOC)
 Subject: REGISTRATION & PRE-QUALIFICATION STATUS
 This is in reference to the Pre-qualification status of your Principal M/s SHUBHLAXMI METALS AND TUBES PRIVATE LIMITED - INDIA, as a Manufacturer. Please be informed that based on the evaluation, your principal has been included in TAKEREE records as a possible source for supply of the following products:
 - Pipes: Stainless Steel - Welded
 - Pipes: Stainless Steel - Seamless
 Please note that at the time of release of enquiry, a further short listing shall also be conducted based on that time and the specific material/equipment to be supplied to the end user. You are advised to quote your Principal's Registration No. 800060282 in all future correspondence.

ZADCO
 Registration/Updating
 Application ID: 3360 Reason for Application: Request for Update
 ZADCO Category Code: 3360 Supplier Full Name: FALCOR ENGINEERING & CONTRACTING SERVICES

Abu Dhabi Company for Onshore Petroleum Operations Ltd (ADCO) Company Profile

Prequalification
 From: falcor@adnoc.ae
 To: falcor@adnoc.ae
 Subject: Approval of your Application/Questionnaire ID 20228 for Update as VENDOR

Facsimile Message
 Ref: AD 128/200
 Date: 7 August 2014
 FALCOR ENGINEERING & CONTRACTING SERVICES
 Attention: MR. ANUS MISHRAK - SALES EXECUTIVE
 SUBJECT: REGISTRATION AND PREQUALIFICATION for New Manufacturer.
 With reference to your submission of M/s SHUBHLAXMI METALS & TUBES PVT. Private Limited Registration No. 104899 to ADGAS, your profile was updated and have been included in the qualification/endorsement. Your profile was updated and have been included in the ADGAS data base system as a possible source for Product (X) as shown below:

Product Group ID	Description	Agency Type
141046	PIPE BUNDLES FOR HEAT EXCHANGERS - ALL METALS	X
161493	PIPES FOR HEAT EXCHANGERS-COOLERS AND BOILERS	X
181448	TUBE - ALL METALS FOR GENERAL USE	X

Fax
 To: General Manager, M/s FALCOR ENGINEERING & CONTRACTING SERVICES LLC
 From: Procurement Strategy Department Manager
 Date: 27 March 2014
 Subject: Registration & Pre-Qualification as Manufacturer
 Please be informed that based on the Pre-qualification document submitted from TAKEREE your principal M/s SHUBHLAXMI METALS & TUBES PVT LTD is pre-qualified for the following products:
 - PIPES STAINLESS STEEL - WELDED
 - PIPES STAINLESS STEEL - SEAMLESS
 Please note that at the time of release of enquiry, a short listing taking place based on the specific scope of work.
 You are advised to quote your Principal Registration No. 800060282 in all future correspondence.





SHUBHLAXMITM

Shubhlaxmi Metals And Tubes Pvt. Ltd.

AN QMS 9001, EMS 14001, OH&S 45001, PED 2014/68/EU, AD 2000 MERKBLATT W0 & GOVT, RECOGNISED EXPORT HOUSE

HEAD OFFICE

12th Floor, 1208, Plot No-1487, Prasad Chambers, Tata Road No-2,
Roxy Cinema, Opera House, Mumbai : 400 004.

Tel.: +91-22-2389 3301/02/03 | E-mail : sales@shubhlaxmigroup.com

PLANT

Plot No. 9-10-11, 52 Hector Expansion Area, New G.I.D.C,
Umbergaon-396171, Dist. Valsad, (Gujarat) India.

Tel.: +91-260-2561717/8 | E-mail : works@shubhlaxmigroup.com



www.shubhlaxmigroup.com

"Retain Relationship, Business Will Follow"