

Manufacturer of Stainless Steel
Nickel Alloys | Super Duplex
Seamless Pipes | Tubes | U-Tubes



KAVERY TUBING SOLUTIONS PVT. LTD

(AN ISO 9001, 14001, 18001, PED & IBR Certified Company)

Engineering today for a **Greener Tomorrow**

| C - 1 - 389 | GF - 1 | Shree Pramukh Swami Industrial Estate | GIDC. | Makarpura | Vadodara - 390 010 | Gujarat | INDIA |
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GSTIN : 24AAJCK3326P127 | CIN No. : U28999GJ2022PTC129361 | PAN No. : AAJCK3326P | TAN No. : BRDK04063D |

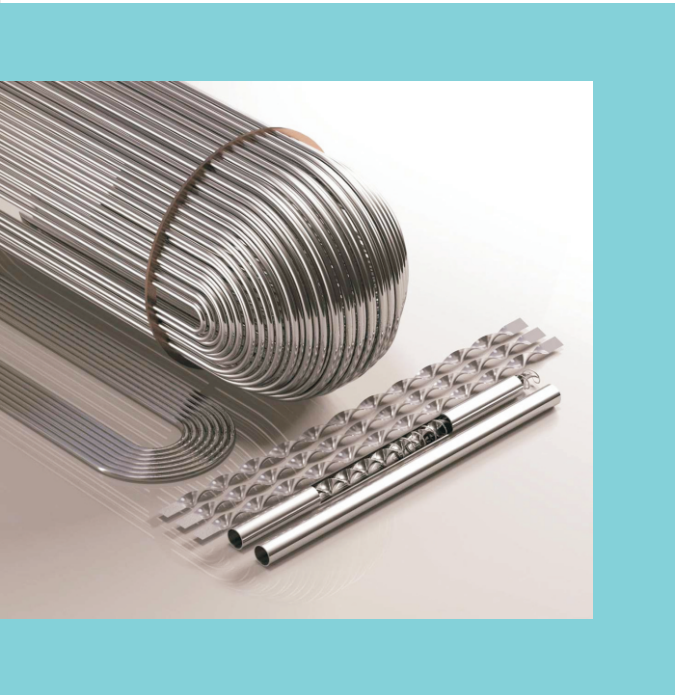
| **AMBITIOUS** | **ENTHUSIASTIC** | **ETHICAL** | **VISIONARY** | **LOYAL** |

Company Profile

Kavery Tubing Solutions Pvt. Ltd provides total piping & tubing solutions by manufacturing of / Stainless Steel /Nickel Alloy/DUPLEX Seamless Tubes & Pipes, Stainless Steel U-Tubes, Heat exchanger tubes etc.

Kavery Tubing Solutions Pvt. Ltd has centralized its manufacturing functions at Chhatral (Dist. Gandhinagar, Gujarat, India) 40 km away from Ahmedabad, in an industrial plot of 55,000 sq. ft. with an installed capacity 8,000MT/Annum.

Kavery Tubing Solutions Pvt. Ltd is an ISO 9001, ISO 14001, ISO 18001 PED & IBR certified, customer-focused fast-growing steel company which manufactures a wide range of **SEAMLESS TUBES, U- TUBES & PIPES**. We have an exhaustive quality assurance facility to test each & every product; the company has the latest manufacturing & testing equipment of world class Standard & Equity qualified and experienced personnel to manage the inspection at various levels. Our product range are used in niche market such as Pharmaceuticals, refineries, oil & gas , petrochemical plants, fertilizers plants, steel plants, power plants, sugar plants, chemical plants, engineering companies, railways and defense.



Our Vision

To be become a globe Seamless tubes Manufacturing Company that is the supplier, Customer and Employer of choice, superior to what they expect consistently within the industries it serves and the community it resides.

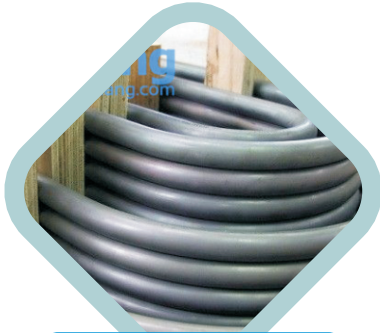
Our Mission

To provide high quality products that combine performance with value pricing, while establishing a successful relationship with our customers and our suppliers.

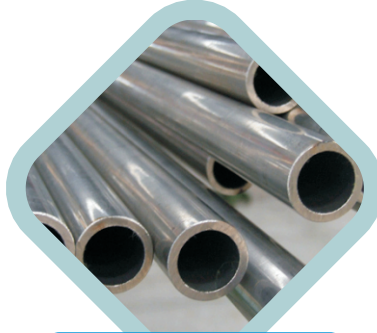
Our Values

To be open, honest and fair... whatever we do, and do it right, and we do it together

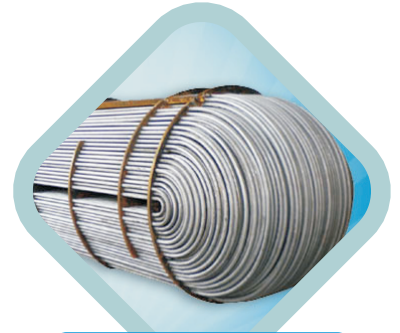
What We Offer



HEAT EXCHANGER TUBES



BRIGHT ANNEALED



U BAND TUBES



STAINLESS STEEL TUBES



HYDRAULIC TUBES



FINNED TUBES

Product Range

Product Made	O. D. Range mm	Wall Thickness mm	Graders (TP)	Specifications
S.S. Seamless Heat Exchanger Straight Tubes	10 to 76	0.7 to 6	TP 304, TP 316, TP 317, TP 321, (L&H) TP 405, TP 410, TP 430, UNS, 31803, 31500 & 32205	ASTMA-213 A-268, A-789, A-376
S.S. Seamless Heat Exchanger "U" Tubes	15 to 51	1 to 4	TP 304, TP 316, TP 317, TP 321, (L&H) TP 405, TP 410, TP 430, UNS, 31803, 31500 & 32205	ASTMA-213 A-268, A-789, A-376 As per customer's Drawing.
S.S. Seamless Boiler Tubes	30 to 76.1	2.5 to 5	TP 304, TP 316, TP 321, TP 347, 347H (L&H)	ASTMA-213, A376
S.S. Seamless Instrumentations Tubes	5 to 25	0.5 to 2.5	TP 304, TP 316, TP 316L, TP 321	ASTMA-213 A-269, A-376
S.S. Welded Heat Exchanger Tubes & U Tubes	5 to 219	0.5 to 7.0	TP 304, TP 316(L&H) TP 316, TP 317, TP 321, (L&H) TP 310, 310H, 405, TP 410, TP 430, UNS, 31803, 31500 & 32205, Titanium Tubes G-2.	ASTM A-249, A-269, A-688, B-338

***Sizes other than above can be manufactured as per requirement**



Kavery is highly experienced in dealing with customer requirements and specifications. Its quality assurance system is certified according to ISO 9001:2008 standards. The project oriented organization allows to deal with main international standards ASTM, ASME, API, EN, DNV-OSF101, customer requirements and any project specifications. The mill is equipped with in house accredited laboratory that allows to verify material features, determine chemical and mechanical properties, control quality of welds, ensure compliance with regulations and above all guarantee the highest quality of the products.

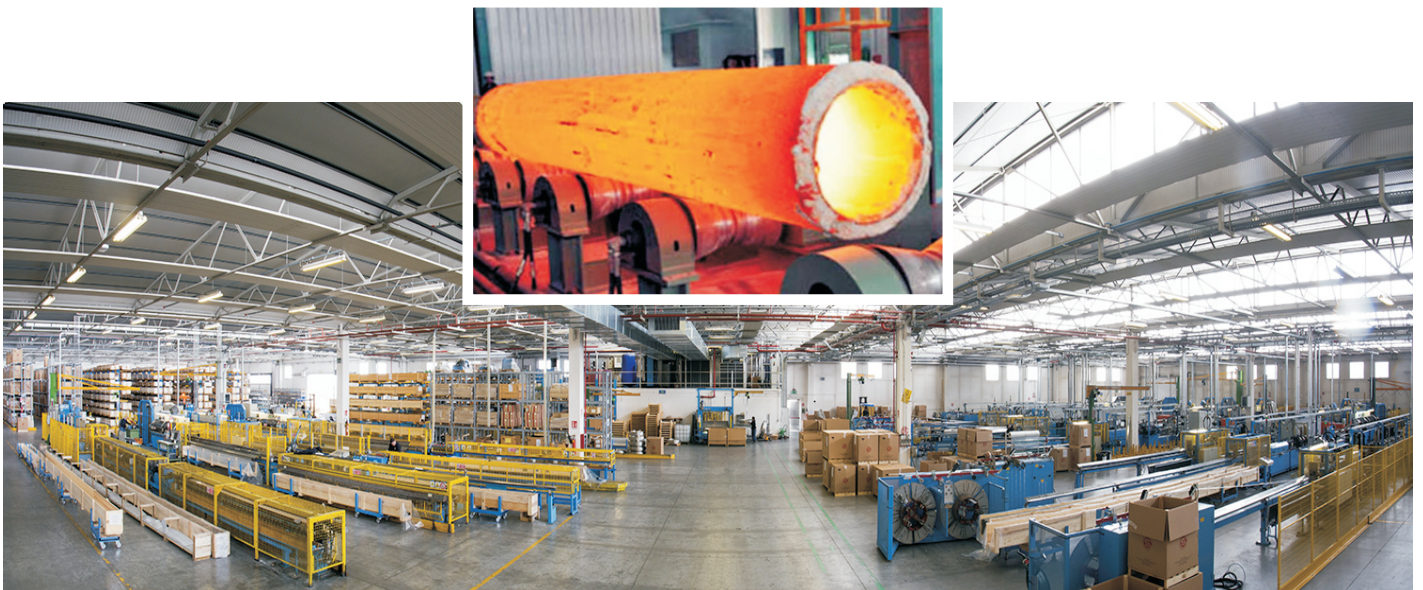
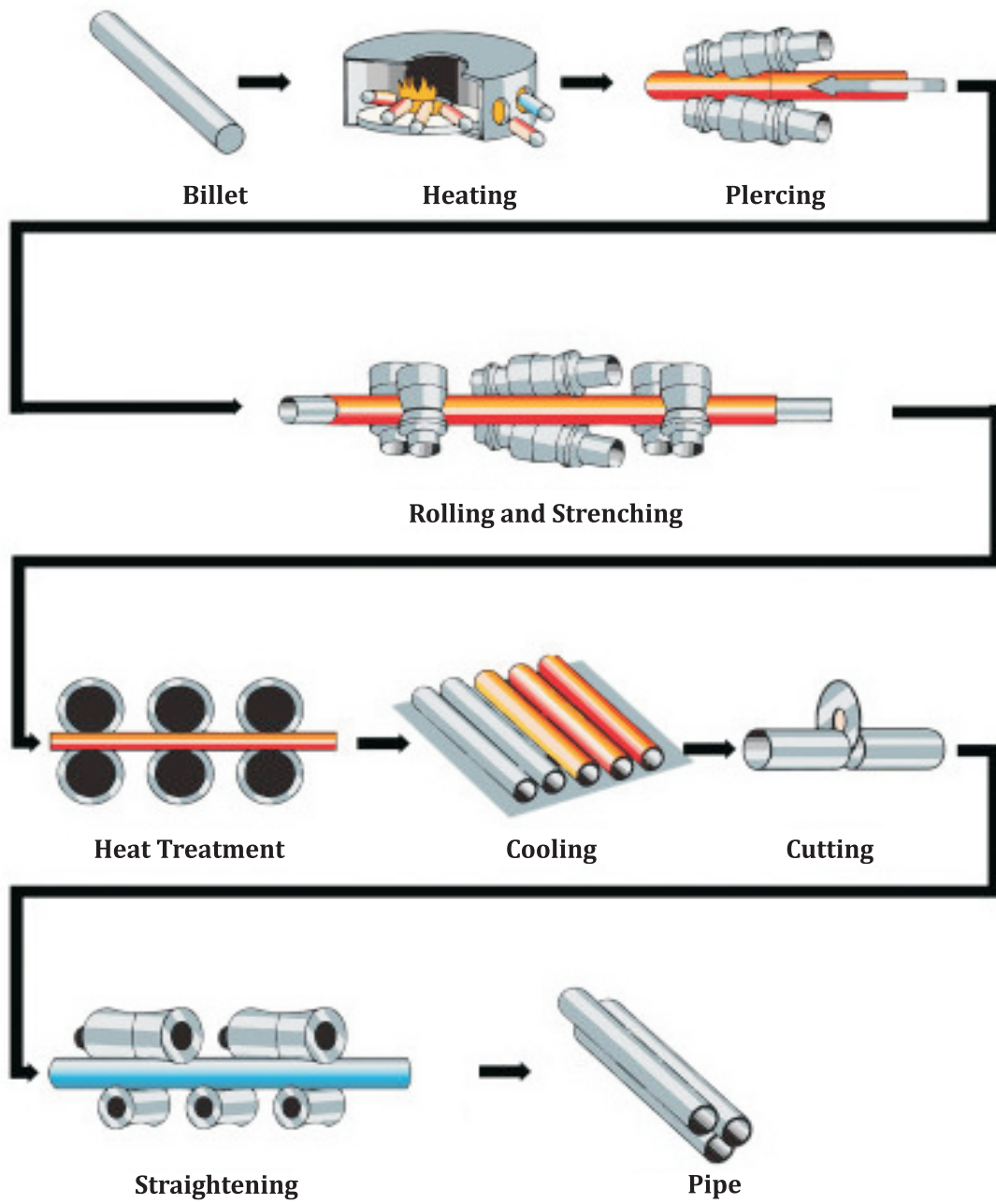
Quality Policy

We, at Kavery Tubing Solutions Pvt. Ltd. are committed to achieve a reputation for quality seamless tubes at competitive price by introducing latest technologies, deploying trained personnel along with adequate resources in all respect, striving at continual improvement.

We are also committed to fulfill the need and expectation of the customers through active participation at all level of employees and fostering a spirit of pride amongst them.



Manufacturing Process



Testing & Inspection

Destructive Testing:

Product Analysis/Chemical Analysis
Tensile Test at room temperature and hot tensile test
Bend Test
Impact Test up to -196°C
Micrographic Examination up to 500X
Macrographic Examination
Ferrite Counting
Examination acc. to ASTM E562
Corrosion Test (ASTMA262; ASTMA923; ASTM G48; ASTM G28)
Hardness Test (also NACE MR 01-75)
Drop weight tear test (DWTT) Hydrogen-Induced Cracking (HIC)
Sulphide Stress Corrosion Cracking (SSCC)

Non Destructive Testing:

Sulphide Stress Corrosion Cracking (SSCC)
X-Ray Testing (Radiographic & Radioscopic examination & Digital)
Liquid Penetrant Examination
Ultrasonic Examination (and PAUT)
Magnetic Particle Examination
Hydrostatic Test
Positive Material Identification (PMI Testing)

SS PIPES SCH, THICKNESS, DIMENSION, WT/MTR

DESIGNATION OF DIA		OD MM	NORMAL WALL THICKNESS																NORMAL WALL THICKNESS																
OD (A) NB	OD (B) INCH	OD MM	SCH 5S		SCH 5		SCH 10S		SCH 10		SCH 20S		SCH 30		SCH 40S STD		SCH 40		SCH 60		SCH 80 SXS		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160		SCH XXS		
			WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	WALL Thk	Weight Kg/Mtr	
6	1/8	10.3	1.24	0.28			1.24	0.28			1.5	0.33			1.73	0.37	1.73	0.37			2.41	0.47	2.41	0.47											
8	1/4	13.7	1.24	0.39			1.65	0.49			2.00	0.58			2.24	0.63	2.24	0.63			3.02	0.80	3.02	0.80											
10	3/8	17.1	1.24	0.49			1.65	0.63			2.00	0.74			2.31	0.84	2.31	0.84			3.20	1.10	3.20	1.10											
15	1/2	21.3	1.65	0.80	1.65	0.80	2.11	1.00	2.11	1.00	2.30	1.07			2.77	1.27	2.77	1.27			3.73	1.62	3.73	1.62							4.78	1.95	7.47	2.55	
20	3/4	26.7	1.65	1.03	1.65	1.03	2.11	1.28	2.11	1.28	2.55	1.52			2.87	1.69	2.87	1.69			3.91	2.20	3.91	2.20							5.54	2.90	7.82	3.64	
25	1	33.4	1.65	1.30	1.65	1.30	2.77	2.09	2.77	2.09	3.00	2.25			3.38	2.50	3.38	2.50			4.55	3.24	4.55	3.24							6.35	4.24	9.09	5.45	
32	1 1/4	42.2	1.65	1.65	1.65	1.65	2.77	2.70	2.77	2.70	3.00	2.90			3.56	3.39	3.56	3.39			4.85	4.47	4.85	4.47							6.35	5.61	9.70	7.77	
40	1 1/2	48.3	1.65	1.91	1.65	1.91	2.77	3.11	2.77	3.11	3.00	3.35			3.68	4.05	3.68	4.05			5.08	5.41	5.08	5.41							7.14	7.25	10.16	9.56	
50	2	60.3	1.65	2.40	1.65	2.40	2.77	3.93	2.77	3.93	3.00	4.24			3.91	5.44	3.91	5.44			5.54	7.48	5.54	7.48						8.71	11.11	11.07	13.40		
65	2 1/2	73.0	2.11	3.69	2.11	3.69	3.05	5.26	3.05	5.26	3.50	6.81			5.16	8.63	5.16	8.63			7.01	11.41	7.01	11.41						9.53	14.92	14.02	20.40		
80	3	88.9	2.11	4.51	2.11	4.51	3.05	6.45	3.05	6.45	4.00	8.37			5.49	11.30	5.49	11.30			7.62	15.30	7.62	15.30						11.13	21.35	15.24	27.7		
90	3 1/2	101.6	2.11	5.18	2.11	5.18	3.05	7.41	3.05	7.41	4.00	9.62			5.74	13.57	5.74	13.57			8.08	18.53	8.08	18.53								16.15	34.10		
100	4	114.3	2.11	5.84	2.11	5.84	3.05	8.36	3.05	8.36	4.50	12.18			6.02	16.07	6.02	16.07			8.56	22.30	8.56	22.30			11.13	28.32			13.49	33.50	17.12	41.03	
125	5	141.3	2.77	9.47	2.77	9.47	3.40	11.57	3.40	11.57	5.00	16.80			6.55	21.77	6.55	21.77			9.53	30.90	9.53	30.90			12.70	40.20			15.88	49.11	19.05	57.40	
150	6	168.3	2.77	11.32	2.77	11.32	3.40	13.84	3.40	13.84	6.35	25.36			7.11	28.26	7.11	28.26			10.97	42.50	10.97	42.50			14.27	54.20			18.24	67.50	21.95	79.22	
200	8	219.1	2.77	14.79	2.77	14.79	3.76	19.96	3.76	19.96	6.35	33.31	7.0	36.8	8.18	42.55	8.18	42.55	10.31	53.1	12.70	64.50	12.70	64.50	15.10	75.92	18.24	90.40	20.62	100.90	23.01	111.27	22.23	108.00	
250	10	273.0	3.40	22.63	3.40	22.63	4.19	27.78	4.19	27.78	6.35	41.77	7.80	51.3	9.27	60.31	9.27	60.31	12.70	81.50	12.70	81.50	15.10	96.00	18.24	114.70	21.41	133.0	25.40	155.0	28.58	172.3	25.40	155.0	
300	12	323.8	3.96	3.40	4.19	3.40	4.57	36.00	4.57	36.00	6.35	49.70	8.38	65.2	9.53	73.80	10.31	79.7	14.27	109.0	12.70	97.40	17.45	132.00	21.41	160.0	25.40	187.0	28.58	208.0	33.32	238.7	25.40	187.0	
350	14	355.6	3.96				4.78	41.3	6.35	54.6	7.92	67.90	9.53	81.3	9.53	81.30	11.13	94.6	15.09	126.0	12.70	107.0	19.05	158.0	23.80	195.0	27.76	224.0	31.75	253.5	35.71	281.0			
400	16	406.4	4.19				4.78	47.29	6.35	62.6	7.92	77.82	9.53	93.3	9.53	93.3	12.70	123.0	16.66	160.0	12.70	123.0	21.41	203.0	26.19	245.0	30.94	286.0	36.53	333.0	40.46	366.0			
450	18	457.2	4.19				4.78	53.42	6.35	70.50	7.92	87.74	11.13	122.0	9.53	105.00	14.27	156.0	19.05	206.0	12.70	139.0	23.80	254.0	29.36	310.0	34.93	363.0	39.67	408.0	45.24	459.0			
500	20	508.2	4.78				5.54	68.71	6.35	78.50	9.53	117.14	12.70	155.1	9.53	117.20	15.09	183.0	20.62	248.0	12.70	155.1	26.19	311.0	32.54	381.0	38.10	441.0	44.45	508.0	49.99	564.0			
550	22	558.8	4.78				5.54	75.58	6.35	86.40	9.53	129.08	12.70	171.0	9.53	129.00			22.23	294.0	12.70	171.0	28.57	373.0	34.92	451.0	41.27	527.0	47.62	600.0	53.97	671.0			
600	24	609.6	5.54				6.35	94.45	6.35	94.70	9.53	141.11	14.30	210.0	9.53	141.0	17.48	255.0	24.61	355.0	12.70	187.0	30.94	434.0	38.89	547.7	46.02	629.0	52.37	719.0	59.51	807.0			
650	26	660.4						7.92	128.00	12.70	203.0			9.53	153.0						12.70	202.0													
700	28	711.2						7.92	137.40	12.70	218.0	15.88	272.0	9.53	165.0						12.70	218.0													
750	30	762.0	6.35				7.92	147.00	12.70	234.6	15.88	290.7	9.53	176.0							12.70	235.0													
800	32	812.8						7.92	157.00	12.70	250.6	15.88	312.0	9.53	188.0	17.48	342.0				12.70	251.0													
850	34	863.8						7.92	167.00	12.70	266.50	15.88	331.7	9.53	200.0	17.48	364.9				12.70	266.0													
900	36	914.4						7.92	176.6	12.70	282.4	15.88	352.2	9.53	212.0	19.05	420.6				12.70	282.0													

24.66 D-tt
1000
Wt/pam + formula
Weight Stainless Steel Pipe
OD (mm) - WT (mm) XW.T (mm) x 0.02466 = kg per mtr

STAINLESS STEEL CHEMICAL COMPOSITION

Grade									
Chemical Composition - Per cent									
AISI	C Max	Mn Max	P Max	S Max	Si Max	Cr	Ni	Mo	Other Element
J7	0.10	8.50-10.00	0.090	0.030	0.75	15.00-16.00	0.25-0.50	-	-
J4	0.10	8.50-10.00	0.090	0.030	0.75	15.00-16.00	0.80-1.20	-	-
201	0.15	5.50-7.50	0.060	0.030	1.00	16.00-18.00	3.50-5.50	-	N 0.25
202	0.15	7.50-10.00	0.060	0.030	1.00	17.00-19.00	4.00-6.00	-	N 0.25
301	0.15	2.00	0.045	0.030	1.00	16.00-18.00	6.00-8.00	-	-
304	0.08	2.00	0.045	0.030	1.00	18.00-20.00	8.00-11.00	-	-
304L	0.035	2.00	0.045	0.030	1.00	18.00-20.00	8.00-12.00	-	-
304H	0.04-0.10	2.00	0.045	0.030	1.00	18.00-20.00	8.00-11.00	-	-
309S	0.08	2.00	0.045	0.030	1.00	22.00-24.00	12.00-15.00	-	-
310S	0.08	2.00	0.045	0.030	1.00	24.00-26.00	19.00-22.00	-	-
316	0.08	2.00	0.045	0.030	1.00	16.00-18.00	11.00-14.00	2.00-3.00	-
316L	0.035	2.00	0.045	0.030	1.00	16.00-18.00	10.00-15.00	2.00-3.00	-
316H	0.04-0.10	2.00	0.045	0.030	1.00	16.00-18.00	11.00-14.00	2.00-3.00	-
316Ti	0.08	2.00	0.045	0.030	1.00	16.00-18.00	10.00-14.00	2.00-2.50	Ti5* min
317	0.08	2.00	0.045	0.030	1.00	18.00-20.00	11.00-14.00	3.00-4.00	-
317L	0.035	2.00	0.045	0.030	1.00	18.00-20.00	11.00-15.00	3.00-4.00	-
321	0.08	2.00	0.045	0.030	1.00	17.00-19.00	9.00-13.00	-	Ti5xC%
347	0.08	2.00	0.045	0.030	1.00	17.00-19.00	9.00-13.00	-	Ti5xC%
347H	0.04-0.10	2.00	0.045	0.030	1.00	17.00-19.00	9.00-13.00	-	Na+Ta10xC%
409L	0.03	1.00	0.040	0.030	1.00	10.50-11-70	0.050	-	Ti6x(c=N) min
410	0.15	1.00	0.040	0.030	1.00	11.50-13.50	0.75	-	-
410S	0.08	1.00	0.040	0.030	1.00	11.50-13.50	0.60	-	-
420	0.015Min	1.00	0.040	0.030	1.00	10.50-15.50	1.0-2.5	-	Mo 0.20-1.20
430	0.12	1.00	0.040	0.030	1.00	16.00-18.00	0.75	-	-
444	0.030	1.00	0.040	0.030	1.00	17.50-19.50	-	-	-

EQUIVALENT STANDERDS

AISI	304	304L	310S	316	316L	316Ti	317	321	410
DIN	1.4301	1.4306	1.4845	1.4401	1.4404	1.4571	1.449	1.4541	1.4006
UNS	S 30400	S 30403	-	S 31600	S 31603	S 31635	-	S 32100	S 41000
JIS	SUS 304	SUS 304L	SUS 310S	SUS 316	SUS 316L	SUS 316 Ti	SUS 317	SUS 321	SUS 410

Application



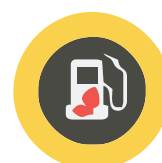
Chemical



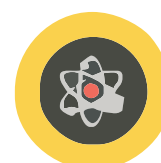
Power



Refinery



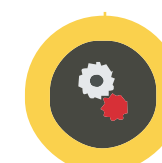
Removable Fuels



Pharmaceutical



Food & Beverage



Manufacturing



Alterative Energy

CORPORATE PHILOSOPHY

Building permanent relationship with
the customer by investing in Total
Quality for Customer's delight.



KAVERY TUBING SOLUTIONS PVT. LTD

(AN ISO 9001, 14001, 18001, PED & IBR Certified Company)

Engineering today for a **Greener Tomorrow**

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| **AMBITIOUS** | **ENTHUSIASTIC** | **ETHICAL** | **VISIONARY** | **LOYAL** |