



PEARLLITE STEEL™

Quality Personified

Company Silhouette

Since last two decades we have been assiduously surpassing our goals step by step in the stainless steel industry across the Asian sub-continent. Over the years, perseverance and ardor in our work helped us to carve out a path of success for us and our venerated clients. We are Pearlite Group, a conglomerate based out of Gujarat, India. From Stainless Steel Tubes & Pipes, to Stainless Steel Hardware Products, to Modular Kitchens, we have been a versatile business group through all these years. Mentored by the likes of Alumni from Asia's finest educational institutions similar to the Indian Institute of Management, Ahmedabad (IIM-A) and the Indian Institute of Technology, Bombay (IIT-B), we are essentially a multi-product multi-trade company, providing solutions to many of the industry needs.

With state-of-the-art manufacturing processes, contemporary technologies, and proficient services, we consider: offering finest quality - best in class products - at the most advantageous rates, as our forte. At Pearlite Steel, we offer a balanced product portfolio of ERW Welded Stainless Steel Tubes & Pipes of globally recognized ASTM Standards. Nevertheless, Welded Tubes of ASTM A-554 standard is something that we consider as our area of expertise. Although our client base is encircled across parts of Europe, Latin America, Gulf Countries, and Asian Sub-continent, our focus remains on creating a superior traction across the emerging BRICS (Brazil, Russia, India, China, and South Africa) economies.

**We Are What We Repeatedly Do.
Excellence Is Therefore Not An Act, But A Habit.**
– Aristotle





Manufacturing Excellence

Spread across a sprawling manufacturing plant, we possess the entire gamut of facilities available in-house to produce finest quality products. Our plant functions 24 hours in a day, encompassing the entire manufacturing process under one roof. We believe in never compromising when it comes to producing finest quality products that matches the globally acclaimed standards. Our stringent quality control measures make sure that our products remain the best-in-class across the spectrum. With comprehensive range of mechanism like Tube Mills, Polishing, Straightening, Deburring, and End Facing Machines, we possess and encircle almost an entire gamut of in-house manufacturing processes including, Pickling, Solution Annealing, Beveling, and Hydro Testing for producing excellent quality tubes and pipes.

Best in Class Products and Services

We take superior care while offering our products and services to our clients. Every single manufacturing process we employ undergoes stringent quality control measures. Time and again, we ensure quality control standards at our organization remain at the highest of pedestals and are commensurate with the premium quality international benchmarks.

- **Our Focus:** Through a wide array of in-house facilities our stress remains on offering our clients with products precisely as per their specifications and requirements.
- **Swift and Punctual:** By ensuring incessant outlay into contemporary technologies, we strive to offer finest support to our clients across all possible domains while dealing with our organization.
- **Proficient Approach:** Truly steadfast and hands-on professional team to ensure and immaculately manage even the smallest of detailing in regards to our client's requirements. Essentially, At Our Organization Customer Service is Not a Department, Its Everyone's Job.

Our manufacturing process comprise of stainless steel tubes and pipes made out with acclaimed state-of-the-art tube mills where in the stainless steel slitted strips of specified widths incessantly function to form the strips into tubular shapes that are welded through automated Tungsten-Inert-Gas (TIG) welding process. Subsequently, the edges of the strips are heated and compounded together under a well protected atmosphere of argon gas through a non-consumable electrode without the addition of any filler metal. The strength mechanism of the bond or weld is persistently controlled by sophisticated electronic devices that maintain flawless arc stability and direction in the magnetic field.

**People forget how fast you did a job –
but they remember how well you did it.**
— Howard Newton



Areas of Application

We offer a versatile product portfolio of ERW Welded Stainless Steel Tubes and Pipes of various globally recognized ASTM standards. More prominently, we consider ASTM A-554 segment as our forte. We present Ornamental, Decorative, Furniture, and Infrastructure Pipes & Tubes in various shapes like Round, Oval, Square, and Rectangle. The finish/polish we offer ranges from Hair Line (Grit 180), Grinded Semi-Matt (Grits 240, 320, 400, and 600), Smooth Matt (Grit 800 and 1000), and Mirror - Super Gloss (BA, 4K, 6K, and 8K finish) categories. Some of the foremost industries that use our products comprise of Automobiles, Hardware, Furniture, Public Infrastructure, Fabrication, Sugar, Construction, Pulp & Paper Mills, Textiles, Food & Dairy, etc.

Stainless Steel Round Tubing Series

ROUND TUBES		WEIGHT (KG/METER)						
WALL THICKNESS		0.7mm	0.9mm	1mm	1.2mm	1.5mm	2.0mm	2.5mm
in inch	in mm							
5/8	15.88	0.27	0.34	0.37	0.44	0.54	-	-
3/4	19.08	0.32	0.41	0.45	0.54	0.66	0.85	-
7/8	22.23	0.38	0.48	0.53	0.63	0.78	1.01	-
15/16	23.81	0.40	0.52	0.57	0.68	0.84	1.09	-
1	25.4	0.43	0.55	0.61	0.73	0.9	1.17	1.43
1 1/8	28.58	0.49	0.62	0.69	0.82	1.02	1.33	1.63
1 1/4	31.75	0.54	0.69	0.77	0.92	1.13	1.49	1.83
1 1/2	38.1	0.66	0.84	0.93	1.11	1.37	1.81	2.33
1 3/4	45	0.78	0.99	1.1	1.31	1.63	2.15	2.66
2	50.8	0.88	1.12	1.25	1.49	1.85	2.44	3.02
2 1/2	63.5	-	1.41	1.56	1.87	2.33	3.08	3.81
3	76.2	-	1.69	1.88	2.25	2.8	3.71	4.61
3 1/2	88.9	-	-	-	-	3.28	4.35	5.4
4	101.6	-	-	-	-	3.76	4.98	6.19

SMALL ROUND TUBES		WEIGHT (KG/METER)						
WALL THICKNESS		0.5	0.6	0.7	0.8	1.0	1.2	1.6
in inch	in mm							
5/16"	7.93	0.024	0.030	0.038	0.039	0.048	0.060	0.079
3/8"	9.52	0.112	0.134	0.154	0.174	0.213	0.249	0.317
---	10.0	0.119	0.141	0.163	0.184	0.225	0.264	0.336
1/2"	12.7	0.153	0.182	0.210	0.238	0.293	0.345	0.444



Apart From Dimensions Mentioned Above, Other Specifications May Be Possible On Request.

Rectangular Steel Tubing Series

HOLLOW SECTION	WEIGHT (KG/METER)						
	WALL THICKNESS	0.9MM	1MM	1.2MM	1.5MM	2.0MM	2.5MM
20x10		0.42	0.47	0.57	0.71	-	-
25x15		0.55	0.61	0.73	0.90	1.18	1.44
30x10		0.55	0.61	0.73	0.90	1.18	1.44
30x20		0.69	0.77	0.92	1.13	1.49	1.83
40x20		0.84	0.93	1.11	1.37	1.81	2.23
40x30		0.98	1.09	1.30	1.62	2.13	2.63
50x10		0.84	0.93	1.11	1.37	1.81	2.23
50x25		1.06	1.18	1.41	1.77	2.36	2.95
50x30		1.13	1.25	1.49	1.85	2.45	3.09
60x20		1.13	1.25	1.49	1.85	2.45	3.09
60x40		1.41	1.56	1.87	2.33	3.08	3.81
75x25		1.41	1.56	1.87	2.33	3.08	3.81



Apart From Dimensions Mentioned Above, Other Specifications May Be Possible On Request.

Stainless Steel Square Tubing Series

SQUARE HOLLOW SECTION	WEIGHT (KG/METER)						
	WALL THICKNESS	0.9MM	1MM	1.2MM	1.5MM	2.0MM	2.5MM
10x10		0.27	0.29	0.35	0.42	-	-
12.50x12.50		0.34	0.37	0.44	0.54	-	-
15x15		0.41	0.45	0.54	0.66	-	-
20x20		0.55	0.61	0.73	0.9	1.18	1.44
25x25		0.69	0.77	0.92	1.13	1.49	1.84
30x30		0.84	0.93	1.11	1.37	1.81	2.23
35x35		0.98	1.09	1.30	1.62	2.13	2.63
40x40		1.12	1.25	1.49	1.85	2.45	3.03
50x50		1.41	1.56	1.87	2.33	3.09	3.83
60x60		1.69	1.88	2.25	2.8	3.73	4.63



Apart From Dimensions Mentioned Above, Other Specifications May Be Possible On Request.

Stainless Steel Round Piping Series

ROUND PIPES		WALL THICKNESS & WEIGHT					
NOMINAL PIPESIZE	OUTSIDE DIAMETER	SCHEDULE 55		SCHEDULE 10S		SCHEDULE 40S	
		W.T.		W.T.		W.T.	
in inches	in inches	mm	kg/Mt	mm	kg/Mt	mm	kg/Mt
1/2	21.34	1.65	0.81	2.11	1.01	2.77	1.28
3/4	26.67	1.65	1.03	2.11	1.3	2.87	1.70
1	33.4	1.65	1.31	2.77	2.12	3.38	2.53
1 1/4	42.16	1.65	1.67	2.77	2.72	3.56	3.43
1 1/2	48.26	1.65	1.92	2.77	3.15	3.68	4.10
2	60.33	1.65	2.42	2.77	3.98	3.91	5.51
2 1/2	73.03	2.11	3.74	3.05	5.03	5.16	8.75
3	88.9	2.11	4.57	3.05	6.54	5.49	11.44
3 1/2	101.6	2.11	5.25	3.05	7.51	5.74	13.75
4	114.3	2.11	5.95	3.05	8.48	6.02	16.29
5	141.3	2.77	9.59	3.4	11.72	6.55	22.06



Apart From Dimensions Mentioned Above, Other Specifications May Be Possible On Request.

Stainless Steel Grade Portfolio

	Pearlite Grades	UTS (United Numbering System)	USA-Canada (AISI - ASTM - ASME)	India / IS Letter Symbol	Germany / DIN Designation	Japan / JIS	%C (Max)	%Mn (Max)	%P (Max)	%S (Max)	%Si (Max)	%Cr	%Ni	%Mo	%N (Max.)	% Others
Austenitic Cr-Mn*	J/T (201 0.3% Ni)	--	--	--	--	--	0.0-0.096	9.50-10.50	0.08	0.001	0.50	15.00-15.50	0.40	--	0.20	Cu = 1.50-2.0
	J4 (201 1% Ni)	--	--	--	--	--	0.10	8.00-10.00	0.06	0.005	0.75	15.50-16.50	1.0-2.0	--	0.20	Cu = 1.50-2.0
	204Cu	S20430	--	--	--	--	0.15	6.5-9.00	0.06	0.030	1.00	15.50-17.50	1.5-3.5	--	0.05-0.25	Cu = 2.00-4.00
	204	--	--	--	--	--	0.08	4.50-6.50	0.06	0.015 max	1.00	17.50-19.50	4.0-6.0	--	0.10-0.20	--
	J1 (202 4% Ni)	--	--	--	--	--	0.08	6.00-8.00	0.06	0.015	0.75	16.00-18.00	4.0-6.0	--	0.10	Cu = 1.50-2.00
	216L	--	--	--	--	--	0.03	6.00-8.00	0.06	0.030	1.00	16.00-18.00	6.0-8.0	0.50-2.00	0.15-0.25	Cu = 1.50-2.0
Austenitic Cr-Mn*	301	S30100	310	X10 Cr17 Ni7	X12Cr Ni177	SUS301	0.15	2.00	0.045	0.030	1.00	16.00-18.00	6.0-8.0	--	0.10	--
	304	S30400	304	X04 Cr19 Ni9	X5CrNi 1810	SUS304	0.08	2.00	0.045	0.030	0.75	18.00-20.00	8.0-10.50	--	0.10	--
	304H	S30409	304H	--	--	--	0.04-0.10	2.00	0.045	0.030	0.75	18.00-20.00	8.0-10.50	--	--	--
	304L	S30403	304L	--	--	SUS304L	0.03	2.00	0.045	0.030	0.75	18.00-20.00	8.0-12.00	--	0.10	--
	310	S31000	310	X20 Cr25 Ni20	X15 CrNi Si2520	SUS310	0.25	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00	--	--	--
	310S	S31008	310S	--	X12 Cr Ni2621	SUS310S	0.08	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00	--	--	--
	316	S31600	316	X04 Cr17 Ni12Mo2	X5 CrNi Mo17122	SUS316	0.08	2.00	0.045	0.001	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	--
	316L	S31603	316L	X02 Cr17Ni 12Mo2	X2 CrNi Mo17132	SUS316L	0.03	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	--
	316TI	S31635	316TI	X04 Cr17 Ni12Mo2 Ti	X6 CrNi MoTi1 7122	--	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	Ti=5X (C+N) Min., 0.70 Max
	321	S32100	321	X04 Cr18 10Ti	X6 CrNi Ti1810	SUS321	0.08	2.00	0.045	0.030	0.75	17.00-19.00	9.0-12.00	--	0.10	Ti=5X (C+N) Min 0.70 Max
Martensitic	410	S41000	410	X12Cr12	X12Cr13	SUS410	0.15	1.00	0.040	0.030	1.00	11.50-13.50	0.75 max	--	--	--
	420	S42000	420	X20Cr13	X12Cr13	SUS 420JT	0.15 min	1.00	0.040	0.030	1.00	12.00-14.00	0.75 max	--	--	--
Ferritic	409	S40900	409	--	X2CrTi12	--	0.03	1.00	0.040	0.020	1.00	10.50-11.75	0.50 max	--	0.030	Ti=5X (C+N) Min 0.5 Max.
	410S	S40900	410S	--	S41008	--	0.08	1.00	0.040	0.030	1.00	11.50-13.50	0.60 max	--	--	--
	430	S43000	430	X07Cr17	X6Cr17	SUS430	0.12	1.00	0.040	0.030	1.00	16.00-18.00	0.75 max	--	--	--

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