



Crizal Tube™
BEST DEAL IN STEEL
AN ISO 9001:2015 ISO 14001:2015 CERTIFIED COMPANY

MANUFACTURER OF EFW AND ERW PIPES AND TUBES



COMPANY PROFILE

CRIZAL TUBE is one of the prominent and well established name in the world of stainless steel. Established in the year 2012, we have gained enough experience to manufacture best quality stainless steel products.

CRIZAL TUBE owns two manufacturing facilities based in Mumbai and Gujarat, fully equipped with latest hi-tech machineries for manufacturing stainless steel pipes and tubes.

CRIZAL TUBE'S sole vision is to achieve, customer satisfaction through continuous innovation, better products, time bound delivery yet holding firmly on honesty.

At **CRIZAL TUBE** we work with our clients in order to deliver to their deadlines. We strive to give the correct information and assistance needed and personal attention in meeting their needs.

Our mission is to provide best quality product by maintaining high standards of manufacturing stringent quality management and skilled manpower.

QUALITY CONTROL

CRIZAL TUBE is committed to continuously upgrade our knowledge and skills to improve the efficiency of our organisation and strive for outstanding quality of our products.

CRIZAL TUBE promises to deliver quality pipes, quality manufacturing, and quality service at the most reasonable price.

All our SS Pipe/Tube are manufactured as per approved quality manual, we follow up production as per approved QAP by client, checked from the issue of raw material purchase order, controlling of incoming materials, stage wise inspection during production till inspection and dispatch.





STAINLESS STEEL EFW (ELECTRIC FUSION WELDED) PIPES.

CRIZAL TUBE is renowned as one of the prominent manufacturer of EFW Pipes. Pipes manufactured at our facility pass tests of highest standards. Our plant is equipped with machines which are perfect for manufacturing EFW Pipes.

CRIZAL TUBE manufactures EFW Pipes in Round / Square and Rectangular form.

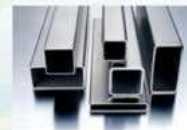
CRIZAL TUBE is the only manufacturer in India having capability to manufacture Fabricated / EFW Stainless steel hollow sections up to 15 MTRS long all under one roof.

Stainless Steel EFW austenitic chromium-nickel Pipes Are suitable for corrosive or high-temperature use and for general applications.

EFW Pipes are manufactured with a combination of 1500MT press brake, multiple roller dies, 500MT size calibration press and solution annealing furnace.

Our welders and welding operation, systems and standards are confined to ASME code.

Stainless Steel EFW Pipes features high durability, strength, dimensional accuracy, sturdy construction and corrosion resistance.



SIZE RANGE	THICKNESS	SPECIFICATION	FINISH
4" NB 114MM OD TO 32" NB 812 MM OD	3 MM TO 30 MM	ASTM A-358 A-409 A-778 A-928	BRIGHT / SOLUTION ANNEALED. HI PICKLED MATT POLISH

GRADE	WELDING CLASS	END TYPE	USES / APPLICATION
201, 202, 304, 304L, 304H, 316L, 316Ti, 310, 904, 409, ETC.	CLASS I, CLASS II, CLASS III, CLASS IV, CLASS V.	PLAIN END (PE) THREADED END (TE) BEVELED END (BE)	OIL INDUSTRY. CONSTRUCTION JOB POWER PLANTS. ETC.

STAINLESS STEEL WAS DISCOVERED DURING A WEAPON EXPERIMENT IN 1913 BY HARRY BREARLEY



STAINLESS STEEL ERW POLISHED PIPES & TUBES.

AT **CRIZAL TUBE**, we know how to put a beautiful finish on stainless steel pipes and tubes, true mirror finished stainless steel pipes are getting difficult to find and the polish pipe that is available isn't always finished to a true mirror finish. Certain projects require the deep luster of highly polished, mirror finished stainless steel pipes and tubes that is meticulously polished to a true mirror finish. That is where CRIZAL TUBE excels.

Polishing stainless steel pipes creates a uniform and consistent surface finish vital for architectural applications for structural and aesthetic reasons, tank manufacturers and OEM's supplying products to chemical and pharmaceutical industries.

CRIZAL TUBE manufactures pipes and tubes from JINDAL STAINLESS LIMITED coils only.

Each and every pipe and tube is packed in a thick plastic sleeve which is just perfect to withstand any movement defects, scratch resistance, and long time preservation.



SIZE RANGE	THICKNESS	GRADE	FINISH
½" OD 12.7 MM OD TO 3" OD 76.2 MM OD	0.90 MM	JINDAL JT	GRIT 200
	1.15 MM	JINDAL J4	GRIT 400
12 MM X 12 MM TO 80 MM X 40 MM	1.45 MM	304/304L	GRIT 600
	2.00 MM	316/316L	GRIT 800
			GRIT 1000
			GRIT 1200
			GRIT 1500

TOUCHING STAINLESS STEEL WILL REMOVE THE ODOR OF GARLIC AND ONION FROM YOUR HANDS. THEY EVEN SELL BARS OF STAINLESS STEEL "SOAP", WHICH IS JUST A BAR OF STAINLESS STEEL TO RUB ON YOUR HANDS.



OTHER SUPPLIES

PIPES & TUBES

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel: ASTM A53 GR. B / A106 GR. B / API 5L GR. B / API 5L GR. X42 / 46 / 52 / 56 / 60 / 65 / 70 / A333 GR. 3 / GR. 6 etc.

Alloy Steel: ASTM A335 GR. P1 / P5 / P9 / P11 / P22 / P91 etc.

Others: Duplex, Super Duplex, Inconel, Monel, Hastelloy, Nickel, Alloy 20, 254 SMO, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Types: Round, Square, Rectangular.

Size: Up to 24" NB. (Seamless & Welded)

Wall Thickness: Sch. 5S to Sch. XXS

BUTT-WELD FITTINGS

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel: ASTM A234 WP8 / A420 WPL3 / A420 WPL6 / MSS-SP-75 WPHY 42 / 46 / 52 / 56 / 60 / 65 / 70

Alloy Steel: ASTM A234 WP1 / WPS / WP9 / WP11 / WP22 / WP91 / AISI 4130 / AISI 4140

Others: Duplex, Super Duplex, Inconel, Monel, Hastelloy, Nickel, Alloy 20, 254 SMO, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Types: Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Cross, Insert etc.

Size: 1/4" NB TO 32" NB. (Seamless & Welded)

Wall Thickness: Sch. 5S To Sch. XXS.

FORGED FITTINGS

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel: ASTM A105 / A350 LF2, etc.

Alloy Steel: ASTM A182 F1 / F5 / F9 / F11 / F22 / F91 / AISI 4130 / AISI 4140

Others: Duplex, Super Duplex, Inconel, Monel, Hastelloy, Nickel, Alloy 20, 254 SMO, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Types: Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Sange Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Parraler Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Weldolet, Elbolet, Sockolet, Thredolet, Nipolet, Latrolet, etc.

Size: 1/4" NB TO 4" NB. (Socketweld & Threaded)

Class: 300R, 600R, 900R.

FLANGES

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel: ASTM A105 / A350 LF2, etc.

Alloy Steel: ASTM A182 F1 / F5 / F9 / F11 / F22 / F91 / AISI 4130 / AISI 4140

Others: Duplex, Super Duplex, Monel, Nickel, Inconel, Hastelloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Types: Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, etc.

Size: 1/2" NB TO 24" NB.

Class: 150R, 300R, 400R, 600R, 900R, 1500R & 2500R.

FASTENERS

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Alloy Steel: A193 Gr. B7 / A194 Gr. 2H / A193 Gr. B16 / A194 Gr. 7 / 4.6 / 5.6 / 6.6 / 8.8 / 10.9 & 12.9 / 'R' / 'S' / 'T' Conditions.

Carbon Steel: Bare Condition, Galvanized, Phosphatised, Cadmium Plated, Hot Deep Galvanized, Bloodied, Nickel Chrome Plated, etc.

Non Ferrous Metal: Duplex, Super Duplex, Copper, Brass, Aluminium, Titanium, Nichrome, Al. Bronze Phosphorous Bronze, etc.

Types: Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Screw, Fine Fasteners & Spares, Foundation Fasteners, etc.

SHEETS, PLATES & BARS

Stainless Steel: ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 316H / 317 / 317L / 321 / 321H / 310 / 347 / 347H / 904L etc.

Carbon Steel: ASTM A105 / ASTM A350 LF2 / A516 Gr. 70 / IS 2062

Alloy Steel: ASTM A182 / A387 / Gr. F1 / F5 / F9 / F11 / F22 / F91

Others: Duplex, Super Duplex, Monel, Nickel, Inconel, Hastelloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.



THE ST. LOUIS ARCH IN U.S.A. IS COVERED IN 886 TONS OF STAINLESS STEEL

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STAINLESS STEEL PIPE DIMENSION AS PER ASTM AND WEIGHT-KG. PER MTR. (ANSI B 36.19-1965)

Nominal Bore		Outside Diameter		Schedule 5S		Schedule 10S		Schedule 20S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XXS		
mm	Inch	Inch	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)	Wt mm	Weight (Kg/m)
3	1/8	10.3	1.2	0.26	1.24	0.28	1.5	0.33	1.73	0.37	2.41	0.47	-	-	-	-	-	-
6	1/4	13.7	1.2	0.37	1.65	0.49	2.00	0.58	2.24	0.63	3.02	0.80	-	-	-	-	-	-
10	3/8	17.1	1.2	0.47	1.65	0.63	2.00	0.74	2.31	0.84	3.20	1.10	-	-	-	-	-	-
15	1/2	21.3	1.65	0.80	2.11	1.00	2.30	1.07	2.77	1.27	3.73	1.62	4.76	1.94	7.47	2.55	-	-
20	3/4	26.7	1.65	1.02	2.11	1.28	2.55	1.52	2.87	1.69	3.91	2.20	5.56	2.90	7.82	3.64	-	-
25	1	33.4	1.65	1.30	2.77	2.09	3.00	2.25	3.38	2.50	4.55	3.24	6.35	4.24	9.09	5.45	-	-
32	1.1/4	42.2	1.65	1.65	2.77	2.70	3.0	2.90	3.58	3.39	4.85	4.47	6.35	5.61	9.70	7.77	-	-
40	1.1/2	48.3	1.65	1.91	2.77	3.11	3.00	3.35	3.68	4.05	5.08	5.41	7.14	7.25	10.15	9.55	-	-
50	2	60.3	1.65	2.39	2.77	3.93	3.00	4.24	3.91	5.44	5.54	7.48	8.74	11.11	11.07	13.44	-	-
65	2.1/2	73.0	2.11	3.69	3.05	5.26	4.00	6.81	5.16	8.63	7.01	11.41	9.53	14.91	14.02	20.39	-	-
80	3	88.9	2.11	4.51	3.05	6.45	4.00	8.37	5.49	11.29	7.62	15.27	11.10	21.30	15.24	27.68	-	-
100	4	114.3	2.11	5.84	3.05	8.36	4.50	12.18	6.02	16.07	8.56	22.32	13.49	33.54	17.12	41.03	-	-
125	5	141.3	2.77	9.47	3.40	11.57	5.00	16.80	6.55	21.80	9.53	30.97	15.88	49.11	19.05	57.43	-	-
150	6	168.3	2.77	11.32	3.40	13.82	6.35	25.36	7.11	28.26	10.97	42.58	18.25	67.53	21.95	79.22	-	-
200	8	219.1	2.77	14.78	3.76	19.96	6.35	33.31	8.16	42.55	12.70	64.64	23.01	111.27	22.23	107.92	-	-
250	10	273.1	3.40	22.61	4.19	27.78	6.35	41.77	8.27	60.31	12.70	81.55	28.58	172.33	25.40	155.15	-	-
300	12	323.8	3.96	31.24	4.57	36.00	6.35	49.70	9.53	73.85	12.70	97.43	33.32	238.68	25.40	186.90	-	-
350	14	355.6	3.96	34.34	4.76	41.3	7.92	67.90	9.53	82.367								
400	16	406.4	4.19	41.56	4.78	47.34	7.92	77.83	9.53	94.457								
450	18	457.2	4.19	46.81	4.78	53.32	7.92	87.74	9.53	106.547								
500	20	508.0	4.78	59.31	5.54	68.64	9.53	117.14	9.53	117.14								
600	24	610.0	5.54	82.57	6.35	94.52	9.53	114.11	9.53	141.11								
650	26	660.4					12.70	205.97	9.53	155.32	12.70	222.13						
700	28	711.2					12.70	222.13	9.53	167.44	12.70	238.28						
750	30	762.0	6.35	120.15	7.92	149.55	12.70	238.28	9.53	179.56	12.70	254.44						
800	32	812.8					12.70	254.44	9.53	191.69	12.70	270.50						

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Web : www.crizaltube.com



FORMULA OF CALCULATING WEIGHT

1) Weight of Stainless Steel Pipe

O. D. (mm) - W. Thick (mm) X W. Thick (mm) X 0.0248 = Wt. Per Mtr.
O. D. (mm) - W. Thick (mm) X W. Thick (mm) X 0.00756 = Wt. Per Feet

2) Weight of Stainless Steel Round Bar

O. D. (mm) X Dia (mm) X 0.00623 = Wt. Per Mtr.
O. D. (mm) X Dia (mm) X 0.0019 = Wt. per Feet

3) Weight of Stainless Steel Square Bar

Dia (mm) X Dia (mm) X 0.00788 = Wt. per Mtr.
Dia (mm) X Dia (mm) X 0.0024 = Wt. per Feet

4) Weight of Stainless Steel Hexagonal Bar

Dia (mm) X Dia (mm) X 0.00680 = Wt. per Mtr.
Dia (mm) X Dia (mm) X 0.002072 = Wt. per Feet

5) Weight of Stainless Steel Flat Bar

Width (mm) X Thickness (mm) X 0.00798 = Weight per Mtr.
Width (mm) X Thickness (mm) X 0.00243 = Weight per Feet

6) Weight of Stainless Steel Sheets & Plates

Length (Mtrs) X Width (Mtrs) X Thick (mm) X 8 = Weight per PC
Length (Feet) X Width (Feet) X Thick (mm) X 3/4 = Weight per PC

7) Weight of Stainless Steel Circle

Dia (mm) X Dia (mm) X Thck (mm) / 160 = Gms. per PC
Dia (mm) X Dia (mm) X Thck (mm) X 0.0000063 = Kg. per PC



THE CHROMIUM ACTUALLY COMBINES WITH OXYGEN TO FORM A PROTECTIVE LAYER OVER THE STAINLESS STEEL WHICH CAUSES IT TO RUST SLOWER.
THERE ARE OVER 150 GRADES OF STAINLESS STEEL



MANUFACTURER OF :

EFW ROUND & HOLLOW SECTION PIPES
ERW POLISH PIPES & TUBES

SUPPLIER OF :

OTHER FERROUS & NON FERROUS METALS

Unit 1 (EFW PIPE UNIT)

I-14 to 25, Balaji Industrial Park,
Behind Hindalco Colony,
Taloja MIDC, Panvel - 410 208. INDIA.

Unit 2 (ERW PIPES & TUBES UNIT)

1607/4, Near Edr, Village - Mahi,
Taluka - Vadgam,
District - B. K, North Gujarat - 385 520.

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