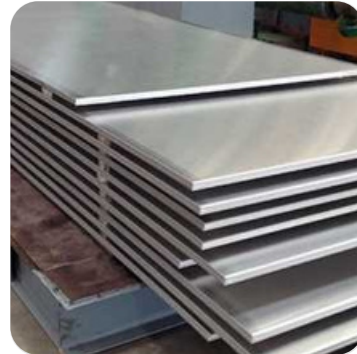


Absolute Steelworthy



ELITE STEELS INC



ELITE STEELS INC

Company Profile

Elite Steels Inc. is a Mumbai-based steel manufacturing and trading company dedicated to delivering high-quality steel solutions for industrial, commercial, and infrastructure requirements across India. Our operations integrate manufacturing capability with efficient sourcing and distribution, enabling us to provide consistent quality, competitive pricing, and dependable service.

We specialize in the manufacturing and supply of MS pipes, steel sheets, structural sections, and industrial fittings, serving fabricators, contractors,

builders, and engineering companies. Every product is developed and supplied with a strong focus on precision, durability, and compliance with industry standards, ensuring reliable performance in demanding applications.

At **Elite Steels Inc.**, we believe in transparent business practices, timely execution, and customer-focused solutions. By understanding the specific needs of each client, we aim to deliver value-driven steel products that support operational efficiency and long-term project success. Our commitment to integrity, performance, and continuous improvement forms the foundation of lasting business relationships.



Quality Policy

At **Elite Steels Inc.**, quality is the foundation of everything we do. We are committed to manufacturing and supplying steel products that consistently meet customer expectations, applicable standards, and regulatory requirements. Our quality

policy is based on precision, reliability, and continuous improvement.

We maintain strict quality control at every stage—from raw material selection and manufacturing processes to final inspection and dispatch. Through skilled workmanship, effective systems, and ethical business practices, we ensure that every product is durable, accurate, and fit for purpose.

We continuously enhance our processes, train our team, and refine our operations to improve product performance and customer satisfaction. Our objective is not only to meet quality standards but to exceed them, building long-term partnerships founded on trust, consistency, and value.



“Elite Steels Inc. – Strength Crafted with Precision.”





Product Range

S. S. PIPE & TUBES



Stainless Steel Pipe : ASTM A 312 TP 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/310/ 347/ 904L etc.

Stainless Steel Tube : ASTM A 213/TP 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/310/ 347/ 904L etc.

High Nickel Alloy : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

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

Types : Round , Square, Rectangular.

Size : Upto 48" NB. (Seamless & Welded)

Wall Thickness : Sch. 5S to Sch. XXS

S. S. SHEET & PLATE

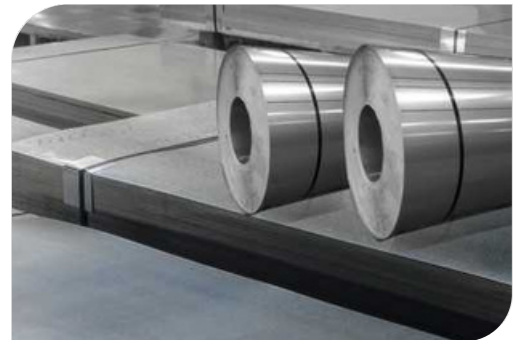
Stainless Steel Sheets & Plates as per : ASTM A240, Gr. TP 304, 304L, 304H, 304LN, 309, 309S, 309H, 310S, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 409, 410, 420, 430 etc.

Alloy Steel Plates as per : ASTM A 387 Gr. 2,5,9,11, 12 & 22 in class 1 & 2 : ASTM A 204, Gr. A & B DIN 17175, Gr. 15Mo3 & 16Mo3 with IBR Test Certificate.

Carbon Steel/ Boiler Quality Plates : as per IS 2062 Gr. A, B & C, IS 2002 Gr. 1 & 2, ASTM A516 Gr.60 & 70, ASTM A515 Gr.70

Abrasion Resistant Steel Plates : 400, 450, 500 (SAILHARD, TISCRA, JISCRA, HARDOX, DILLIBUR, ABRASO, RAEX, FORA, CREUSBRO)

High Tensile Steel Plates : Sailma 350, S275J2G3, S355J2G3, S355JR



Buttweld Fittings

Stainless Steel : ASTM A403 WP 304/ 304L/ 304H/316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.

High Nickel Alloy : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Alloy Steel : ASTM A234 WP1/ WP5/ WP9/ WP11/ WP22/ WP91 etc.

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

Size : 1/4" NB TO 72" NB. (Seamless & Welded)

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





Product Range

FLANGES



Stainless Steel : ASTM A182 F304/304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.

High Nickel Alloy : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Alloy Steel : ASTM A182 F1/ F5/ F9/ F11/ F22/ F91 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 : 150#, 300#, 400#, 600#, 900#, 1500# & 2500#.

ROUND BARS

Stainless Steel : ASTM A 276, A 314, A 582, A 479 & A 484 Gr. TP 304, 304L, 304H, 304LN, 309, 309S, 309H, 310S, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 409, 420, 430, 440 etc.

Alloy Steel Bars : ASTM A 182 Gr. F1, F2, F5, F9, F11, F12, F22, F91 etc.

Carbon Steel Bars : ASTM A 105 & IS 2062 Gr. A & B.

Types : Round, Square, Hexagon, Circles & Blanks



FASTENERS



Stainless Steel : AISI 302, 304, 304L, 316, 316L, 310, 317, 317L, 321, 347, 410, 420, 904L etc.

High Nickel Alloy : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.

Alloy Steel : 4.6, 5.6, 6.6, 8.8, 10.9 & 12.9 / 'R', 'S', 'T' Conditions.

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

Non Ferrous Metal : 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.



Product Range



M S PIPE ERW

Carbon Steel ERW Pipes & Tubes : as per ASI 239 iS Light / Medium / Heavy duty & IS 3589 Fe 330/410 IS 1161

Carbon Steel ERW & Seamless Heat Exchanger Tubes : as per BS 3059 Part I Gr. 320, BS 3059 Part II Gr.360, 440 & 620 with IBR Test Certificate.

MS ERW & Hot Dipped Galvanised (G.I.) ERW Pipes as per IS 1239 & IS 3589 Gr. Fe 330 & 410.

SAW / EFW Pipes : as per ASTM A 53 Gr. B, API 5L, Gr. B & ASTM A 671, 672 & 692 in all Class with IBR Test Certificate.

C S PIPE : - SMLS (with IBR or Non IBR)

Carbon Steel : ASTM / ASME A 53 GR. A & B, ASTM A 106 GR. A, B & C. API 5L GR. B, API 5L X 42, X 46, X 52, X 60, X 65 & X 70. ASTM / ASME A 691 GRA, B & C

LTCS : ASTM A 333 G 66/Gr. 1 with IBR

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

Types : Round, Square, Rectangular.

Size : Upto 24" NB. (Seamless)



ANGLE & CHANNEL

Size

Sizes of Angles :

- 20mm to 150mm, in Thk = 3mm to 12mm

Sizes of Channels :

- 20mm to 500mm, in Thk = 3mm to 50mm

Grades

Stainless Steel : 304/304L, 316/316L/316Ti, 321, 310/310S, 317/317L, 347, 17-4Ph, 15-5Ph, 904L, 410, 420, 430, 431, 430F, 416, 440C etc.

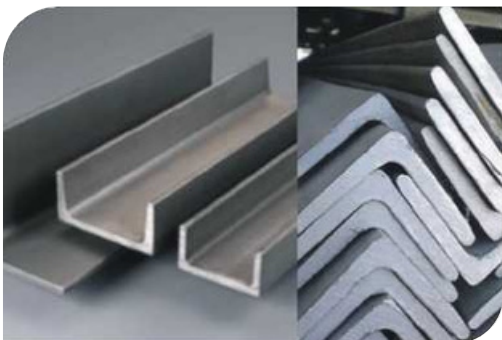
Copper, Brass, Aluminium, Hast Alloy, Titanium, Monel, Inconel, Nickel, etc.

Duplex Steel : UNS 31803, UNS32205, UNS 32750, UNS 32760

Alloy Steel : F5, F9, F11, F22, F91.

Carbon Steel, Mild Steel, (EN Series)

Specification : ASTM, AISI, ASME, DIN, UNS etc.





Chemical Composition of Stainless Steel

Stainless Steel is essentially a low carbon steel which contains chromium at 10% or more by weight. It is this addition of chromium that gives the steel its unique stainless corrosion resisting Properties. The corrosion resistance and other useful properties of the steel are enhanced by increased chromium content and the addition of other elements such as molybdenum, nickel and nitrogen

Chemical Composition of Stainless Steel										Nearest Equivalent Specification		
USN NO.	AISI Grade	C Max	Mn Max	P Max	S Max	Si Max	Cr	Ni	Mo	Cu	I.S.	Other Element

Austentic

S20100	201	0.15	5.5/7.5	0.06	0.03	1	16.0/18.0	3.5/5.5	-	-	-	-
S20200	202	0.15	7.5/10	0.06	0.03	1	17.0/19.0	4.0/6.0	-	-	-	-
S30100	301	0.15	2.0max	0.045	0.040	1.0	16.0/18.0	6.0/8.0	-	-	10Cr17Ni7	-
S30200	302	0.15	2.0	0.045	0.030	1.0	17.0/19.0	8.0/10.0	-	-	07Cr18Ni9	E-4-3-4%
S30300	303	0.15	2.0	0.045	0.15 min	1.0	17.0/19.0	8.0/10.0	-	-	15Cr18Ni9	E-4-1%Max
S30400	304	0.08	2.0	0.045	0.030	1.0	18.0/20.0	8.0/10.0	-	-	04Cr18Ni10	-
S30403	304L	0.030	2.0	0.045	0.030	1.0	18.0/20.0	8.0/12.0	-	-	02Cr18Ni11	-
S30453	304LN	0.030	2.0	0.045	0.030	0.75	18.0/20.0	8.0/11.0	-	-	-	-
S30409	304H	0.05	2.0	0.045	0.03	1	18.0/20.0	8.5/9.5	-	-	-	CU:-2-2.50
S30900	309	0.20	2.0 max	0.045	0.030	1.0	22.0/24.0	12.0/15.0	-	-	20Cr24Ni12	-
S30908	309S	0.08	2.0	0.045	0.030	1.0	22.0/24.0	12.0/15.0	-	-	-	-
S31009	310H ^d	0.25	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	10Cr25Ni12	-
S31008	310S	0.08	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	-	-
S31600	316	0.08	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	04Cr17Ni12Mo2	-
S31603	316L	0.030	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	03Cr17Ni12Mo2	-
S31653	316LN	0.030	2.0	0.045	0.030	0.75	16.0/18.0	10.0/14.0	2.0/3.0	-	-	-
S31635	316Ti	0.080	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	-	Ti5xCmin
S31700	317	0.08	2.0	0.045	0.030	1.0	18.0/20.0	11.0/15.0	3.0/4.0	-	-	-
S31703	317L	0.030	2.0	0.045	0.030	1.0	18.0/20.0	11.0/15.0	3.0/4.0	-	-	N:0.10/0.22
S31753	317LN	0.03	2.0	0.045	0.03	1	18.0/20.0	11.0/15.0	3.0/4.0	-	-	N:0.10/0.22
S32100	321	0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	-	04Cr18Ni10Ti20	Ti5xCmin
S34700	347	0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	-	04Cr18Ni10Nb-40	Nb/Ta10xCmin
N08904	904L ^e	0.02	2.0	0.045	0.035	1	19.0/23.0	23.0/28.0	4.0-5.0	-	-	CU : 1-2

Ferritic

S41000	410	0.15	1.00	0.040	0.030	1.0	11.50-13.50	0.75	...	...	...	...
S41008	410S	0.08	1.00	0.040	0.030	1.0	11.50-13.50	0.60	...	...	...	...
S42900	429 ^g	0.12	1.00	0.040	0.030	1.0	14.00-16.00	...	...	...	...	...
S43000	430	0.12	1.00	0.040	0.030	1.0	16.00-18.00	0.75	...	...	...	...
S43035	439	0.07	1.00	0.040	0.030	1.0	17.00-19.00	0.050	...	0.04	...	Ti 0.20 + 4 (C+N) min ; 1.10 max Al 0.15max
S44400	444	0.025	1.00	0.040	0.030	1.0	17.5-19.5	1.00	1.75-2.50	0.035	...	Ti+Cb 0.20+4 (C+N min)
	409L	≤ 0.030	≤ 1.00	≤ 1.00	-	-	-	10.50~11.75	~	-	-	Ti 6 X C-0.75

Duplex & Super Duplex

S31803	---	0.030	2.00	0.030	0.020	1.0	21.0-23.0	4.5-6.5	2.5-3.5	---	0.08-0.20	---
S32550	255 ^g	0.040	1.50	0.040	0.030	1.0	24.0-27.0	4.5-6.5	2.9-3.9	1.50-2.50	0.10-0.25	---
S32750	2507	0.030	1.20	0.035	0.020	0.8	24.0-26.0	6.0-8.0	3.0-5.0	0.50	0.24-0.32	---
S32760	---	0.030	1.00	0.030	0.010	1.0	24.0-26.0	6.0-8.0	3.0-4.0	0.50-1.00	0.20-0.30	W 0.50-1.00

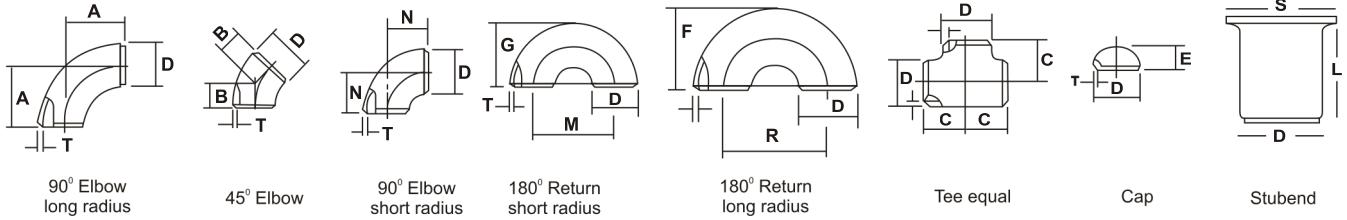


Stainless Steel Pipe Dimension as per ASTM and Weight-kg. per Mtr. (ANSI B 36.19-1965)

Nominal Bore		Outside Diameter	Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XX ^S	
mm	INCH	mm	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.390	1.65	0.49	2.24	0.631	3.02	0.80	-	-	-	-
10	3/8	17.1	1.24	0.490	1.65	0.63	2.31	0.845	3.20	1.10	-	-	-	-
15	1/2	21.3	1.65	0.800	2.11	1.00	2.77	1.27	3.75	1.62	4.75	1.94	7.47	2.55
20	3/4	26.7	1.65	1.03	2.11	1.28	2.87	1.68	3.91	2.20	5.54	2.89	7.82	3.63
25	1	33.4	1.65	1.30	2.77	2.09	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	3.56	3.38	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	3.68	4.05	5.08	5.41	7.14	7.25	10.16	9.54
50	2	60.3	1.65	2.40	2.77	3.93	3.91	5.44	5.54	7.48	8.74	11.1	11.07	13.44
65	2.1/2	73.0	2.11	3.69	3.05	5.26	5.16	8.63	7.01	11.4	9.53	14.9	14.2	20.39
80	3	88.9	2.11	4.51	3.05	6.45	5.49	11.30	7.62	15.2	11.1	21.3	15.24	27.65
100	4	114.3	2.11	5.84	3.05	8.36	6.02	16.07	8.56	22.3	13.49	33.54	17.12	41.03
125	5	141.3	2.77	9.47	3.40	11.57	6.55	21.8	9.53	31.97	15.88	49.11	19.05	57.43
150	6	168.3	2.77	11.32	3.40	13.84	7.11	28.3	10.97	42.7	18.2	67.56	21.95	79.22
200	8	219.1	2.77	14.79	3.76	19.96	8.18	42.6	12.7	64.6	23.0	111.2	22.23	107.8
250	10	273.1	3.40	22.63	4.19	27.78	9.27	60.5	12.7	96.0	28.6	172.4	25.40	155.15
300	12	323.9	3.96	31.25	4.57	36.00	9.52	73.88	12.7	132.0	33.32	238.76	25.40	186.97
350	14	355.6	3.96	34.36	4.78	41.3	11.13	94.59	19.05	158.08	35.71	281.70	-	-
400	16	406.4	4.19	41.56	4.78	47.29	12.7	123.30	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.80	4.78	53.42	14.27	155.80	23.8	254.36	45.71	466.40	-	-
500	20	508.0	4.78	59.25	5.54	68.71	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	17.48	255.41	30.96	442.08	59.54	808.22	-	-
650	26	660.4			7.92	129.40	9.53	155.32	12.70	205.97	-	-	-	-
700	28	711.2			7.92	139.47	9.53	167.44	12.70	222.13	-	-	-	-
750	30	762.0	6.35	120.15	7.92	149.55	9.53	179.56	12.70	238.28	-	-	-	-
800	32	812.8	-	-	7.92	159.62	9.53	191.69	12.70	254.44	-	-	-	-
850	34	863.6	-	-	7.92	169.64	9.53	203.74	12.70	270.50	-	-	-	=
900	36	914.4	-	-	7.92	179.77	9.53	215.93	12.70	286.75	-	-	-	-



Butt Weld Pipe Fitting Dimensional Standard ANSI B-16.9 / B-16.28

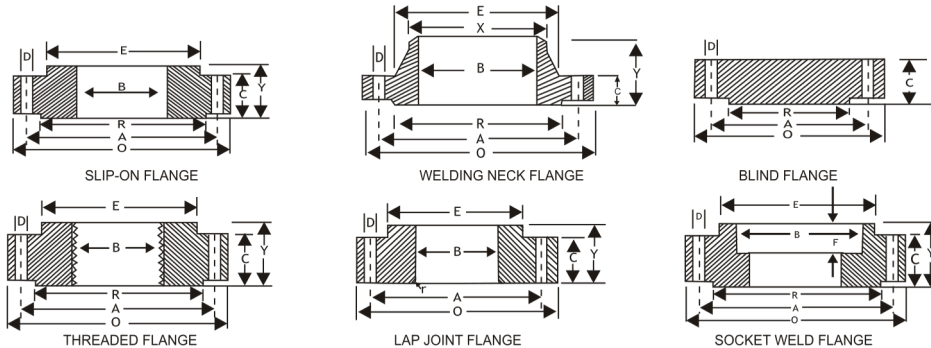


Nominal Pipe Size		Outside Diameter	Center to Face				Back to Face			Center to Center			Length 'L'	
Inch.	mm	D	A	B	C	N	E	F	G	R	M	S	L	L
1/2	15	21.3	38.00	16.0	25.0	—	25.0	48.0	—	76.0		35.0	50.8	76.2
3/4	20	26.7	29.00	11.0	29.0	—	25.0	43.0	—	57.0		43.0	50.8	76.2
1	25	33.4	38.00	22.0	38.0	25.0	38.0	56.0	41.0	76.0	51.0	51.0	50.8	101.6
1.1/4	32	42.2	48.00	25.0	48.0	32.0	38.0	70.0	52.0	95.0	64.0	64.0	50.8	101.6
1.1/2	40	48.3	57.15	29.0	57.0	38.0	38.0	83.0	62.0	114.0	76.0	73.0	50.8	101.6
2	50	60.3	76.00	35.0	64.0	51.0	38.0	106.0	81.0	152.0	102.0	93.0	63.5	152.4
2.1/2	65	73	95.25	44.0	76.0	64.0	38.0	132.0	100.0	191.0	127.0	105.0	63.5	152.4
3	80	88.9	114.30	51.0	86.0	76.0	51.0	159.0	121.0	229.0	152.0	127.0	63.5	152.4
3.1/2	90	101.6	133.35	57.0	95.0	89.0	64.0	184.0	140.0	267.0	178.0	140.0	76.2	152.4
4	100	114.3	152.0	63.0	105.0	102.0	64.0	210.0	159.0	305.0	203.0	157.0	76.2	152.4
5	125	141.3	190.0	79.0	123.0	127.0	76.0	262.0	197.0	381.0	254.0	186.0	76.2	203.2
6	150	168.3	229.0	95.0	143.0	152.0	89.0	313.0	237.0	457.0	305.0	216.0	88.9	203.2
8	200	219.1	305.0	127.0	178.0	203.0	102.0	414.0	313.0	610.0	406.0	270.0	101.6	203.2
10	250	273.1	381.0	159.0	216.0	254.0	127.0	515.0	391.0	762.0	508.0	324.0	127	254
12	300	323.9	457.0	190.0	254.0	303.0	152.0	619.0	467.0	914.0	610.0	381.0	152.4	254
14	350	355.6	533.0	222.0	279.0	356.0	165.0	711.0	533.0	1067.0	711.0	413.0	152.4	305.0
16	400	406.4	610.0	254.0	305.0	406.0	178.0	813.0	610.0	1219.0	813.0	470.0	152.4	305.0
18	450	457.2	686.0	286.0	343.0	457.0	203.0	914.0	686.0	1372.0	914.0	533.0	152.4	305.0
20	500	508	762.0	318.0	381.0	508.0	229.0	1016.0	762.0	1524.0	1016.0	584.0	152.4	305.0
22	550	559	838.0	343.0	419.0	559.0	254.0	1118.0	838.0	1676.0	1118.0	614.4	152.4	305.0
24	600	610	914.0	381.0	432.0	610.0	267.0	1219.0	914.0	1829.0	1219.0	692.0	152.4	305.0
26	650	660	991.0	406.0	495.0	660.0	267.0							
28	700	711	1067.0	438.0	521.0	771.0	267.0							
30	750	762	1143.0	470.0	589.0	762.0	267.0							
32	800	813	1219.0	502.0	597.0	813.0	267.0							
34	850	864	1295.0	533.0	635.0	864.0	267.0							
36	900	914	1372.0	565.0	673.0	914.0	267.0							

T = Wall Thickness



DIMENSIONS OF CLASS 150 & 300 FLANGES as per B 16.5



DIMENSIONS OF CLASS 150 FLANGES AS PER B16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. Of Bolt Holes D	No. Of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	88.9	60.3	15.9	4	11.1	30.2	15.9	47.6	15.9	22.3	22.9	34.9	9.5	21.33
20	98.4	69.8	15.9	4	12.7	38.1	15.9	52.4	15.9	27.7	28.2	42.9	11.1	26.67
25	107.9	79.4	15.9	4	14.3	49.2	17.5	55.6	17.5	34.5	35.0	50.8	12.7	33.40
32	117.5	88.9	15.9	4	15.9	58.7	20.6	57.1	20.6	43.2	43.7	63.5	14.3	42.16
40	127.0	98.4	15.9	4	17.5	65.1	22.2	61.9	22.2	49.5	50.0	73.0	15.9	48.26
50	152.4	120.6	19.0	4	19.0	77.8	25.4	63.5	25.4	62.0	62.5	92.1	17.5	60.31
65	177.8	139.7	19.0	4	22.2	90.5	28.6	69.8	28.6	74.7	75.4	104.8	19.0	73.02
80	190.5	152.4	19.0	4	23.8	107.9	30.2	69.8	30.2	90.7	91.4	127.0	20.6	88.90
100	228.6	190.5	19.0	8	23.8	134.9	33.3	76.2	33.3	116.1	116.8	157.2	23.8	114.30
125	254.0	215.9	22.2	8	23.8	163.5	36.5	88.9	36.5	143.8	144.5	185.7	23.8	141.30
150	279.4	241.3	22.2	8	25.4	192.1	39.7	88.9	39.7	170.7	171.4	215.9	27.0	168.27
200	342.9	298.4	22.2	8	28.6	246.1	44.4	101.6	44.4	221.5	222.2	269.9	31.7	219.07
250	406.4	361.9	25.4	12	30.2	304.8	49.2	101.6	49.2	276.3	277.4	323.8	33.3	273.05
300	482.6	431.8	25.4	12	31.8	365.1	55.6	114.3	55.6	327.1	328.2	381.0	39.7	323.85
350	533.4	476.2	28.6	12	34.9	400.0	57.1	127.0	79.4	359.1	360.2	412.7	41.3	355.60
400	596.9	539.7	28.6	16	36.5	457.2	63.5	127.0	87.3	410.5	411.2	469.9	44.4	406.40
450	635.0	577.8	31.7	16	39.7	504.8	68.3	139.7	96.8	461.8	462.3	533.4	49.2	457.20
500	698.5	635.0	31.7	20	42.9	558.8	73.0	144.5	103.2	513.1	514.3	584.2	54.0	508.00
600	812.8	749.3	34.9	20	47.6	663.6	82.5	152.4	111.1	615.9	615.9	692.1	63.5	609.60

DIMENSIONS OF CLASS 300 FLANGES AS PER B16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. Of Bolt Holes D	No. Of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.2	22.3	22.9	34.9	9.5	21.33
20	117.5	82.5	19.0	4	15.9	47.6	25.4	57.1	25.4	27.7	28.2	42.9	11.1	26.67
25	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	27.0	34.5	35.0	50.8	12.7	33.40
32	133.3	98.4	19.0	4	19.0	63.5	27.0	65.1	27.0	43.2	43.7	63.5	14.3	42.16
40	155.6	114.3	22.2	4	20.6	69.8	30.2	68.3	30.2	49.5	50.0	73.0	15.9	48.26
50	165.1	127.0	19.0	8	22.2	84.1	33.3	69.8	33.3	62.0	62.5	92.1	17.5	60.31
65	190.5	149.2	22.2	8	25.4	100.0	38.1	76.2	38.1	74.7	75.4	104.8	19.0	73.02
80	209.5	168.3	22.2	8	28.6	117.5	42.9	79.4	42.9	90.7	91.4	127.0	20.6	88.90
100	254.0	200.0	22.2	8	31.8	146.0	47.6	85.7	47.6	116.1	116.8	157.2	23.8	114.30
125	279.4	234.9	22.2	8	34.9	177.8	50.8	98.4	50.8	143.8	144.5	185.7	-	141.30
150	317.5	269.9	22.2	12	36.5	206.4	52.4	98.4	52.4	170.7	171.4	215.9	-	168.27
200	381.0	330.2	25.4	12	41.3	260.3	61.9	111.1	61.9	221.5	222.2	269.9	-	219.07
250	444.5	387.3	28.6	16	47.6	320.7	66.7	117.5	95.2	276.3	277.4	323.8	-	273.05
300	520.7	450.8	31.7	16	50.8	374.6	73.0	130.2	101.6	327.1	328.2	381.0	-	323.85
350	584.2	514.3	31.7	20	54.0	425.4	76.2	142.9	111.1	359.1	360.2	412.7	-	355.60
400	647.7	571.5	34.9	20	57.2	482.6	82.5	146.0	120.6	410.5	411.2	469.9	-	406.40
450	711.2	628.5	34.9	24	60.3	533.4	88.9	158.7	130.2	461.8	462.3	533.4	-	457.20
500	774.7	685.8	34.9	24	63.5	587.4	95.2	161.9	139.7	513.1	514.3	584.2	-	508.00
600	914.4	812.8	41.3	24	69.8	701.7	106.4	168.3	152.4	615.9	615.9	692.1	-	609.60

Metric values are direct conversion from Inches table of B16.5

Flanges except Lap Joint will be furnished with (1.6 mm) raised face, Which is included in " Thickness" (C) and Length Through Hub (Y).



ELITE STEELS INC

Valves



Material	: Stainless Steel / Duplex / Super Duplex / Nickel Alloy / Carbon Steel / Alloy Steel
Standard	: ASTM / ASME / ANSI / AISI / DIN
Grade	: WCB, WC1, WC6, WC9, LCB, LCC, LC3, C5, C12, CF8, CF8M, CF3, CF3M, CF8C, CN7M, CD4MCu, Hastelloy, Inconel, 304L, 316L, 2205, 2507 etc.
Types	: Gate Valve, Ball Valve, Globe Valve, Butterfly Valve, Check Valve, Cryogenic Valve
Size	: 1/2" to 60"
Class	: 150#, 300#, 600#, 800#, 900#, 1500# & 2500#.



ELITE STEELS INC

S. S. Instrumental Ferrule Fittings



Union Elbow



Male Elbow



Female Elbow



Union Tee



Male Run Tee



Male Branch Tee



Female Run Tee



Female Branch Tee



Union Cross



45 Deg. Elbow



Tube end Closure



Bulk Head Elbow



Positionable Male Elbow



Nut Ferrule



Union



Reducing Union



Bulkhead Union



Male Connector



Female Connector



Male Adaptor



Female Adaptor



S. S. Tee / Elbow Ferrule Fittings

- S.S. Union Tee
- S.S. Male Branch Tee
- S.S. Female Branch Tee
- S.S. Male Elbow
- S.S. Cross
- S.S. Valve Body
- S.S. Union
- S.S. Union Tee
- S.S. Male Branch Tee
- S.S. Female Branch Tee
- S.S. Male Elbow
- S.S. Cross
- S.S. Valve Body
- S.S. Union



Design : Double Ferrule Type & Single Ferrule
Size Range : 1/16" Tube OD to 2" Tube OD
End Connection : OD / NPT / BSP / SW / BW
Material : SS 316 / SS 304 / CS / Monel / Brass

Manifold Valves

Design : Two Way, Three Way, Five Way, Manifold Straight & 'T' Type & 'H' Type
End Connection : NPT / BSP / Flange (1/8" to 1")
Material : SS316 / SS304 / CS / Brass / Monel
Pressure Rating : 10,000 psig



WE ALSO SUPPLY YOU FORGED BODY MANIFOLD VALVES

Needle Valves

Needle valves are available in size, range of 1/8" to 1" with Double Ferrules Tube connection and NPT, BSP, BSPT, thread male/female connections with maximum working pressure 10,000 psi. Valves are available in Stainless Steel of all grades, Monel, Brass, C.S. etc.



Syphon Tubes

Type : Stainless Steel 304 & 316 Gr. in U type, Trumpet Type (Pigtail & Coil Type)
Application : Connected between the pressure gauge & process in applications where high temperature above 65 Deg C for e.g., steam. These Syphon Tubes acts as a cooling coil and protects the gauge from high temperature vapors





FORMULA OF CALCULATING WEIGHT

- 1) **Weight of S.S. Pipe**
 $\text{O.D. (mm) - W. Thick (mm) x W. Thick (mm) x 0.0248 = Wt. Per Mtr.}$
 $\text{O.D. (mm) - W. Thick (mm) x W. Thick (mm) x 0.00756 = Wt. Per Feet.}$
- 2) **Weight of S.S. Round Bar**
 $\text{DIA (mm) x DIA (mm) x 0.00623 = Wt. Per Mtr.}$
 $\text{DIA (mm) x DIA (mm) x 0.0019 = Wt. Per Feet.}$
- 3) **Weight of S.S. Square Bar**
 $\text{DIA (mm) x DIA (mm) x 0.00788 = Wt. Per Mtr.}$
 $\text{DIA (mm) x DIA (mm) x 0.0024 = Wt. Per Feet.}$
- 4) **Weight of S.S. Hexagonal Bar**
 $\text{A/F (mm) x A/F (mm) x 0.00680 = Wt. Per Mtr.}$
 $\text{A/F (mm) x A/F (mm) x 0.002072 = Wt. Per Feet.}$
- 5) **Weight of S.S. Flat Bar**
 $\text{Width (mm) x Thick (mm) x 0.00798 = Wt. Per Mtr.}$
 $\text{Width (mm) x Thick (mm) x 0.00243 = Wt. Per Feet.}$
- 6) **Weight of S.S. Sheets & Plates**
 $\text{Length (Mtrs) x Width (Mtrs) X Thick (mm) x 8 = Kg. Per Sheet}$
 $\text{Length (Ft) x Width (Ft) x Thick (mm) x 3/4 = Kg. Per Sheet}$
- 7) **Weight of S. S. Circle**
 $\text{Dia (mm) x Dia (mm) x Thick (mm) } \div 160 = \text{Gms. Per PC}$
 $\text{Dia (mm) x Dia (mm) x Thick (mm) x 0.0000063 = Kg. Per PC}$
- 8) **Weight of Brass Pipe / Copper Pipe**
 $\text{O.D. (mm) - Thick (mm) x Thick (mm) x 0.0260 = Wt. Per Mtr.}$
- 9) **Weight of Lead Pipe**
 $\text{O.D. (mm) - Wt. (mm) x Wt. (mm) x 0.0345 = Wt. Per. Mtr.}$
- 10) **Weight of Aluminium Pipe**
 $\text{O.D. (mm) - Thick (mm) x Thick (mm) x 0.0083 = Wt. Per Mtr.}$
- 11) **Weight of Aluminium Sheet**
 $\text{Length (Mtr.) x Width (Mtr.) x Thick (mm) x 2.69 = Wt. Per PC}$
- 12) **Weight for Conversion of Mtr. To Feet**
 $\text{Weight of 1 Mtr. } \div 3.2808 = \text{Feet}$
- 13) **Formula for Calculating Width of Sheet for making Pipe**
 $\text{Outer DIA - Wall Thickness X 22/7 Width of Sheet}$
- 14) **Formula For Healthy Business**
 $\text{Honesty + Quality of Goods + Quick Service}$
 $\text{+ Reasonable rate = Good Health of Business}$





ELITE STEELS INC

Application Industries



- Food Industries
- Oil & Gas Industries
- Paper & Pulp Industries
- Cement Industries
- Ship Building
- Nuclear Power
- Engineering
- Petro-Chemical
- Beverage
- Chemical & Pharmaceutical
- Sugar Industry
- Railway
- Interior Decoration

Third Party Inspection



Larsen & Toubro Ltd.



Nuclear Power Corp.
of India Ltd.

I.B.R.



Dept. of Atomic Energy



Electromech Engg.

TUV
INDIA



DET NORSKE VERITAS



MIC-INDIA



ELITE STEELS INC

Manufacturer / Stockists & Suppliers in :

Ferrous & Non Ferrous Metals & Industrial Raw Maerials,
S.S. Pipes & Pipe Fittings, Copper, Brass, Aluminium, Gun Metal,
Nickel, Sheets, Plates, Round Rods, Strips & Wire Etc.

Building No.163, Shop No.2, Ground Floor, Gohil Nivas,
Sant Sena Maharaj Marg, 2nd Kumbharwada, Mumbai - 400 004.

+917304680408

+919867901457

elitesteelsinc@gmail.com

