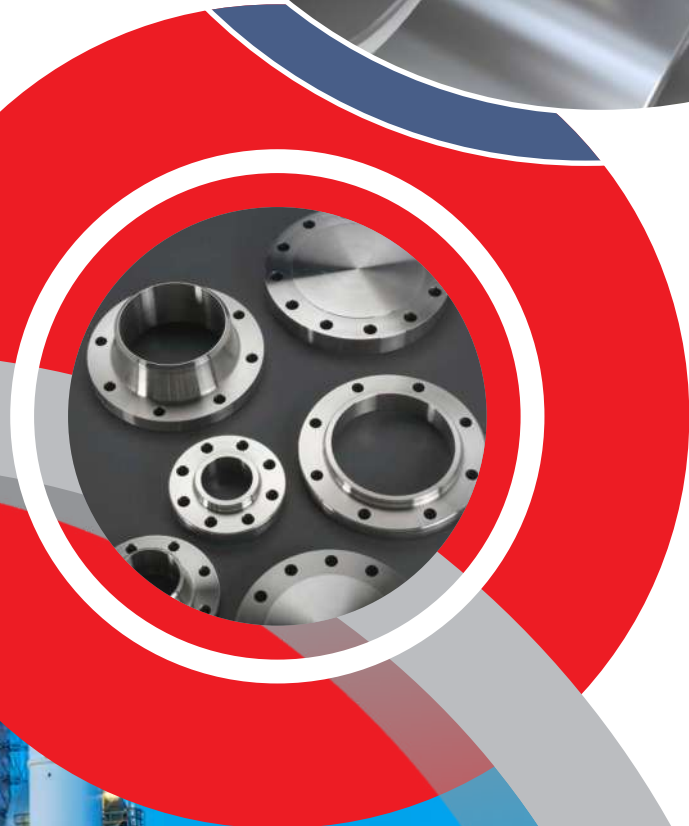
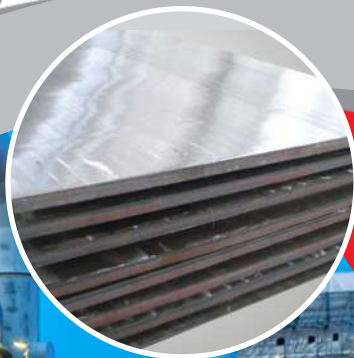




METAL-LINK STEEL AND ALLOYS





Company Profile

METAL-LINK STEEL AND ALLOYS

METAL-LINK STEEL AND ALLOYS is one of the leading supplier of all kinds of stainless steel products. We're the most versatile and efficient manufacturers, importers, exporters and stockists of stainless steel , carbon steel , alloy steel in the shape of pipes, tubes, rods, sheets, plates, wires, angles, coils, strips and entire range of butt weld and socket weld pipe fittings supplying to various core industries like Refineries & Petrochemicals, Oil & Gas, Chemicals & Fertilisers, Cement, Engineering , Construction, Sugar, Nuclear & Thermal, Paper & Pulp.

We have set up our business empire over the last decade serving many core industries all through out most satisfactorily. We have been known for producing our quality products and excellent services. Our quality standards are as per accepted international standards. For more than years now , we have been maintaining an uncompromising attitude towards the quality of our products , state of art, machines, technology, trained manpower coupled with cost effectiveness that will sustain our future growth.

We are also certified and approved by various reputed third party inspection agencies. ISO 9001-2000: Efforts are one full steam to acquire the coveted ISO 9001- 2000 quality assurance certification from reputed agencies.

Quality Assurance

Every manufacturing phase is carried out with modern technique and is under the surveillance of our quality team that ensures all our products meet the national / international standards.

"NO COMPROMISE IN QUALITY" IS OUR MOTTO

Thus, main goal of SSI is high quality products. We have adopted quality analyst personnel to ensure complete satisfaction to our clients. As there is always a scope of betterment we are continually improving upon quality of products.

We have a stringent parameters set for the quality which are followed by all our employees. They see to it that the products are in accordance with the national / international standards.

From the time of procurement of raw material till the final delivery of the products, at every stage, our products are checked for various chemical and mechanical properties using the equipment certified by the Government and its agencies.

Third Party Inspection



Larsen & Toubro Ltd.



Nuclear Power Corp.
of India Ltd.



IBR
Approved



Dept. of Atomic Energy



Electromech Engg.



DET NORske VERITAS



TATA
TATA Project



BUREAU
VERITAS





METAL-LINK STEEL AND ALLOYS

SHEETS/PLATES & COILS DETAILS

S. S. Sheets & Plates as per ASTM A240, Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 348, 3487H, 409, 410, 420, 430 etc.

Alloy Steel Plates : as per ASTM A387 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/ASTM A36, Gr. A, B & C, IS 2002 Gr. 1 & 2 ASTM A 516 Gr. 60 & 70, ASTM A 515 Gr.70

Range: 0.5 mm To 200 mm thick in 1000 mm TO 2500 mm width & 2500 mm to 12500 mm length available with NACE MR 01-75

Titanium : Gr. 1, 2, 5, 7
Tantalum, SMO 254, Alloy - 904L,
Alloy 20, Alloy 330, etc.

Types : Sheet, Plate, Coil

Thickness : 1mm - 200mm

Sheets / Coils / Plate / Sitting and Shims

We are well known for quality supplier of Stainless steel and Carbon steel sheets and plates. We always aim to provide high quality sheets & Plates at most competitive price, high on quality and durability. These sheets and plates are available in different dimensions and material to ensure wider choice to our clients.

Product Range :

Nickel Alloys : 201/200
Monel Alloy : 400/K-500
Inconel : 600, 601, 625, 825, 800 /800H /800HT
Hastalloy : C22, C276, B-2000
**Duplex &
Super Duplex** : UNS-S 31803, UNS-S 32760, UNS-32750

Round Bar / Hex / Square Welding Filler Wire

Size

Bright Bars : From 5mm Dia upto 350mm Dia
Black Bars : From 16mm Dia upto 350mm Dia
Square Bars : From 5mm Dia upto 250mm Dia
Hex Bars : From 5mm Dia upto 150mm Dia
Wires : 0.1mm Dia to 5mm Dia
Welding Electrodes : 2.6mm to 4mm Dia

Size

Sizes of Angles :

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

Sizes of Channels :

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

Specification

Condition : Rolled, Forged,
Annealed, Picked,
Hot Rolled, Cold Roll

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.

Nickel Alloys : 201/200 Monel Alloy : 400/K-500

Inconel : 600, 601, 625, 825, 800 /800H /800HT

Hastalloy : C22, C276, B-2000

Titanium : Gr.1, 2, 5, 7, Tantalum SMO 254, Alloy - 904L, Alloy 20, 330, etc.

Size : 0.5mm to 5mm

Welding Filler Wire





METAL-LINK STEEL AND ALLOYS

PRODUCT RANGE

Size	: 6 mm OD to 355.60 mm OD
Thickness	: 0.6mm-10mm-Gauge : 22 SWG/BWG to 10 SWG/BWG
Form	: Round, Square, Rectangle, Coil, 'U' Shap
Length	: Standard Length & Cut Length
Stainless Steel Tube	: ASTM A-213, A-249, A269-TP 304/304H/304L, 316/316H/316L/316Ti, TP 309, 310, 317L, 321, 347, 904 L etc.
Low Alloy Steel Tube	: ASTM A 213 - T-11, T-12, T-22, T-5, T-9 etc.

Pipes

Titanium : Gr. 1, 2, 5, 7



Copper & Nickel Alloys pipe

Size	: ½" NB to 10" NB
Standard	: 10S/40S/80S
Copper Nickel	: C70600 (90:10), C71500 (70:30), C71640
Nickel	: UNS N02200, N02201
Monel	: UNS N04400, N05500, Alloy 20
Inconel	: UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy	: UNS N10276, N06022, N10665, N06455

Types Round | Rectangle | Square | Hydraulic

Tubes

Copper & Brass Tube	: ASTM B 188 C11000, C12200, C26000, C27000, C28000
Nickel Alloy Tube	: Nickel, Monel, Inconel, Alloy 20 etc.
Specialize	: Capillary Tube, IBR Tubes, Copper Nickel Tube

Pipes & Tubes

Pipes

Stainless Steel & Duplex Steel Pipe

Size : ½" to 30"

Schedule : Sch. 5 to Sch. XXS

Stainless Steel : ASTM A312, A358 - TP 304/304H/304L/316/316H/316L/316Ti/309/310/317/317L/321/347/904L

Duplex Steel : ASTM A790 - UNS S31803, S32750, S32760, S32205

Alloy Steel, Carbon Steel & LTCS Pipe

Size : 1/2" to 36"

Schedule : Sch. 5 to Sch. XXS

Alloy Steel Pipe : ASTM A335 Gr. P5, P9, P11, P12, P22 & P91

Carbon Steel : ASTM A 106 Gr. B ASTM A53

Low Temp. Pipe : ASTM A 333 Gr. 6

Line Pipe : API 5L, X 42, 46, 52, 56, 60, 70

Mild Steel & Galvanized Pipe : IS 1239, IS 3589

Tubes

Carbon Steel Tube : BS 3059 Gr. 360 / 440, SA 179, SA / ASTM A210 Gr. A1

Copper Nickel Tube : ASTM B111, C70600 (90.10), C71500 (70:30), C71640

Admiralty Brass Tube : ASTM B 111 C44300, C44400, C44500, C68700

Angle / Channel / Flat Bar

Size

Sizes of Angles :

• 20mm to 150mm, in Thk = 3mm to 12mm

Sizes of Channels :

• 20mm to 500mm, in Thk = 3mm to 50mm

Grades

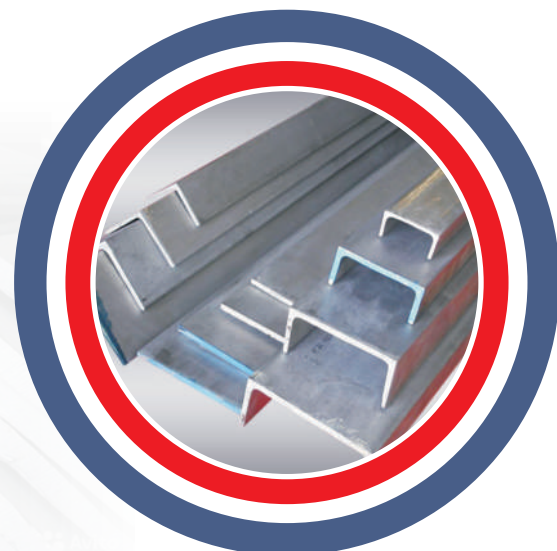
Stainless Steel : 304/304L, 316/316L/316Ti, 321, 310/310S, 317/317L, 347, 17-4Ph, 15-5Ph, 904L, 410, 420, 430, 431, 430F, 416, 440C etc.

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.





METAL-LINK STEEL AND ALLOYS

PRODUCT RANGE

Combining outstanding quality and value, **METAL-LINK STEEL AND ALLOYS** is offering a comprehensive range of Butt weld fittings, Socket weld Fittings, and branch connection fittings. Our reputed engineering process precisely-engineer these fittings in complete compliance with the international quality standards. Further, to fulfill the ever changing demands of our clients, we are offering these fittings in various sizes, designs, grades and other specification. Offered fittings are highly known for their durability and dimensional accuracy.

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



Product Range :

Nickel Alloys	: 201/200
Monel Alloy	: 400/K-500
Inconel	: 600, 601, 625, 825, 800 / 800H / 800HT
Hastalloy	: C22, C276, B-2000
Titanium	: Gr. 1, 2, 5, 7
Duplex & Super Duplex	: UNS-S 31803, UNS-S 32760, UNS-32750, Tantalum, SMO 254, Alloy - 904L, Alloy 20, Alloy 330, etc.
Types	: Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, etc.
.Size	: 1/2" NB TO 40" NB.
Class	: 150#, 300#, 400#, 600#, 900#, 1500# & 2500#.



Butt Weld Fittings

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

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

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

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

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

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

Flanges

FLANGES DETAILS

Materials Grades Available:

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

Carbon Steel: ASTM A105/A694F42/46/52/56/60/65/70/A350 LF3/A350 LF2, etc.

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

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

Types: Our range of include PN , Plate Blank Flanges, Screwed Bars , Spectacle, Blind, Lapped, Reducing , Welded, Socketweld , SORF, Threaded, Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, RTJ Flange

Size: 1/2" NB TO 40" NB.

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



METAL-LINK STEEL AND ALLOYS



Forged Fittings

High Nickel	: Monel, Nickel, Inconel, Hastelloy
Stainless Steel	: ASTM A182, F304, 304L, 304H, 316, 316L, 317, 317L, 321, 310, 347, 904L
Carbon Steel	: ASTM A105, A694, F42, A350 LF2
Alloy Steel	: ASTM A182, F1, F5, F9, F11, F22, F91
Size	: 1/4: NB TO 4" NB
Class	: 2000#, 3000#, 6000#, 9000#

Types : Elbow, Tee, Union, Cross, Coup Bushing, Plug, Swage Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Parraler Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Weldolet, Elbowlet, Sockolet, Thredolet, Nipolet, Letrolet etc.

Fasteners

Duplex & Super Duplex : 347, 310, 303, 304/304H, 316/316L, 317/317L, 17/4PH, 410, 431, Nitronic 50, Nitronic 60, Nitronic 80A

Carbon Steel : 4.6, 8.8, 10.9, 12.9.

Duplex & Super Duplex : UNS S31803, UNS S32750, UNS S32760, UNS S3250, 254 SMO

Hastelloy Alloy : Hastelloy C4, Hastelloy B2, Hastelloy G30, Hastelloy B3, Hastelloy C276, Hastelloy X, Hastelloy C22

Incoloy Alloys : Incoloy Alloy 20, Incoloy Alloy 800, Incoloy Alloy 800H/800HT, Incoloy Alloy 825, Incoloy Alloy 925, Incoloy Alloy A286

Monel Alloys : Monel 400, Monel R405, Monel K500.



- ANCHOR FASTENERS
- HEX HEAD BOLTS
- SOCKET CAPS SCREW
- HEX NUTS
- EYE BOLTS
- WASHERS
- STUB BOLTS
- THREADED RODS
- COUNTERSUNK BOLTS
- FLAT / SPRING / LOCK WASHERS
- FOUNDATION BOLTS
- REFRACTORY ANCHOR



TYPES

Port Connectors Tube to Flare 37 Degree, Tube to Female Pipe Thread, Female Elbow, Male Connector, Male Elbow, Pipe Union, Reducing Adapter, Tube Union, Union Cross, Union Elbow, Union Tee, Ball Valve, Check Valve, Double Block & Bleed Valve, Gauge Valve, Manifold Valve, Mono Flange Valve, Needle Valve, Plug Valve, Pressure Relief Valve, Vent & Bleeder Valve Gauge Snubber, Air Header, Syphon, Condensate Pot.

Instrumentation

Stainless Steel	: A182 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 347, 347H, 904L.
Carbon Steel	: A105
Alloy Steel	: A182 F1, F11, F12, F22, F5, F9, F91, F92.
Duplex Steel	: A181 F51, F60, UNS S31803, UNS S2205
Super Duplex Steel	: A182 F44, F53, F55, SMO 254. UNS S31254, UNS S32750, UNS32760.
High Nickel Alloys	: Nickel 200, 201, Monel K 400 & 500. Inconel 600, 601, 625, 800, 825, Hastelloy C276, Alloy 20.
Non Ferrous	: Copper Brass, Phosphor Brass.



METAL-LINK STEEL AND ALLOYS



DAIRY & SANITARY TUBE FITTINGS

USED FOR DAIRY, BIO-PHARMA & FOOD INDUSTRY (WELDED ENDS / EXPANDED ENDS) BEND, TEE, CROSS, REDUCER, UNION, VALVE CLAMP WITH FERRULE, CLAMP (PIPE HOLDING) WITH COUPLING, NIPPLE & BASE PLATE

RANGE : 1/2" (15 MM) OD to 12" (300 MM) THK OD 16swg, 14swg, 12swg

GRADE : AISI 304, 316, 316L.

STANDARD : SMS, IDF, DIN, ISO, ASME BPE etc.

FINISH : ELECTRO POLISHED / MIRROR / MATT FINISH

T.C FITTINGS FITTINGS

TC BEND, TC TEE, TC REDUCER, TC UNION, TC CLAMPS, TC LINER (FERRULES), TRI-CLOVER STANDARD FITTINGS IS WIDELYUSED IN PHARMACEUTICALS & FOOD INDUSTRIES FOR ITS EASILY OPENING & CLEANING FACILITIES. IT CONSISTS OF TWO LINERS (FERRULES) & CLAMPS WHICH HOLDS BOTH THE LINES TOGETHER. GASKET IS HOUSED BETWEEN THE LINES TO GIVE LEAK PROOF SEALING.

RANGE : ½" (15MM) to 12" (300MM) (SUITABLE FOR OD & NB SIZE PIPE)

GRADE : AISI 304, 316, 316L

STANDARD : ISO, ASME BPE Standard.

FINISH POLISHED : ELECTRO POLISHED / MIRROR / MATT FINISH



FERRULE FITTINGS

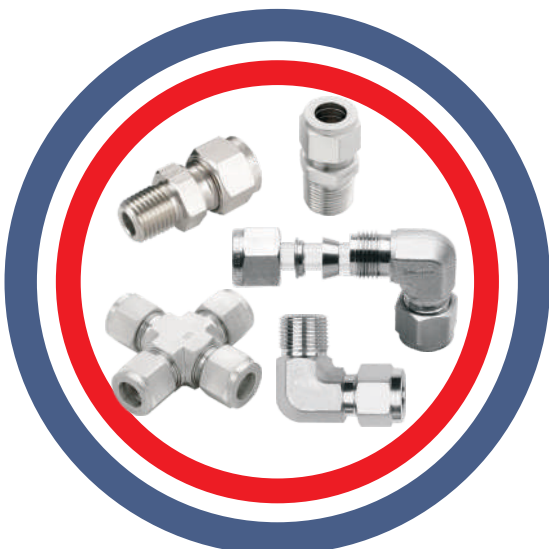
HYDRAULIC, PNEUMATIC, FERRULE & FLARE FITTINGS IN STAINLESS STEEL (F304, 316 & 316L)

TYPE : DOUBLE FERRULE (SWAGEL OK TYPE), SINGLE FERRULE (PARKER TYPE) & DIN2353 (ERMETO TYPE)

SIZE : OD 2 MM to 50 MM (1/16" to 2"), NB 6MM to 40MM (1/4" to 1 1/2")

END CONNECTION : BSP, NPT, BSPT, METRIC, UNF.

Inconel®, Incoloy®, Monel®, Hastelloy®, Duplex® are Registered Trade Marks of their Respective Owners.



C.S / A.S. / S.S PIPE AND TUBES SCHEDULE DIMENSIONS, WALL THICKNESS, WT./MTR. (KG)

NOMINAL PIPE SIZE		SCHEDULE DESIGNATIONS		WALL THICKNESS	WEIGHT
OD	INCH	36.10 & 36.19			
OD	MM	ANSI / ASME		MM	KG / METER
½ 15	0.840 21.3	STD	40s	2.76	1.26
		XS	80 80s	3.73	1.62
		160		4.77	1.95
¾ 20	1.050 26.7	10	10s	2.10	1.27
		STD	40 40s	2.87	1.68
			80 80s	3.91	2.19
		160		5.53	2.88
		XXS		7.82	3.63
1 25	1.315 33.4	5	5s	1.65	1.29
		10	10s	2.76	2.09
		STD	40 40s	3.37	2.50
		XS	80 80s	4.54	3.23
		160		6.35	4.23
1-1/4 32	1.660 42.2	5	5s	1.65	1.64
		10	10s	2.76	2.69
		STD	40 40s	3.55	3.38
		XS	80 80s	4.85	4.46
		160		6.35	5.60
1-1/2 40	1.900 48.3	5	5s	1.65	1.89
		10	10s	2.76	3.10
		STD	40 40s	3.68	4.04
		XS	80 80s	5.08	5.40
		160		7.13	7.23
2 50	2.375 60.3	5	5s	1.65	2.38
		10	10s	2.76	3.93
		STD	40 40s	3.91	5.44
		XS	80 80s	5.53	7.48
		160		8.73	11.11
2-1/2 65	2.875 73.0	5	5s	2.10	3.68
		10	10s	3.04	5.26
		STD	40 40s	5.15	8.63
		XS	80 80s	7.01	11.41
		160		9.52	14.91
3 80	3.55 88.9	5	5s	2.10	4.51
		10	10s	3.04	6.45
		STD	40 40s	5.48	11.28
		XS	80 80s	7.62	15.27
		160		11.12	21.33
3-1/2 90	4.000 101.6	5	5s	2.10	5.17
		10	10s	3.04	7.40
		STD	40 40s	5.74	13.57
		XS	80 80s	8.07	18.62
		XXS		16.15	34.03
4 100	4.500 114.3	5	5s	2.10	5.83
		10	10s	3.04	8.36
		STD	40 40s	6.02	16.07
		XS	80 80s	8.56	22.32
		120		11.12	28.30
		160		13.48	33.53
		XXS		17.12	41.02
5 125	5.563 141.3	5	5s	2.76	9.45
		10	10s	3.40	11.57
		STD	40 40s	6.55	21.77
		XS	80 80s	9.52	30.95
		120		12.70	40.27
		160		15.87	49.10
6 150	6.625 168.3	5	5s	2.76	11.30
		10	10s	3.40	13.83
		STD	40 40s	7.11	28.26
		XS	80 80s	10.97	42.56
		120		14.27	54.21
		160		18.26	67.55
		XXS		21.94	79.18
8 200	8.625 219.1	5		2.76	14.76
		10		3.75	19.96
		20		6.350	33.31
		30		7.036	36.78
		STD	40 40s	8.179	42.53
		60		10.31	53.08
		XS	80 80s	12.70	64.63
		100		15.08	75.89
		120		18.26	90.43
		140		20.62	100.93
		160		23.01	111.26
		XXS		22.27	107.88

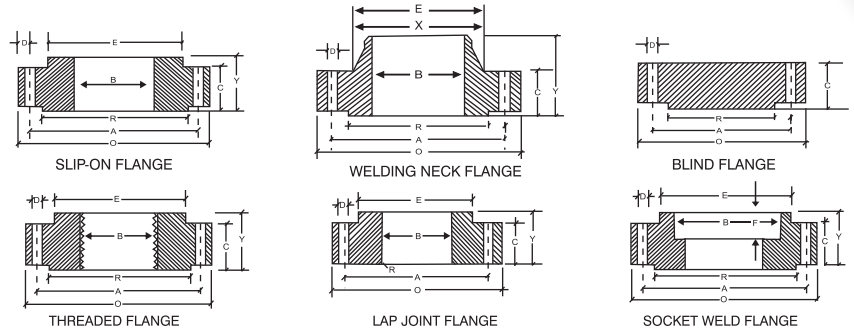
NOMINAL PIPE SIZE		SCHEDULE DESIGNATIONS		WALL THICKNESS	WEIGHT
OD	INCH	ANSI / ASME		MM	KG / METER
OD	MM				
10 250	10.750 273.1		5S	3.40	22.63
			10S	4.19	27.78
		20		6.35	41.76
		30	10S	7.79	51.00
		STD	40 40S	9.27	60.30
		XS	60 80S	12.70	81.53
		80		15.08	95.97
		100		18.26	114.74
		120		21.43	133.01
		140	XXS	25.40	155.11
		160		28.57	172.26
12 300	12.750 323.9		5s	3.96	31.25
			10s	4.57	35.99
		20		6.35	49.71
		30		8.38	65.20
		STD	40s	9.52	73.83
		40		10.31	79.73
		XS	80s	12.70	97.44
		60		14.27	108.97
		80		17.47	132.02
		100		21.43	159.86
		120	XXS	25.40	186.93
		140		28.57	208.06
		160		33.32	238.74
14 350	14.000 355.6		10s	4.77	41.31
		10		6.35	54.68
		20		7.92	67.94
		STD		9.52	81.28
		40	30 40s	11.12	94.50
		XS		12.70	107.38
		60	80s	15.08	126.68
		80		19.05	158.10
		100		23.82	194.92
		120		27.78	224.62
		140		31.75	253.55
		160		35.71	281.71
		16 400	16.000 406.4		10s
10				6.35	62.64
20				7.92	77.87
STD				9.52	93.21
XS	40s			12.70	123.29
60	30 80s			16.66	160.13
80	40			21.43	203.50
100				26.18	245.53
120				30.96	286.65
140				36.52	333.14
160				40.48	365.33
18 450	18.000 457.2		10s	4.77	53.27
		10		6.35	70.59
		20		7.92	87.79
		STD		9.52	105.15
		30	40s	11.12	122.37
		XS		12.70	139.20
		40	80s	14.27	155.91
		60		19.05	205.82
		80		23.82	254.61
		100		29.36	309.78
		120		34.92	363.67
		140		39.67	408.49
		160		45.23	459.56
20 500	20.000 508.0		10s	5.53	68.60
		10		6.35	78.55
		STD	20 40s	9.52	117.08
		XS	30 80s	12.70	155.11
		40		15.08	183.39
		60		20.62	247.87
		80		26.18	311.14
		100		32.53	381.49
24 600	24.000 609.6		10s	6.35	94.46
		STD	20 40s	9.52	140.94
		XS	80s	12.70	186.93
		30		14.27	209.56
		40		17.47	255.16
		60		24.61	355.05
		80		30.96	441.80
		100		38.88	547.28
		120		46.02	639.63
		140		52.37	719.68
		160		59.53	807.58



METAL-LINK STEEL AND ALLOYS

FLANGES

DIMENSIONS OF CLASS 150/300/600 FLANGES AS PER B 16.5



DIMENSIONS OF CLASS 150 FLANGES AS PER B 16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. of Bolt Holes D	No. of Holes	Thk. of Holes 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	170.1	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	415.5	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	457.00
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 B 16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. of Bolt Holes D	No. of Holes	Thk. of Holes 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	20.3	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	38.5	206.4	52.4	98.4	62.4	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	-	457.00
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

DIMENSIONS OF CLASS 600 FLANGES AS PER B 16.5

Nominal Pipe Size	Flange Dia O	Dia of Bolt Circle A	No. of Bolt Holes D	Thk. of Holes	No. of Holes	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	22.3	22.3	22.8	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	28.1	42.9	11.1	26.67
25	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	26.9	34.5	35.0	50.8	12.7	33.40
32	133.3	98.4	19.0	4	20.6	63.5	28.6	66.7	28.4	43.2	43.6	63.5	14.2	42.16
40	155.6	114.3	22.2	4	22.2	69.8	31.7	69.8	31.7	49.5	50.0	73.0	15.8	48.26
50	165.1	127.0	19.0	8	25.4	84.1	36.5	73.0	36.5	62.0	62.4	92.1	17.4	60.31
65	190.5	149.2	22.2	8	28.6	100.0	41.3	79.4	41.1	74.7	75.4	104.8	19.0	73.02
80	209.5	168.3	22.2	8	31.8	117.5	46.0	82.5	45.9	90.7	91.4	127.0	-	88.90
100	273.0	215.9	25.4	8	38.1	152.4	54.0	101.6	53.8	116.1	116.8	157.2	-	114.30
125	330.2	266.7	28.6	8	44.4	188.9	60.3	114.3	60.4	143.8	141.5	185.7	-	141.30
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	66.5	170.7	171.4	215.9	-	168.27
200	419.1	349.2	31.7	12	55.6	273.0	76.2	133.3	76.2	221.5	222.2	269.9	-	219.07
250	508.0	431.8	34.9	16	63.5	342.9	85.7	152.4	111.2	276.3	277.3	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.1	381.0	-	323.85
350	603.2	527.0	38.1	20	69.9	431.8	93.7	165.1	127.0	359.1	360.1	412.7	-	355.80
400	685.8	603.2	41.3	20	76.2	495.3	106.4	177.8	139.7	410.5	411.2	469.9	-	406.40
450	742.9	654.0	44.4	20	82.6	546.1	117.5	184.1	152.4	461.8	462.2	533.4	-	457.20
500	812.8	729.9	44.4	24	88.9	609.6	127.0	190.5	165.1	513.1	514.3	584.2	-	508.00
600	939.8	838.2	50.8	24	101.6	717.5	139.7	203.2	184.1	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters.

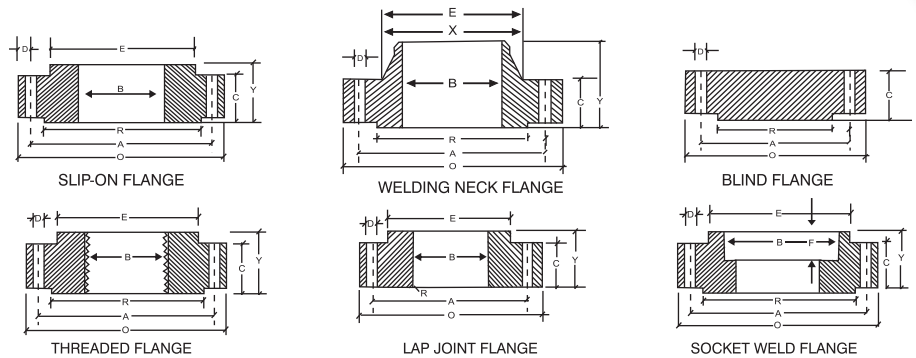
Flanges except Lap Joint Will be furnished with 1.6 mm raised face Class 150/300 & 6.35 mm for Class 600. Which is included in " Thickness" (C) and Length Through Hub (Y).



METAL-LINK STEEL AND ALLOYS

FLANGES

DIMENSIONS OF CLASS 900/1500/2500 FLANGES AS PER B 16.5



DIMENSIONS OF CLASS 900 FLANGES AS PER B 16.5

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	120.6	82.5	22.2	4			
20	130.2	88.9	22.2	4	25.4	44.4	34.9	69.8	35.0	27.7	28.1	42.9	11.1	26.67
25	149.2	101.6	25.4	4	28.6	52.4	41.3	73.0	41.1	34.5	35.0	50.8	12.7	33.40
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73.0	41.1	43.2	43.6	63.5	14.2	42.16
40	177.8	123.8	28.6	4	31.8	69.8	44.4	82.5	44.4	49.5	50.0	73.0	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.9	57.1	101.6	57.1	62.0	62.4	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	2241.3	190.5	25.4	8	38.1	127.0	53.9	101.6	53.8	90.7	91.4	127.0	-	88.90
100	292.1	234.9	31.7	8	44.4	158.7	69.8	114.3	69.8	116.0	116.8	157.1	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	114.5	185.7	-	141.30
150	381.0	317.5	31.7	12	55.6	234.9	85.5	139.7	85.8	170.6	171.4	215.9	-	168.27
200	469.9	393.7	38.1	12	63.5	298.4	101.6	162.0	114.3	221.4	222.2	269.8	-	219.07
250	546.1	469.9	38.1	16	69.8	368.3	107.9	184.1	127.0	276.3	277.3	323.8	-	273.05
300	609.6	533.4	38.1	20	79.3	419.1	117.4	200.0	142.7	327.1	328.1	381.0	-	323.85

DIMENSIONS OF CLASS 1500 FLANGES AS PER B 16.5

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	120.6	82.5	22.2	4			
20	130.2	88.9	22.2	4	25.4	44.4	34.9	69.8	34.9	27.7	28.1	42.9	11.1	26.67
25	149.2	101.6	25.4	4	28.6	52.4	41.3	73.0	41.3	34.5	35.0	50.8	12.7	33.40
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73.0	41.3	43.2	43.6	63.5	14.2	42.16
40	177.8	123.8	28.6	4	31.8	69.8	44.4	82.5	44.4	49.5	50.0	73.0	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.8	57.1	101.6	57.1	62.0	62.0	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	266.7	203.2	31.7	8	47.6	133.3	73.0	117.5	73.0	90.7	91.7	127.0	-	88.90
100	311.1	241.3	34.9	8	54.0	161.9	90.5	123.0	90.4	116.1	116.8	157.2	-	114.30
125	374.6	292.1	41.3	8	73.0	196.8	104.8	155.6	104.8	143.8	144.5	185.7	-	141.30
150	393.7	317.5	38.1	12	82.6	228.6	119.1	171.4	119.1	170.7	171.4	215.9	-	168.27
200	482.6	393.7	44.4	12	92.1	292.1	142.9	212.7	142.8	221.5	222.2	269.9	-	219.07
250	584.2	482.6	50.8	12	107.9	368.3	158.7	254.0	177.8	276.3	277.3	323.8	-	273.05
300	673.1	571.5	54.0	16	123.8	450.8	181.0	282.6	218.9	327.1	328.1	381.0	-	323.85

DIMENSIONS OF CLASS 2500 FLANGES PER B 16.5

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	133.3	88.9	22.2	4			
20	139.7	95.2	22.2	4	31.7	50.8	42.9	79.4	42.9	27.7	27.7	42.9	-	26.67
25	158.7	107.9	25.4	4	34.9	57.1	47.7	88.9	47.7	34.5	34.5	50.8	-	33.40
32	184.1	130.2	28.6	4	38.1	73.0	52.4	95.2	52.4	43.2	43.2	63.5	-	42.16
40	203.2	146.0	31.7	4	44.4	79.4	60.3	111.1	60.3	49.5	49.5	73.0	-	48.26
50	234.9	171.4	28.6	8	50.8	95.2	69.8	127.0	69.8	62.4	62.0	92.1	-	60.31
65	266.7	196.8	31.7	8	57.1	114.3	79.4	142.9	79.4	74.7	74.7	104.8	-	73.02
80	304.8	228.6	34.9	8	66.7	133.3	92.1	168.3	92.1	90.7	90.7	127.0	-	88.90
100	355.6	273.0	41.3	8	76.2	165.1	107.9	190.5	107.9	116.1	116.1	157.2	-	114.30
125	416.1	323.8	47.6	8	92.1	203.2	130.0	228.6	130.0	143.8	143.8	185.7	-	141.30
150	482.6	368.3	54.0	8	107.9	234.9	152.4	273.0	152.4	170.7	170.7	215.1	-	168.27
200	552.4	438.1	54.0	12	127.0	304.8	177.8	317.5	177.8	221.5	221.5	269.9	-	219.07
250	673.1	539.7	66.7	12	165.1	374.6	228.6	419.1	228.6	276.3	276.3	323.8	-	273.05
300	762.0	619.1	73.0	12	184.1	441.3	254.9	463.5	254.0	327.1	327.1	381.0	-	323.85

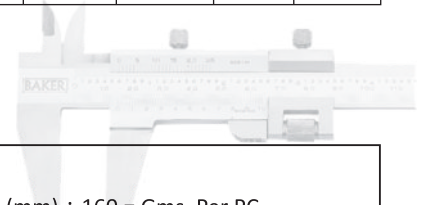
All Dimensions are in Millimeters.

Flanges except Lap Joint Will be furnished with 6.35 mm raised face, Which is included in " Thickness" (C) and Length Through Hub (Y).

STAINLESS STEEL PIPE DIMENSION & WEIGHT-KG. PER MTR. (ANSI B36.19)

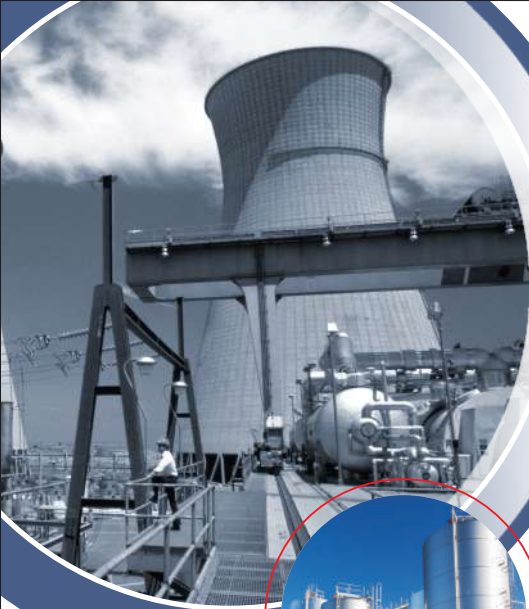
Nominal Bore		Outside Diameter	Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XXS	
mm	INCH	mm	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.73	0.37	2.41	0.47	-	-	-	-
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	12.07	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	15.08	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	17.45	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	-	-

Formula of Calculating Weight



<p>Weight of S.S. 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.</p>	<p>Weight of S. S. Circle Dia (mm) x Dia (mm) x Thick (mm) ÷ 160 = Gms. Per PC Dia (mm) x Dia (mm) x Thick (mm) x 0.0000063 = Kg. Per PC</p>
<p>Weight of S.S. Round Bar DIA (mm) x DIA (mm) x 0.00623 = Wt. Per Mtr. DIA (mm) x DIA (mm) x 0.0019 = Wt. Per Feet.</p>	<p>Weight of Brass Pipe / Copper Pipe O.D. (mm) - Thick (mm) x Thick (mm) x 0.0260 = Wt. Per Mtr.</p>
<p>Weight of S.S. Square Bar DIA (mm) x DIA (mm) x 0.00788 = Wt. Per Mtr. DIA (mm) x DIA (mm) x 0.0024 = Wt. Per Feet.</p>	<p>Weight of Lead Pipe O.D. (mm) - Wt. (mm) x Wt. (mm) x 0.0345 = Wt. Per Mtr.</p>
<p>Weight of S.S. Hexagonal Bar A/F (mm) x A/F (mm) x 0.00680 = Wt. Per Mtr. A/F (mm) x A/F (mm) x 0.002072 = Wt. Per Feet.</p>	<p>Weight of Aluminium Pipe O.D. (mm) - Thick (mm) x Thick (mm) x 0.0083 = Wt. Per Mtr.</p>
<p>Weight of S.S. Flat Bar Width (mm) x Thick (mm) x 0.00798 = Wt. Per Mtr. Width (mm) x Thick (mm) x 0.00243 = Wt. Per Feet.</p>	<p>Weight of Aluminium Sheet Length (Mtr.) x Width (Mtr.) x Thick (mm) x 2.69 = Wt. Per PC</p>
<p>Weight of S.S. Sheets & Plates Length (Mtrs) x Width (Mtrs) X Thick (mm) x 8 = Kg. Per Sheet Length (Ft) x Width (Ft) x Thick (mm) x 3/4 = Kg. Per Sheet</p>	<p>Weight for Conversion of Mtr. To Feet Weight of 1 Mtr. ÷ 3.2808 = Feet</p>

Formula for Calculating Width of Sheet for making Pipe
 Outer DIA - Wall Thickness X 22/7 Width of Sheet



Application Industries

- Oil & Gas Industries
- Pharmacy Industries
- Steel & Power
- Engineering
- Cement Industries
- Refinery Plants
- Cement Industries
- Sugar Industries
- Chemical Industries
- Fertilizers
- Ship Building
- Water Piping Solution
- Beverage Industries
- Fire Fighting Systems
- Automobile Industries



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एक कदम स्वच्छता की ओर