



**GLOBAL
METALS INDUSTRIES**
AN ISO 9001:2015 CERTIFIED COMPANY

Stockist & Suppliers of:

**Stainless Steel Sheets, Plates, Coils, Flats, Rods, Angles, Channels, Pipes,
Pipe Fittings, Valves & All Types Of Ferrous And Non Ferrous Raw Materials.**

SUSTAINABLE METALS FOR BETTER TOMORROW



RESPECTED CUSTOMER

Sub. : Registration of Our Firm in your approved list of vendors for Suppliers of all types of Ferrous & Non-Ferrous Metals.

We Interdicted this moment to present ourselves as one of the leading and largest importers, Stockiest and Suppliers of all types of Ferrous and Non-Ferrous Metals, We are also Manufacturers of Stainless Steel Pipes in all Grades Shapes and Sizes.

We have technical know-how in this trade and are well versed in project and maintenance suppliers to various organizations in CHEMICALS, FERTILIZERS, PETROCHEMICALS, NUCLEAR POWER, THERMAL POWDER, CEMENT, PAPER, REFINERS, etc. Catering towards their requirements, on a repeat order basis, in their various manufacturing cum production programmers, with our display of quality products on convenient terms.

Any Registration formalities to be fulfilled, Please feel free to correspond, it not only be our pleasure but due respect in doing so, waiting for the opportunity of serving your prestigious firm in times to come.

Thanking You And Assuring Of Our Time-Bound Services, At All Times.

For, **Global Metals Industries**



ORGANISATION SETUP

Company Name	: GLOBAL METALS INDUSTRIES
Regd. Office	: 109/1, Nani Kadiyawad, Dariyapur Gate, Ahmedabad-380001, Gujarat, India .
Email	: sales@globalmetals-industries.com
Website	: www.globalmetalsexport.com
Activities	: Industrial Raw Materials
GSTIN	: 24DCGPM8076M1ZZ
Pan No.	: DCGPM8076M
Contact Person	: Mr. Amrut Kumar +91 81414 54675, Mr. Bharat Kumar +91 81400 94965
Bank	: Kotak Bank
Branch	: Ashram Road, Ahmedabad
A/C	: 8141454675
IFSC Code	: KKBK0000811
Manufacturers	: As Per Our Stock Trade List
Testing Facility	: As Per List
Inspection	: At Outside Govt, Approved Lab
Branch	: Any Third Party



PRODUCT RANGE



PIPE & TUBES

STAINLESS STEEL: ASTM A312 TP 304/ 304L/304H/316/316L/ 317/317L/321/310/347/904L etc.
CARBON STEEL: ASTM A53 GR. B/A106 GR. B/API 5L GRADE B/API 5L GR. X42/46/52/56/60/65/70/
LOW TEMPERATURE, CARBON STEEL: A333 Gr. 3/ Gr. 6 etc.
ALLOY STEEL: ASTM A335 GR. P1/P5/P9/P11/P22/ P91 etc.
NICKEL ALLOYS: Monel, Nickel, Inconel, Hastalloy, Titanium, Tantalum Bismuth, Aluminium, High Speed Steel,
NON FERROUS METAL: Copper, Brass, Bronze, Zinc, Lead etc.
TYPES: Round, Square, Rectangular.
SIZE: 1/8" NB to 24"NB, (Seamless & Welded)
WALL THICKNESS: Sch 5S to Sch. XXS



FLANGES

STAINLESS STEEL: ASTM A182 F304/3040 304H/316/316L/17/3170 321 313347/904L etc
CARBON STEEL: ASTM A105/A694F42/ 46/5256:60165/70/A350/LF3/A350 LF2 etc.
ALLOY STEEL: ASTM A182 F1/FS/F9F11/ F22/ F91 etc
OTHERS: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Tantalum, Bismuth,
 Aluminum, High Speed Steel, Zinc, Lead, etc.
TYPES: Weldneck, Slipon, Blind, Socket Weld, Lap Joint Spectacles,
 Ring Joint, Orifice, Long Weldneck, Deck Flange, RTJ Flange
SIZE: 1/2" NB to 24" NB.
CLASS: 150#, 300#, 400#, 600#, 900#, 1500# & 2500#.



PIPE 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/WP11/WP22/WP91 etc.
OTHERS: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Tantalum, Bismuth, Aluminum,
 High Speed Steel, Zinc, Lead, etc.
TYPES : Buttweld fittings, Threaded fittings, Socket weld fittings, ferrule fittings, olets.
SIZE : 1/4" NB to 32" NB (Seamless & Welded)
WALL THICKNESS : Sch. 5S to Sch. XXS.



INSTRUMENTATION / FERRULE FITTINGS

STAINLESS STEEL: ASTM A182 F304 304 318/31/312/31 TL 321/346/347/904L etc
CARBON STEEL: ASTM A105 AE94 F4246/52/56/ 60/ 65/70IA35OLF3/A350 LF2 Alloy Steel
 ASTMA1EZEUFS F1 F1 F221F91 etc.
Duplex & Super Duplex Steel : UNS S31803, UNS S32750, UNS S32760, 964L. Alloy 20
TYPES : Nipples, Adaptors, Crosses, Union Ball Joints, Reducing Bushing, Reducers, Pipe Caps,
 Couplings, Pipe Plug, Hollow Hex Plug, Elbow, Reducing Union 90 Deg. Union Elbow, Reducing 90 Deg.
 Union Elbow Etc. Extender Leg 90 Deg. Union Elbow, 45 Deg. Union Elbow, Union Tee,
 Female Connector, Male Connector. Manifold Tee, Locator Union Extended Run Leg Union Tee,
 Reducing Tee, Triblow, ATW Weld Ring. Tube Socket Weld, Tube Butt Weld, Tube Butt Weld
 To Tube Socket Weld, Port Connector Etc.



DAIRY FITTINGS

STAINLESS STEEL: ASTM/ASME SA 403 GR WP "S" / "W" / "WX" 304, 304L, 304H, 304N, 304LN,
 309, 310H, 316, 316H, 317, 317L, 321, 321H, 347, 347 H
TYPES : T.C. Fittings, Pharma Fittings, CONICAL STRAINER, CAP, Plain Tee, T.C CLAMP, REDUCER,
 PIPE HOLDER, T.C BEND, UNION SEAMLESS TEE
Dimension : ASME 16.11, MSS SP-79, 83, 95, 97, BS 3799
Size: 1/8" to 4" (DN6 - DN100) / Custome sizes



PRODUCT RANGE



**SHEETS, PLATES,
COILS & STRIPS**

STAINLESS STEEL: ASTM A312 TP 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.

CARBON STEEL: ASTM A283, A516 / ASME SA283, SA516, 517 GR. 60 / 70, IS 2062, IS 2002.

MATERIAL GRADE: Stainless Steel, Carbon Steel, Duplex Steel, Super Duplex Steel, Alloy Steel, Nickel Alloy, Titanium Alloy, Aluminium Alloy & Cupro-Nickel Alloy.

TYPES: Sheet, Plates, Coils, Strips etc.



**ROUND, SQUARE
HEX & WIRE BARS**

STAINLESS STEEL: ASTM A312 TP 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.

MILD STEEL : Bright bar, Alloys Steel Bars, En Series, etc.

TYPES: Round, Square, Hexagon, Wire, Billet, Wire mesh, Ingot, Block, Forging, etc.

SIZE: 0.5 mm to 300 mm

FINISH: Bright, Black & Polished

NICKEL ALLOYS: Monel, Inconel, Hast Alloy, Nickel, Supro Nickle Titanium, Duplex (2205, 2507) & 17 - 4PH

MATERIAL GRADE: Stainless Steel, Carbon Steel, Duplex Steel, Super Duplex Steel, Alloy Steel, Nickel Alloy, Titanium Alloy, Aluminium Alloy & Cupro-Nickel Alloy.



**COPPER /BRASS
ALUMINIUM**

Non Ferrous : Copper Alloys, Aluminum Alloys, Brass, PB, Gunmetal, Bronze Metal.

TYPE : Pipe, Sheet, Coil, Round Bar, Square Bar, Hex Bar, Wire, Pipe Fitting & All type of Industrial Raw Materials.

THICKNESS: As per customer requirement.

SIZE : As per customer requirement.



VALVES

MATERIAL TYPE : Stainless Steel, Carbon Steel, Mild Steel, Cast Iron, Brass, Polymers

Class : Available in Class 150, 300, 600, 900, 1500, 2500, and 4500 as per ASME B16.34.

STANDARD : API 6D, ASME B31.8, DIN 3381, ANSI B16.5, API RP 521.

SIZE : 1/2" NB to 48" NB.

TYPE: Globe, Gate, Non-Return, Butterfly, Spherical Disc Valve, Strainer, Globe Valve, Non Return Valve, Ball, Check Plug, Actuator Valves.



FASTENERS

STAINLESS STEEL: AISI 302/304/304L/316/316L/310/317/317L/321/347, 410/420/904L etc.

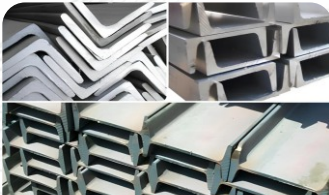
ALLOY STEEL: 4.6, 5.6, 6.6, 8.8, 10.9, 12.9, R S. T' Condition Carbon Steel: Bare Condition, Galvanized, Phosphatized, Cadmium Plated, Hot Deep Galvanized, Bloodied, Nickel Chrome Plated, etc.

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



**ANGEL CHANNEL
AND PLATES**

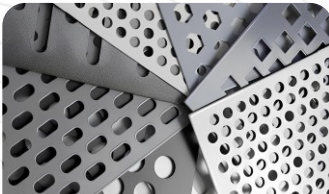
STAINLESS STEEL: 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.

MILD STEEL : IS:2062E250/E300/E350/E410/E450

THICKNESS : 3 mm to 16 mm

SIZE: As per Customer Requirement.

TYPES: Equal & unequal



**PERFORATED
SHEETS**

MATERIAL OPTION: Stainless Steel, Mild Steel, Carbon Steel, Aluminium, Brass, Copper, Bronze

HOLE PATTERN : Round, Square, Slot, Hexagon, Diamond, Triangular, Decorative, Embossed

THICKNESS : 0.3mm to 20mm

SIZE: As Per Customer Requirement



GUN METALS

MATERIAL OPTION

Specification G : 88% Copper, 10% Tin, 2%Zinc

Specification H : 83% Copper, 14% Tin, 3% Zinc, 0.8% Phosphorus

SIZE: As Per Customer Requirement



NYLON AND TEFLON

Forms Available: Sheets, Rods, Tubes, Bushes, Blocks & Custom Machined Components

Colour : White, Black, Blue, Green & Custom Colour

SIZE: As Per Customer Requirement



CIRCLES

STAINLESS STEEL: 304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 309, 310, 347, 409, 410, 420, 430, 904L etc.

FORMS: Forging & Plate Cut

THICKNESS: 0.3 mm to 125 mm.

SIZE: As per Customer requirement

NICKEL ALLOYS: Monel, Inconel, Hast Alloy, Nickel, Cupro Nickle, Titanium, Duplex, Super Duplex etc.

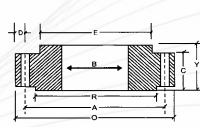
CHEMICAL COMPOSITION OF STAINLESS STEEL

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.

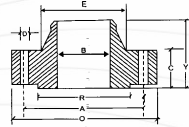
Grade	Chemical Composition - Per cent									Nearest Equivalent Specification	
	C Max	Mn Max	P Max	S Max	Si Max	Cr	Ni	Mo	Other Element	I.S.	En'
AUSTENITIC											
201	0.15	5.5/7.5	0.06	0.03	1	16.0/18.0	3.5/5.5	-	-	-	-
202	0.15	7.5/10	0.06	0.03	1	17.0/19.0	4.0/6.0	-	-	-	-
301	0.15	2.0max	0.045	0.040	1.0	16.0/18.0	6.0/8.0	-	-	10Cr17Ni7	-
302	0.15	2.0	0.045	0.030	1.0	17.0/19.0	8.0/10.0	-	E-4-3-4%	07Cr. 18Ni9	En-58A
302HQ	0.03	2.0	0.045	0.03	1	17.0/19.0	9.0/10.0	-	CU:3-4.0	-	-
303	0.15	2.0	0.045	0.15min	1.0	17.0/19.0	8.0/10.0	-	E-4-1% max	15Cr18Ni9	EN-58M
303EHS	0.15	2.0	0.02	0.3-0.33	1	17.0/19.0	8.0/10.0	-	CU:1% max	-	-
304	0.08	2.0	0.045	0.030	1.0	18.0/20.0	8.0/10.0	-	-	04Cr18Ni10	En-58E
304L	0.030	2.0	0.045	0.030	1.0	18.0/20.0	8.0/12.0	-	-	02Cr18Ni11	-
304H.C.	0.05	2.0	0.040	0.03	1	18.0/20.0	8.5/9.5	-	CU:2-2.50	-	-
308	0.08	2.0	0.045	0.030	1.0	18.0/21.0	10.0/12.0	-	-	-	-
308LER	0.02	1.5/2.0	0.025	0.02	0.5	19.0/21.0	9.5/11.0	-	-	-	-
309	0.20	2.0 max	0.045	0.030	1.0	22.0/24.0	12.5/15.0	-	-	20Cr24Ni12	-
309LER	0.03	1.5/2.5	0.02	0.015	0.5	23.0/25.0	12.0/14.0	-	-	-	-
309S	0.08	2.0	0.045	0.030	1.0	22.0/24.0	12.0/15.0	-	-	-	-
310	0.25	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	10Cr25Ni12	-
310S	0.08	2.0	0.045	0.030	1.50	24.0/26.0	19.0/22.0	-	-	-	-
314	0.25	2.0	0.045	0.030	1.5to3	25.0/26.0	19.0/22.0	-	-	-	-
316	0.08	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	04Cr17Ni12Mo2	En 58H
316I	0.030	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	03Cr17Ni12Mo2	-
316LER	0.02	1.5/2.0	0.02	0.02	0.5	18.0/20.0	12.0/14.0	2.0/2.75	-	-	-
316TI	0.080	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	Ti5xCmin	-	-
317	0.08	2.0	0.045	0.030	1.0	18.0/20.0	11.0/15.0	3.0/4.0	-	-	-
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	-	-
317N	0.08	2.0	0.045	0.03	1	18.0/20.0	11.0/15.0	3.0/4.0	N:0.10/0.22	-	-
321	0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	Ti5Cmin	04Cr18Ni10Ti20	En-58C
347	0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	Nb/Ta10xCmin	04Cr18Ni10Nb-40	En-58G
904L	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											
410	0.15	1.00	0.04	0.03	1.0	11.50/13.5	0.60	-	-	12Cr13	En-56A
416	0.15	1.25	0.06	0.15min	1.0	12.0/14.0	1.25/2.50	-	-	-	-
420	0.15min	1.0	0.04	0.03	1.0	12.0/14.0	0.60	-	-	-	En-56C&D
430	0.12	1.0	0.04	0.03	1.0	16.0/18.0	0.60	-	-	07Cr17	En-60
430L	0.03	1.0	0.04	0.03	1.0	16.0/18.0	0.60	-	-	-	-
430F	0.12	1.25	0.06	0.15min	1.0	16.0/18.0	0.60	-	-	-	-
431	0.2	1.0	0.04	0.03	1.0	15.0/17.0	1.25/2.5	-	-	-	En-57
17.4PH	0.07	1.0	0.04	0.03	1.0	15.0/17.0	3.0/5.0	-	NB:0.15/0.45	-	-
DUPLEX											
1905	0.03	1.2/1.8	0.04	0.03	1.2/2	18.0/19.0	4.3/5.2	2.5/3	N:0.50/0.10	-	-
2205	0.03	2	0.03	0.02	1.0	21.0/23.0	4.5/6.5	2.5/3.5	N:0.8/0.20	-	-
2506	0.08	1.0	0.04	0.03	0.75	26.0/28.0	4/5	1.3/2	-	-	-



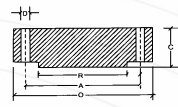
DIMENSIONS OF FORGED FLANGES ANSI B 16.5



SLIP-ON FLANGE



WELDING NECK FLANGE



BLIND FLANGE



Dimensions of Class 150 Flanges as per ANSI B 16.5

Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Length through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
15	1/2	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	3/4	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	1	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	1 1/4	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	1 1/2	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	2	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	2 1/2	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	3	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	4	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	5	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	6	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	8	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	10	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	12	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	14	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	16	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	18	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	20	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	24	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

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y).

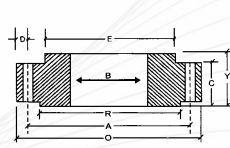
Dimensions of Class 300 Flanges as per ANSI B 16.5

Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Length through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
15	1/2	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	3/4	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	1	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	1 1/4	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	1 1/2	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	2	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	2 1/2	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	3	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	4	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	5	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	6	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	8	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	10	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	12	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	14	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	16	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	18	711.2	628.5	34.9	24	60.3	533.4	88.9	158.7	130.2	461.8	482.3	533.4	-	457.20
500	20	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	24	914.4	812.8	41.3	24	69.8	701.7	106.4	188.3	152.4	615.9	615.9	692.1	-	609.60

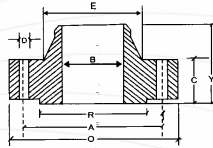
All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y).

Dimensions of Class 600 Flanges as per ANSI B 16.5

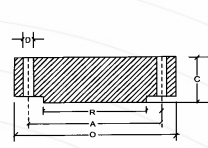
Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/R R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.3	22.3	22.8	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	144.5	185.7	-	141.30
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	66.4	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	277.4	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.2	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	-	355.60
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	462.3	533.4	-	457.20
500	812.8	723.9	44.4	24	88.9	609.9	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



SLIP-ON FLANGE



WELDING NECK FLANGE



BLIND FLANGE



Dimensions of Class 900 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/R 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	22.2	38.1	31.7	60.3	31.7	22.3	22.8	34.9	9.5	21.33
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	104.8	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	241.3	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	157.2	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	144.5	185.7	-	141.30
150	381.0	317.5	31.7	12	55.6	234.9	85.8	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	269.9	-	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

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness (C) and Length through Hub(Y).

Dimensions of Class 1500 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/R 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	1/2	120.6	82.5	22.2	4	22.2	31.7	60.3	31.7	22.3	22.8	34.9	9.5	21.33
20	3/4	130.2	88.9	22.2	4	25.4	34.9	69.8	34.9	27.7	28.1	42.9	11.1	26.67
25	1	149.2	101.6	25.4	4	28.6	41.3	73.0	41.3	34.5	35.0	50.8	12.7	33.40
32	1 1/4	158.7	111.1	25.4	4	28.6	41.3	73.0	41.3	43.2	43.6	63.5	14.2	42.16
40	1 1/2	177.8	123.8	28.6	4	31.8	44.4	82.5	44.4	49.5	50.0	73.0	15.8	48.26
50	2	215.9	165.1	25.4	8	38.1	57.1	101.6	57.1	62.0	62.4	92.1	17.4	60.31
65	2 1/2	244.5	190.5	28.6	8	41.3	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	3	266.7	203.2	31.7	8	47.6	73.0	117.5	73.0	90.7	91.4	127.0	-	88.90
100	4	311.1	241.3	34.9	8	54.0	90.5	123.0	90.4	116.1	116.8	157.2	-	114.30
125	5	374.6	292.1	41.3	8	73.0	196.8	104.8	155.6	143.8	144.5	185.7	-	141.30
150	6	393.7	317.5	38.1	12	82.6	228.6	119.1	171.4	170.7	171.4	215.9	-	168.27
200	8	482.6	393.7	44.4	12	92.1	292.1	142.9	212.7	221.5	222.2	269.9	-	219.07
250	10	584.2	482.6	50.8	12	107.9	368.3	158.7	254.0	276.3	277.3	323.8	-	273.05
300	12	673.1	571.5	54.0	16	123.8	450.8	181.0	282.5	327.1	328.1	381.0	-	323.85

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness (C) and Length through Hub(Y).

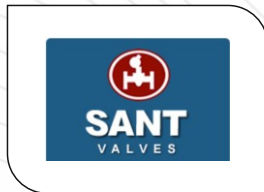
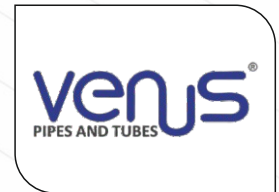
Dimensions of Class 2500 Flanges as per ANSI B 16.5

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/R 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	1/2	133.3	88.9	22.2	4	30.2	39.7	73.0	39.7	22.3	22.3	34.9	-	21.33
20	3/4	139.7	95.3	22.2	4	31.7	42.9	79.4	42.9	27.7	27.7	42.9	-	26.67
25	1	158.7	107.9	25.4	4	34.9	47.7	88.9	47.7	34.5	34.5	50.8	-	33.40
32	1 1/4	184.1	130.2	28.6	4	38.1	52.4	95.2	52.4	43.2	43.2	63.5	-	42.16
40	1 1/2	203.2	146.0	31.7	4	44.4	60.3	111.1	60.3	49.5	49.5	73.0	-	48.26
50	2	234.9	171.4	28.6	8	50.8	69.8	127.0	69.8	62.4	62.0	92.1	-	60.31
65	2 1/2	266.7	196.8	31.7	8	57.1	79.4	142.9	79.4	74.7	74.7	104.8	-	73.02
80	3	304.8	228.6	34.9	8	66.7	92.1	168.3	92.1	90.7	90.7	127.0	-	88.90
100	4	355.6	273.0	41.2	8	76.2	107.9	190.5	107.9	116.1	116.1	157.2	-	114.30
125	5	419.1	323.8	47.6	8	92.1	130.0	228.6	130.0	143.8	143.8	185.7	-	141.30
150	6	482.6	368.3	54.0	8	107.9	152.4	273.0	152.4	170.7	170.7	215.9	-	168.27
200	8	552.4	438.1	54.0	12	127.0	177.8	317.5	177.8	221.5	221.5	269.9	-	219.07
250	10	673.1	539.7	66.7	12	165.1	228.6	419.1	228.6	276.3	276.3	323.8	-	273.05
300	12	762.0	619.1	73.0	12	184.1						381.0	-	323.85

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness (C) and Length through Hub(Y).



BRANDS WITH US



FORMULA OF WEIGHT

WEIGHT OF STAINLESS STEEL PIPES & TUBES

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.02466 = kg. per Meter
O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.00756 = kg. per Feet

WEIGHT OF STAINLESS STEEL ROUNDS

Dia (mm) X Dia (mm) X 0.00623 = Kg. Per Meter
Dia (mm) X Dia (mm) X 0.0019 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL SQUARE BARS

Dia (mm) X Dia (mm) X 0.00787 = Kg. Per Meter
Dia (mm) X Dia (mm) X 0.0024 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL HEXAGONAL RODS

Dia (mm) X Dia (mm) X 0.00680 = Kg. Per Meter
Dia (mm) X Dia (mm) X 0.002072 = Kg. Per Feet

WEIGHT OF STAINLESS STEEL FLAT BAR

Width (mm) X Thk (mm) X 0.00798 = kg. Per Meter
Width (mm) X Thk (mm) X 0.00243 = kg. Per Feet

WEIGHT OF STAINLESS STEEL SHEETS

Length (Mtr.) X Width (Mtr.) X Thk (mm) x 8 = kg. per Sheet
Length (Ft.) X Width (Ft.) X Thk (mm) x 3/4 = kg. per Sheet

WEIGHT OF STAINLESS STEEL CIRCLES & BLANKS

Dia (mm) X Dia (mm) X Thk. (mm)/160 = Gmg. Per Pcs.
Dia (mm) X Dia (mm) X Thk. (mm) X 0.0000063 = Kg. Per Pcs.

WEIGHT OF BRASS/COPPER PIPES

Length (mm) x W.T. (mm) X W.T. (mm) X 0.0260 = Kg. Per Meter

WEIGHT OF CARBON STEEL SHEETS - PLATES

Length (Mtr.) x Width (Mtr.) X Thk (mm) X 7.85 = Kg. Per Sheet

WEIGHT OF LEAD PIPES (APPRO.)

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.0345 = Kg. Per Meter

WEIGHT OF ALUMINIUM PIPES (APPRO.)

O.D. (mm) - W.T. (mm) X W.T. (mm) X 0.0082 = Kg. Per Meter

WEIGHT OF LEAD SHEETS (APPRO.)

Length (mtr.) x Width (mtr.) X Thk. (mm) X 11.2 = Kg. Per Sheet

WEIGHT OF ALUMINIUM SHEETS (APPRO.)

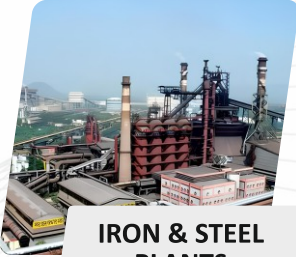
Length (Mtr.) x width (Mtr.) X Thk. (mm) X 2.69 = Kg. Per Sheet

TENSILE STRENGTH CONVERSION TABLE

1)	Kg/mm ² X 9.81	= N/mm ² =MPa
2)	Psi X 0.0007	= Kg/mm ²
3)	KSi X 1000	= PSi
4)	Kg/mm ² X 1.422	= KSi



INDUSTRIES WE SERVE



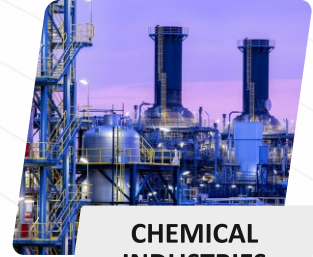
**IRON & STEEL
PLANTS**



**PETRO CHEMICAL
PLANTS**



MINES



**CHEMICAL
INDUSTRIES**



**AUTOMOBILE
INDUSTRIES**



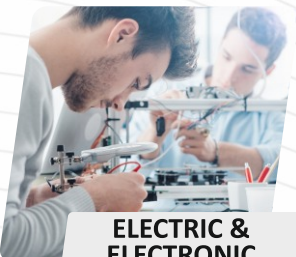
**HEAVY
MACHINERIES**



DISTILLERIES



CEMENT PLANTS



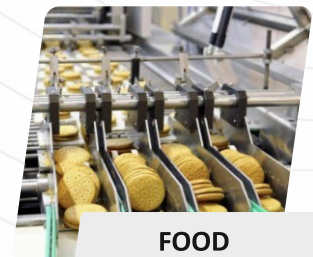
**ELECTRIC &
ELECTRONIC
INDUSTRIES**



**SPACE
INDUSTRIES**



**FERTILIZER
INDUSTRIES**



**FOOD
INDUSTRIES**



**OIL & GAS
INDUSTRIES**



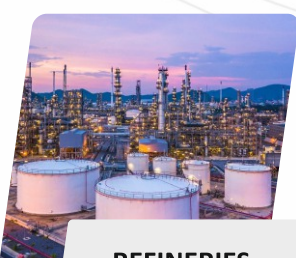
**PAPER & PULP
INDUSTRIES**



PHARMACEUTICALS



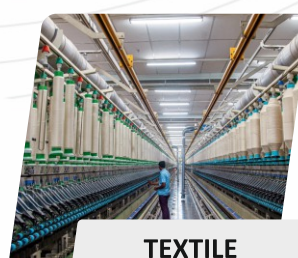
**POWER
SECTORS**



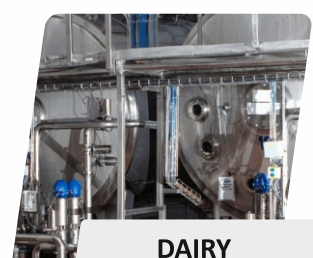
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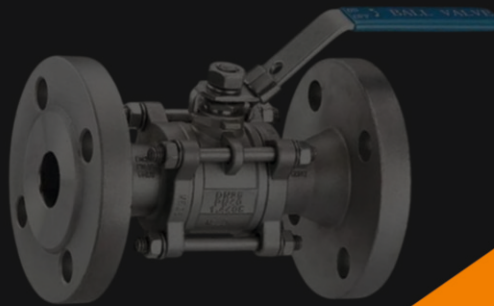
SUGAR MILLS



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**DAIRY
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