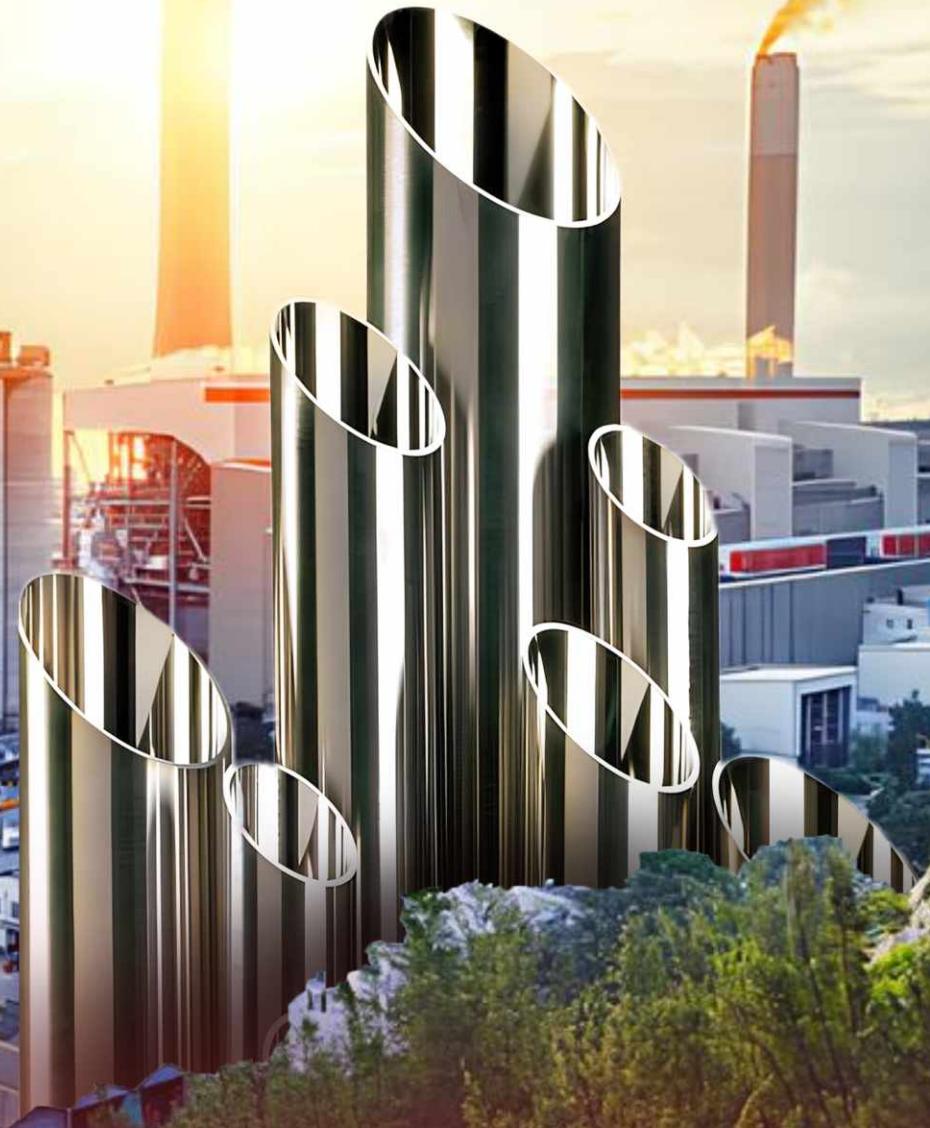




Swastik Metal Industries



+91 76660 05007 | 81256 41798
www.swastikmetalindustries.in

STOCKIST AND SUPPLIERS OF
SS Project Materials & Manufacturers

About us

Established in 2017, Swastik Metal Industries has emerged as a trusted leader among metal stockists and suppliers. Located in Ramnagar, Coimbatore, we are dedicated to delivering high-quality materials, including stainless steel, carbon steel, mild steel, alloy steel, IBR, and non-IBR varieties.

Our extensive product range encompasses a wide array of forms, such as pipes, tubes, sheets, plates, coils, angles, channels, fittings, flanges, valves, fasteners, perforated sheets, chequered plates, wire mesh, roofing sheets, polycarbonate sheets, and more. At Swastik Metal Industries, we are attuned to the diverse requirements of our clients, and our comprehensive inventory is designed to meet those needs efficiently and effectively.

What sets us apart is our unwavering commitment to quality and customer satisfaction. Our team of experts ensures that every product leaving our facility adheres to the highest industry standards. Whether you need materials for a small-scale project or a large industrial application, we have the resources and expertise to fulfill your requirements.

We are proud to have a nationwide presence, serving clients across India. Our commitment to excellence, reliability, and timely delivery has made us a preferred partner for businesses and industries throughout the country.



Quality Assurance

Our products undergo rigorous quality checks to ensure they meet the highest standards, providing you with the assurance of durability and reliability.



Wide Product Range

From basic materials like pipes and sheets to specialized items like valves and perforated sheets, we offer an comprehensive range to fulfill all your metal requirements.



Industry Expertise

With years of experience, our team of professionals possesses the knowledge & expertise to guide you in selecting the right materials for your applications.



Timely Delivery

We understand the importance of timely project completion. Our efficient logistics ensure that your orders are delivered promptly, helping you meet your project deadlines.



Customer-Centric Approach

In our company customer satisfaction is our top priority. We work closely with our clients to understand their specific needs and provide tailor-made solutions.

Our Mission

At Swastik Metal Industries, our mission is to deliver superior quality metal products that meet the diverse needs of our clients across industries. We are committed to ensuring excellence in every aspect of our operations, from sourcing the finest materials to providing unmatched customer service. Our goal is to build lasting relationships with our customers by consistently delivering value, reliability, and innovative solutions.

Our Vision

Our vision is to be a globally recognized leader in the metal industry, known for our commitment to quality, integrity, and customer satisfaction. We aim to continually expand our product range and services while maintaining the highest standards of excellence. By embracing innovation and sustainable practices, we aspire to set new benchmarks in the industry and contribute positively to the growth of our clients and communities.



QUALITY POLICY :

At **SWASTIK METAL INDUSTRIES**, our commitment to quality is unwavering, and we proudly uphold the standards set forth by ISO 9001:2015 and hold a CE Certificate. We are dedicated to consistently providing products and services that meet or exceed customer expectations. Our Quality policy is rooted in a culture of continuous improvement, where every team member is actively engaged in identifying opportunities for enhancement. We strive to maintain a robust quality management system that ensures adherence to industry best practices, regulatory requirements, and the highest standards of excellence.

SWASTIK METAL INDUSTRIES is dedicated to fostering a quality-focused environment that values customer satisfaction, innovation, and the pursuit of excellence in all aspects of our operations. Through the implementation of rigorous quality control measures, ongoing training, and the utilization of cutting-edge technologies, we remain steadfast in our commitment to delivering superior products and services to our valued customers.

Comprehensive Metal Solutions

At **Swastik Metal Industries**, located at No. 65/7, Patel Road, Ramnagar, Coimbatore – 641 009 (TN), we are committed to providing top-quality Ferrous & Non-Ferrous Metals, Industrial Raw Materials, and Scrap to meet the diverse needs of various industries. Our focus is on sourcing and delivering materials that are essential for your business success

Focus Areas

With a strong commitment to quality and customer satisfaction, we specialize in supplying high-grade raw materials essential for various industries. Our comprehensive product range includes ferrous and non-ferrous metals, tailored to meet the specific requirements of our clients.

Swastik Steel Industries, our branch located at No. 69/70, Nava India Road, Avarampalayam, Coimbatore – 641 006, extends our commitment to delivering exceptional raw materials. We continue to serve our clients with the same dedication and quality assurance that defines our reputation in the industry.

Management

RAVI B. PATEL

 +91 76660 05007

MAHENDRA PATEL

 +91 81256 41798

Expanding Our Reach

Driven by a passion for excellence, **Swastik Metal Industries** endeavors to exceed expectations in every aspect of our operations. Our goal is not just to deliver products but to build enduring relationships through unmatched service and expertise. Trust Swastik Metal Industries and Swastik Steel Industries for all your industrial raw material needs, providing reliable solutions backed by years of industry knowledge and dedication.



Vendor Application

Dear Valued Customer,

Subject: Vendor Registration Request for Ferrous and Non-Ferrous Metals Supply

It is with great pleasure that we introduce Empire Steel & Alloys, a leading Importer, Stockist, and Supplier of a wide range of Ferrous and Non-Ferrous Metals. In addition to our comprehensive inventory, we take pride in our proficiency as manufacturers of stainless steel pipes, offering versatility in grades, shapes, and sizes.

Our extensive experience positions us as a key player in providing essential materials and services to organizations Spanning diverse industries, including foods, beverages, chemicals, fertilizers, petrochemicals, Nuclear power, thermal power, cement, paper, refineries, and more. We excel in meeting the unique Requirements of our clients, supporting them with quality products in their manufacturing and production programs.

If there are any specific registration formalities that need attention, please do not hesitate to reach out. We view this process not just as an administrative requirement but as an opportunity to establish a meaningful and respectful association. We are eager to become an approved vendor for your esteemed organization and look forward to the prospect of serving you in the future.

Thank you for considering Empire Steel & Alloys. We assure you of our unwavering commitment to delivering timely & efficient services, consistently meeting your expectations.

At **SWASTIK METAL INDUSTRIES**, we redefine excellence in the realm of ferrous and non-ferrous metal supplies. Our commitment to unparalleled quality, reliability, and diverse product offerings sets us apart. With an unwavering dedication to meeting & exceeding industry standards, we ensure that our clients receive not just materials, but a partnership built on trust, expertise, and seamless service. Our comprehensive range of metals caters to diverse needs, guaranteeing the perfect fit for every project.

Best Regards,
For, SWASTIK Metal Industries

Product Range

PIPE & TUBES

STAINLESS STEEL : ASTM A312 TP 202/304/ 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 TEMPE., CARBON STEEL: A333 Gr.3/Gr.6 etc.
ALLOY STEEL : ASTM A335 GR. P1/P5/P9/P11/P22/P91.
NICKEL ALLOYS : Monel, Nickel, Inconel, Hastalloy, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, 904L, Alloy 20
NON FERROUS METAL : Copper, Aluminium, Brass, Bronze, Zinc, Lead etc.
TYPES : Round , Square, Rectangular.
SIZE : 1/2" to 24" NB. (Seamless & Welded)
WALL THICKNESS : Sch. 5S to Sch. XXS



STAINLESS STEEL : ASTM A276 & A479
 Grade 202 / 304 / 304L / 316 / 316L / 316Ti / 317 / 317L / 321 / 310 / 347 / 410 /416/ 420 /430/440C/ 904 / 303 / 17-4PH, 15-5 PH etc.
NICKEL ALLOYS : Monel, Inconel, Hastelloy, Nickel, Titanium, Alloy 20
DUPLEX & SUPER DUPLEX : UNS 32205, 31803, 32750, 32760,
TYPES : Round, Square, Hex, Wire, etc.
SIZE : 3mm - 75 mm dia ready stock.
PROCESS : Cold Drawn, Annealed, Export Bright & Black
TOLERANCE : H9, H11

BARS



SHEET/PLATE

STAINLESS STEEL COILS, SHEETS & PLATES :
 ASTM A312 TP 202/304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/310/ 347/ 904L etc.
ALLOY STEEL PLATES : 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.
CARBON STEEL / BOILER QUALITY PLATES : IS 2062
 Gr. A, B & C, IS 2002 Gr. 1& 2, ASTM A516 Gr. 60 & 70 ASTM A515 Gr. 70.
HIGH NICKEL ALLOY : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Brass, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, etc.
DUPLEX & SUPER DUPLEX STEEL : UNS S31803, UNS S32750, UNS 532760, 904L, Alloy 20
TYPES : Sheet, Plates, Strips, etc.



FLANGES

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.
DUPLEX & SUPER DUPLEX STEEL : U NS S31803, UNS S32750, U NS S32760, 904L, Alloy 20
OTHERS: Monel, Nickel, Inconel, Hastalloy, 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, RTJ, Flange.
SIZE : 1/2" N B TO 24" NB.
CLASS : 150#, 300#, 400#, 600#, 900#, 1500# & 2500#



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.
DUPLEX & SUPER DUPLEX STEEL : UNS S31803, UNS S32750, UNS S32760,
OTHERS : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Zinc, Aluminium, High Speed Steel, Lead, 904L, Alloy 20 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.

BULTTWELDED FITTINGS



STAINLESS STEEL : ASTM A182 F304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/310/ 347/ 904L etc.
CARBON STEEL : ASTM A105 /A694 F42/46/ 52/56/ 60/ 65/70 / A350 LF3/ A350 LF2.
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 : Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Swage Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Weldolet, Elbowlet, Sockolet, Thredolet, Nipolet, Letrolet, etc.
SIZE : 1/4" NB TO 4" NB. (Socketweld & Threaded)
CLASS : 3000#, 6000#, 9000#.

SCREWED FITTINGS



STAINLESS STEEL : ASTM A182 F304/ 304L/ 304H/ 316/316L/ 317/ 317L/ 321/310/347/ 904L etc.
CARBON STEEL : ASTM A105 / A694 F42/46/ 52/56/ 60/ 65/70 /A350 LF3/ A350 LF2.
ALLOY STEEL : ASTM A182 F1/ F5/ F9/ F11/ F22/F91 etc.
DUPLEX & SUPER DUPLEX STEEL : UNS S31803, UNS S32750, UNS S32760, 904L, Alloy 20
OTHER : Stainless Steel, Nickel Alloys, Carbon Steel, Alloy Steel, Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bimuth, Aluminium, High Speed Steel, Zinc, Lead, Etc.
TYPES : Nipples, Adaptors, Crosses, Union Ball Joints, Reducing Bushing, Reducers, Pipe Caps, Couplings, Pipe Plug, Hollow Hex Plug, Elbow, Reducing Union, 90° Union Elbow, Reducing 90° Union Elbow Etc. Extender Leg 90° Union Elbow, 45° Union Elbow, Union Tee, Female Connector, Male Connector, Manifold Tee, Locator Union.

FERRULE FITTINGS



STAINLESS STEEL : AISI 304, 304L, 316, 316L, 310, 317, 317L, 321, 347, 904L etc.
CARBON STEEL : A105, A216, Gr. WCB, Cadmium Plated, Nickel, chrome Plated etc.
NON-FERROUS METAL : Copper, Brass, Titanium, Phosphorous Bronze etc.
TYPE : Nipple, Dairy Fittings, Union, S.M.S., I.D.F., Dairy Valve, Butterfly Valve, Ball Valve, Needle Valve, N.R.V. Valve, Float Valve, Safety Valve, Cock Valve, Syphon Tube, etc.

DAIRY FITTINGS



STAINLESS STEEL: SA 240 TP 304/ 304L/ 304H/ 316/ 316L/ 316Ti/ 317/ 317L/ 321/ 309/ 310/ 347/ 409/ 410/ 430/ 904L, etc.

OTHERS: Nickel, Monel, Inconel, Hastelloy, Alloy20, Incoloy, Duplex & Super Duplex, 5M06-254, Carbon Steel, Alloy Steel, Copper, Brass, Cupro Nickel, Aluminium, Titanium, etc.,

TYPES : Available in All Sizes & Thickness

ANGLE/CHANNEL



STAINLESS STEEL : ASTM A240, ASME SA240

DIMENSIONS : ASTM, ASME and API

STANDARDS : JIS, AISI, ASTM, GB, DIN, EN, etc.

THICKNESS : 1 mm To 100 mm.

DIAMETER : Upto 2000 Mm.

CIRCLE DIAMETER : 3" DIA up to 38" DIA 1500 lbs max.

CIRCLE FORM : Cold Rolled, Small Flat, Industrial, Proof Machined, Perforated, Forged Steel, CNC Finish, Polished Unique, Hot Rolled Circle..

CIRCLE



STAINLESS STEEL : 304

SIZE : 1/4" ID to 12" ID,

NOMINAL SIZE : 3/4 inch

TYPE : Vacuum Hose Pipe

UNIT LENGTH : 12m-20m

BRAND : FLEXIBLES

PRESSURE : 5 Bar to 60 Bar

TEMPERATURE : upto 600 Deg. C

IS IT FLEXIBLE : Flexible

APPLICATION : Steam Hose, Solvent Hose, chemicals etc

FLEXIBLE HOSE



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.

DUPLEX & SUPER DUPLEX STEEL : UNS S31803, UNS S32750, UNS S32760,

OTHERS : Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead, 904L, Alloy 20 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.

IBR FITTINGS



FLATS & STRIPS: ASTM A 240 Gr. TP 202, 304, 304L, 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 : 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.

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

DUPLEX & SUPER DUPLEX STEEL : UNS S31803, UNS S32750, UNS 532760, 904L, Alloy 20

TYPES : Flats & Strips etc.

FLATS & STRIPS



VALVES

MATERIALS : SS, CS, CI, Alloys Steel, Brass, etc.
TYPE : Ball Valve, Butterfly Valve, Check Valve, Diverter Valve, Dome Valve, Double Dump Valve, Dump Valve, Gate Valve, Globe Valve, Non-Return Valve, Plug Valve, Poppet Valve, Pressure Regulating Valve, Pressure Relief Valve, Pneumatic Dump Valve, Pneumatic Gate Valve, Solenoid Valve, Switch Valve, etc.
THICKNESS : As per customer requirement.
SIZE : 1/4" to 60".
PRESSURE: 150#, 300#, 400#, 600#, 900#, 1500#, 2500#.



NON FERROUS METAL

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.



TMT BARS

CARBON STEEL: Fe-415, 415D, 500, 500D, 550, 550D, 600, etc.
SIZE : As per Requirement.
Length : As per Requirement.



FASTENERS

STAINLESS STEEL : AISI 302, 304, 304L, 316, 316L, 310, 317, 321, 347, 410 420, 904L etc.
ALLOY STEEL : 4.6, 5.6, 6.6, 8.8, 10.9 & 12.9 'R', 'S', 'T' Conditions.
CARBON STEEL: Bare Condition, Galvanized, Phosphatized, Cadmium Plating, Hot Dip Galvanized, Bloodied, Nickel Chrome Plated, etc.
NON-FERROUS METAL : Copper, Brass, Aluminium, Titanium, Nichrome, Al-Bronze, Phosphorous Bronze etc.
TYPE : Bolts, Nuts, Washers, Anchor, Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket, Screw, Fine Fasteners & Spares, Foundation Fasteners etc.



SELF TAPPING SCREW

Material : Galvanised / Mild Steel (MS) / Stainless Steel
Usage/Application: Purlins are mostly used below the roof and are supported by the building's walls or rafters.
Thickness: 1.6MM TO 6.0MM



C.S./A.S./S.S. Pipe and Tubes Schedule Dimensions, Wall Thickness, Wt./mtr. (kg)

Diametro Tubi Size Pipe		Nominal Thickness and Weights																													
		Number of Schedule																													
		5S		10S		10		20		30		40		60		80		100		120		160		Standard		Extra-Strong		Double Extra Strong		D. Tubi Size P.	
Nominal in inch	Out Side in mm	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	mm	kg / m	nominal in inch	
1/8"	10.3	--	--	1.28	0.28	--	--	1.60	0.345	--	--	1.78	0.36	--	--	2.41	0.46	--	--	--	--	--	--	1.73	0.36	2.41	0.46	--	--	1/8"	
1/4"	13.7	--	--	1.65	0.49	--	--	2.00	0.580	--	--	2.24	0.63	--	--	3.02	0.80	--	--	--	--	--	--	2.24	0.63	3.02	0.80	--	--	1/4"	
3/8"	17.1	--	--	1.65	0.63	--	--	2.00	0.750	--	--	2.31	0.85	--	--	3.20	1.10	--	--	--	--	--	--	2.31	0.85	3.20	1.10	--	--	3/8	
1/2	21.3	1.65	0.80	2.11	1.00	--	--	2.0	0.957	--	--	2.77	1.26	--	--	3.73	1.62	--	--	--	--	4.78	1.95	2.77	1.26	3.73	1.62	7.47	2.54	1/2	
3/4	26.7	1.65	1.03	2.11	1.28	--	--	2.5	1.500	--	--	2.87	1.68	--	--	3.91	2.19	--	--	--	--	5.56	2.89	2.87	1.68	3.91	2.19	7.82	3.63	3/4	
1	33.4	1.65	1.29	2.77	2.08	--	--	2.5	1.916	--	--	3.38	2.50	--	--	4.55	3.23	--	--	--	--	6.35	4.23	3.38	2.50	4.55	3.23	9.09	5.45	1	
1 1/4	42.2	1.65	1.65	2.77	2.69	--	--	3.00	2.910	--	--	3.56	3.33	--	--	4.85	4.46	--	--	--	--	6.35	5.60	3.56	3.38	4.48	4.46	9.70	7.75	1 1/4	
1 1/2	48.8	1.65	1.90	2.77	3.12	--	--	3.0	3.370	--	--	3.08	4.05	--	--	5.08	5.40	--	--	--	--	7.14	7.23	3.68	4.05	5.08	5.40	10.16	9.54	1 1/2	
2	60.3	1.65	2.38	2.77	3.94	--	--	3.0	4.263	--	--	3.91	5.43	--	--	5.54	7.47	--	--	--	--	8.74	11.10	3.91	5.43	5.54	7.47	11.07	13.44	2	
2 1/2	73.0	2.11	3.70	3.05	5.26	--	--	4.00	6.846	--	--	5.16	8.62	--	--	7.01	11.40	--	--	--	--	9.52	14.90	5.16	8.62	7.01	11.40	14.02	20.39	2 1/2	
3	88.9	2.11	4.50	3.05	6.45	--	--	4.00	8.423	--	--	5.49	11.28	--	--	7.62	15.25	--	--	--	--	11.13	21.30	5.49	11.28	7.62	15.25	15.24	27.65	3	
3 1/2	101.6	2.11	5.20	3.05	7.40	--	--	4.5	10.838	--	--	5.74	13.56	--	--	8.08	18.62	--	--	--	--	--	--	5.74	13.56	8.08	18.82	--	--	3 1/2	
4	114.3	2.11	5.61	3.05	8.34	--	--	4.5	12.255	--	--	6.02	16.06	--	--	8.56	22.29	--	--	11.13	28.25	13.49	33.51	6.02	16.06	8.56	22.29	17.12	40.99	4	
5	141.3	2.77	9.45	3.40	11.56	--	--	5.00	16.900	--	--	6.55	21.76	--	--	9.52	30.92	--	--	12.70	40.24	15.88	49.05	6.55	21.76	9.52	30.92	19.05	57.37	5	
6	168.3	2.77	11.31	3.40	13.82	--	--	6.35	24.150	--	--	7.11	28.23	--	--	10.97	42.52	--	--	14.27	54.20	18.26	67.47	7.11	28.23	10.97	42.52	21.95	79.11	6	
8	219.1	2.77	14.78	3.76	19.94	--	--	6.35	33.28	7.04	36.76	8.18	42.49	10.31	53.07	12.70	64.57	15.09	75.79	18.26	90.32	23.01	111.18	8.18	42.49	12.70	64.57	22.22	107.78	8	
10	273.1	3.40	22.62	4.19	27.83	--	--	6.35	41.73	7.80	50.96	9.27	60.24	12.70	81.46	15.09	95.84	18.26	114.59	21.44	132.85	28.58	172.11	9.27	60.24	12.70	81.46	25.40	154.97	10	
12	323.9	3.96	33.00	4.57	36.00	--	--	6.35	49.68	8.38	65.14	10.31	79.71	14.27	108.97	17.48	131.81	21.44	159.67	25.40	186.75	33.32	238.60	9.52	73.76	12.70	97.86	25.40	186.75	12	
14	355.6	3.96	34.23	4.78	41.18	6.35	54.63	7.92	67.98	9.52	81.21	11.13	94.31	15.09	126.51	19.05	157.94	23.83	194.64	27.79	224.36	35.71	281.49	9.52	81.21	12.70	107.28	--	--	14	
16	406.4	4.19	41.60	4.78	47.33	6.35	62.58	7.92	77.92	9.52	93.13	12.70	123.18	16.66	160.04	21.44	203.26	26.19	245.34	30.96	286.33	40.49	364.94	9.52	93.13	12.70	123.18	--	--	16	
18	457.2	4.19	46.83	4.78	53.18	6.35	70.53	7.92	87.85	11.13	122.12	14.21	155.90	19.05	205.62	23.83	254.24	29.36	309.55	34.92	363.33	39.67	459.18	9.52	105.05	12.70	139.07	--	--	18	
20	508.0	4.78	59.22	5.54	68.50	6.35	78.47	9.52	116.97	12.70	154.97	15.09	183.14	20.92	247.79	26.19	310.91	32.54	381.20	38.10	441.06	44.45	564.24	9.52	116.97	12.70	154.97	--	--	20	
22	558.8	4.78	63.75	5.54	73.81	6.35	86.42	9.52	128.89	12.70	170.86	--	--	22.22	293.80	28.58	373.27	34.92	450.75	41.28	526.24	47.62	671.28	9.52	128.89	12.70	170.86	--	--	22	
24	609.6	5.54	82.60	6.35	94.37	6.35	94.37	9.52	140.81	14.27	209.54	17.48	254.74	24.61	354.62	30.96	441.30	38.89	546.84	46.02	639.18	52.37	806.74	9.52	140.81	12.70	202.75	--	--	24	
26	660.4	--	--	--	--	7.92	127.58	12.70	202.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.52	152.73	12.70	202.65	--	--	26	
28	711.2	--	--	--	--	7.92	137.52	12.70	218.54	15.88	271.94	--	--	--	--	--	--	--	--	--	--	--	--	9.52	152.73	12.70	218.54	--	--	28	
30	762.0	--	--	--	--	7.92	147.45	12.70	234.44	15.88	219.81	--	--	--	--	--	--	--	--	--	--	--	--	9.52	164.65	12.70	234.44	--	--	30	
32	812.8	--	--	--	--	7.92	157.39	12.70	250.33	15.88	311.67	17.48	342.17	--	--	--	--	--	--	--	--	--	--	9.52	176.57	12.70	234.44	--	--	32	
34	863.6	--	--	--	--	7.92	157.32	12.70	266.22	15.88	331.54	17.48	364.01	--	--	--	--	--	--	--	--	--	--	9.52	188.50	12.70	250.83	--	--	34	
36	914.4	--	--	--	--	7.92	177.26	12.70	282.12	15.88	351.41	19.05	420.21	--	--	--	--	--	--	--	--	--	--	9.52	212.34	12.70	282.12	--	--	36	

Mild Steel Pipes Confirming to IS : 1239 (part - 1)

Nominal Bore		Outside Diameter		Light		Medium		Heavy	
				Thickness	Weight	Thickness	Weight	Thickness	Weight
Inch	In mm	In	mm	mm	kg/mtr.	mm	Kg/Mtr.	mm	Kg/Mtr.
1/8"	3 mm	0.406	10.32	1.80	0.361	2.00	0.407	2.65	0.493
1/4"	6 mm	0.532	13.49	1.80	0.517	2.35	0.650	2.90	0.769
3/8"	10 mm	0.872	17.10	1.80	0.674	2.35	0.852	2.90	1.02
1/2"	15 mm	0.844	21.43	2.00	0.952	2.65	1.122	3.25	1.45
3/4"	20 mm	1.094	27.20	2.35	1.410	2.65	1.580	3.25	1.90
1"	25 mm	1.312	33.80	2.65	2.010	3.25	2.440	4.05	2.97
1.1/4"	32 mm	1.656	42.90	2.65	2.580	3.25	3.140	4.05	3.84
1.1/2"	40 mm	1.906	48.40	2.90	3.25	3.25	3.610	4.05	4.43
2"	50 mm	2.375	60.30	2.90	4.110	3.65	5.100	4.47	6.17
2.1/2"	65 mm	3.004	76.20	3.25	5.840	3.65	6.610	4.47	7.90
3"	80 mm	3.500	88.90	3.25	6.810	4.05	8.470	4.85	10.1
4"	100 mm	4.500	114.30	3.65	9.890	4.50	12.10	5.40	14.4
5"	125 mm	5.00	139.70	-	-	4.85	16.20	5.40	17.8
6"	150 mm	6.500	165.10	-	-	4.85	19.20	5.40	21.2

Big Diameter ERW Pipes Confirming to IS 3589 Grade 410

Wall Thickness In mm	Nominal Bore 7" NB 193.7 mm OD	Nominal Bore 8" NB 219.1 mm OD	Nominal Bore 10" NB 273 mm OD	Nominal Bore 12" NB 323.7 mm OD	Nominal Bore 14" NB 355.6 mm OD	Nominal Bore 16" NB 406.4 mm OD	Nominal Bore 18" NB 457 mm OD	Nominal Bore 20" NB 508 mm OD
kg/mtr	kg/mtr	kg/mtr	kg/mtr	kg/mtr	kg/mtr	kg/mtr	kg/mtr	kg/mtr
4.85	22.59	25.62	32.07	38.13	-	-	-	-
5.20	24.17	27.43	34.34	40.85	-	-	-	-
5.60	26.00	29.28	36.93	43.93	48.11	-	-	-
6.00	27.88	31.53	39.50	47.02	51.49	61.00	69.00	-
6.35	29.34	33.28	41.73	49.67	54.43	62.35	70.50	78.50
7.04	32.27	36.76	46.43	55.45	61.82	69.04	-	-
7.94	-	41.00	50.95	61.85	67.98	77.92	87.80	-
8.18	-	42.56	53.42	65.12	-	-	-	-
9.53	-	51.50	60.24	73.75	81.21	93.13	105.00	117.00
12.70	-	-	-	-	107.28	123.30	139.00	115.00

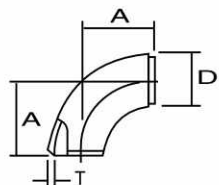
MAXIMUM PERMISSIBLE PRESSURE AND TEMPERATURE FOR TUBES WITH STEEL COUPLINGS OR SCREWED AND SOCKETED JOINTS

Nominal Bore mm	Maximum Permissible Pressure		Maximum Permissible Temperature	
	N/mm ²	Kg./cm ²	°C	
Upto and Including 25 mm	1.20	12.24	260	
Over 25 mm upto and Including 40 mm	1.03	10.50	260	
Over 40 mm upto and Including 80 mm	0.86	8.77	260	
Over 80 mm upto and Including 100 mm	0.69	7.04	260	
Over 100 mm upto and Including 125 mm	0.63	6.47	177	
Over 125 mm upto and Including 150 mm	0.50	7.04	171	
For tubes fitted with appropriate fittings of suitably butt welded together, the Max. permissible pressure shall be 21.00 Kg/cm ² and Max. Permissible temp. 260°C		5.10	160	

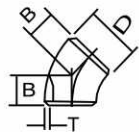
Tolerance on Thickness and weight : as per IS 1239

The following manufacturing tolerance shall be permitted on the tubes and sockets.

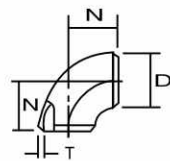
(a) Thickness	(b) Weight ;
(1) Butt welded Light tubes	(1) Single tube (light series)
Medium and every heavy tubes	(2) Single tube (Medium and heavy series)
(2) Seamless tubes	
+ Not Limited -8 percent	+ 10 percent - 8 percent
+ Not Limited -10 percent	
+ Note Limited -12.5 percent	



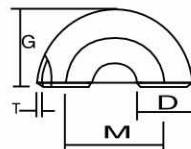
90° Elbow
long radius



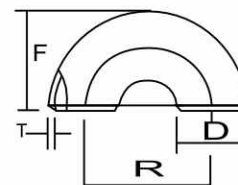
45° Elbow



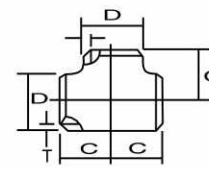
90° Elbow
short radius



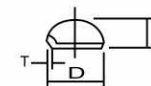
180° Return Bend
short radius



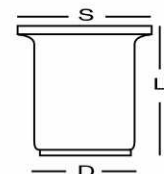
180° Return Bend
long radius



Tee equal



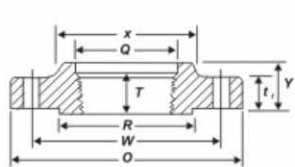
Caps



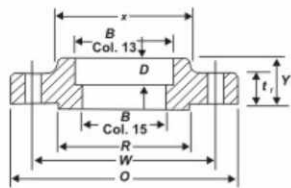
Stub-End

Butt Welding Pipe Fitting Dimensional Standard Ansi B-1 6.9, B-16.28

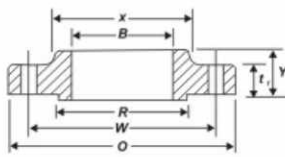
Nominal Pipe Size		Outside Diameter	Centre to Face				Back to Face			Centre to Centre			Length "L" MSSSP43 B16.9	
Inch	mm	D	A	B	C	N	E	F	G	R	M	S	L	L
1/2	15	21.3	19.00	16.0	25.0	-	25.0	48.0	-	76.0	-	35.0	50.8	76.2
3/4	20	26.7	29.00	11.0	29.0	-	25.0	43.0	-	57.0	-	43.0	50.8	76.2
1	25	33.4	38.00	22.0	38.0	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	67.0	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	73.0	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	127.0	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	508.0	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	614.40	152.4	305.0
24	600	610.0	914	381.0	432.0	610.0	267.0	1219.0	914.0	1829.0	1219.0	692.0	152.4	305.0
26	650	660.0	991.0	406.0	495.0	660.0	267.0	—	—	—	—	—	—	—
28	700	711.0	1067.0	438.0	521.0	771.0	267.0	—	—	—	—	—	—	—
30	750	762.0	1143.0	470.0	559.0	762.0	267.0	—	—	—	—	—	—	—
32	800	813.0	1219.0	502.0	597.0	813.0	267.0	—	—	—	—	—	—	—
34	850	864.0	1295.0	533.0	635.0	864.0	267.0	—	—	—	—	—	—	—
36	900	914.0	1372.0	565.0	673.0	914.0	267.0	—	—	—	—	—	—	—



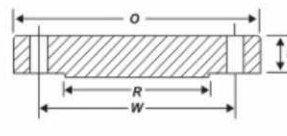
Threaded



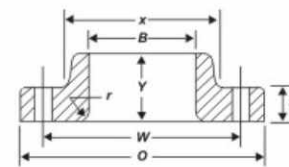
**Socket Welding
(½" to 2½" Only)**



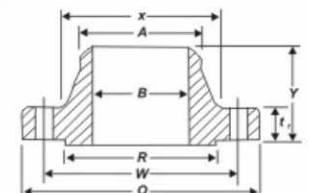
Slip-on Welding



Blind



Lapped



Welding Neck

Dimensions of Class 150 Flanges

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Nominal Pipe Size NPS	Outside Diameter of Flange O	Thickness of Flange, Min., t1	Drilling			Numbers of Blots	Diameter of Hub, X	Hub Diameter Beginning of Chamfer Welding Neck A	Length Thru Hub			Threaded/ Length Threaded Min. B	Bore			Comer Radius of Bore Lapped Flange & Pipe, R	Depth of Socket D	Diameter of RF, R
			Thickness Lap Joint Min., t1	Diameter of Blot Circle W	Diameter of Blot Holes				Threaded /Slip-On /Socket Welding, Y	Lapped Y	Welding, Y		Slip-On/ Socket Welding, Min. B	Lapped Min. B	Welding Neck/Socket Welding B (Note 2)			
1/2	90	9.6	11.2	60.3	15.9	4	30	21.3	14	16	46	16	22.2	22.9	15.8	3	10	34.9
3/4	100	11.2	12.7	69.9	15.9	4	38	26.7	14	16	51	16	27.7	28.2	20.9	3	11	42.9
1	110	12.7	14.3	79.4	15.9	4	49	33.4	16	17	54	17	34.5	34.9	26.6	3	13	50.8
1 1/4	115	14.3	15.9	88.9	15.9	4	59	42.2	19	21	56	21	43.2	43.7	35.1	5	14	63.5
1 1/2	125	15.9	17.5	98.4	15.9	4	65	48.3	21	22	60	22	49.5	50.0	40.9	6	16	73.0
2	150	17.5	19.1	120.7	19.1	4	78	60.3	24	25	62	25	61.9	62.5	52.5	8	17	92.1
2 1/2	180	20.7	22.3	139.7	19.1	4	90	73.0	27	29	68	29	74.6	75.4	62.7	8	19	104.8
3	190	22.3	23.9	152.4	19.1	4	108	88.9	29	30	68	30	90.7	91.4	77.9	10	21	127.0
3 1/2	215	22.3	23.9	177.8	19.1	8	122	101.6	30	32	70	32	103.4	104.1	90.1	10	-	139.7
4	230	22.3	23.9	190.5	19.1	8	135	114.3	32	33	75	33	116.1	116.8	102.9	11	-	157.2
5	255	22.3	23.9	215.9	22.3	8	164	141.3	35	36	87	36	143.8	144.4	128.2	11	-	185.7
6	280	23.9	25.4	241.3	22.3	8	192	168.3	38	40	87	40	170.7	171.4	154.1	13	-	215.9
8	345	27.0	28.6	298.2	22.3	8	246	219.1	43	44	100	44	221.5	222.2	202.7	13	-	269.9
10	4.5	28.6	30.2	362.0	25.4	12	3.5	273.0	48	49	100	49	276.2	277.4	254.6	13	-	323.8
12	845	3.2	31.8	431.8	25.4	12	365	323.8	54	55	113	55	327.0	328.2	304.8	13	-	381.0
14	535	33.4	35.0	476.3	28.6	12	400	355.6	56	79	125	57	359.2	360.2	To be Specified by Purchaser	13	-	412.8
16	595	35.0	36.6	539.8	28.6	16	457	406.4	62	87	125	64	410.5	411.2		13	-	469.9
18	635	38.1	39.7	577.9	31.8	16	505	457.0	67	97	138	68	461.8	462.3		13	-	533.4
20	700	41.3	42.9	635.0	31.8	20	559	508.0	71	103	143	73	513.1	514.4		13	-	584.2
24	815	46.1	47.7	749.3	35.0	20	663	610.0	81	111	151	83	616.0	616.0		13	-	692.2

Dimensions of Class 300 Flanges

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Nominal Pipe Size NPS	Outside Diameter of Flange O	Thickness of Flange, Min., t1	Thickness Lap Joint Min., t1	Drilling				Hub Diameter Beginning of Chamfer Welding Neck A	Threaded /Slip-On /Socket Welding, Y	Lenght Thru Hub			Slip-On/ Socket Welding. Min. B	Bore			Counter Bore Threaded FLANGE Min Q	Depth of Socket D	Diameter of RF, R
				Diameter of Blot Circle W	Diameter of Blot Holes	Numbers of Blots	Diameter of Hub, X			Lapped Y	Welding, Y	Threaded/ Lenght Threaded Min. B		Lapped Min. B	Welding Neck/Socket Welding B Note (2)	Comer Radius of Bore Lapped Flange and Pipe, R			
1/2	95	12.7	14.3	66.7	15.9	4	38	21.3	21	22	51	16	22.2	22.9	15.8	3	23.6	10	34.9
3/4	115	14.9	15.9	82.6	19.1	4	48	26.7	24	25	56	16	27.7	28.2	20.9	3	29.0	11	42.9
1	125	15.9	17.5	88.9	19.1	4	54	33.4	25	27	60	18	34.5	34.9	26.6	3	35.8	13	50.8
1 1/4	135	17.5	19.1	98.4	19.1	4	64	42.2	25	27	64	21	43.2	43.7	35.1	5	44.4	14	63.5
1 1/2	155	19.1	20.7	114.3	22.2	4	70	48.3	29	30	67	23	49.5	50.2	40.9	6	50.3	16	73.0
2	165	20.7	22.3	127.0	19.0	4	84	60.3	32	33	68	29	61.9	62.5	52.5	8	63.5	17	92.1
2 1/2	190	23.9	25.4	149.2	22.3	4	100	73.0	37	38	75	32	74.6	75.4	62.7	8	76.2	19	104.8
3	210	27.0	28.6	168.3	22.3	4	117	88.9	41	43	78	32	90.7	91.4	77.9	10	92.2	21	127.0
3 1/2	230	28.6	30.2	184.2	22.3	8	133	101.6	43	44	79	37	103.4	104.1	90.1	10	104.9	-	139.7
4	255	30.2	31.8	200.0	22.3	8	146	114.3	46	48	84	37	116.1	116.1	102.3	11	117.6	-	157.2
5	280	33.4	35.0	235.0	22.3	8	178	141.3	49	51	97	43	143.8	144.4	128.2	11	144.4	-	185.7
6	320	35.0	36.6	269.9	22.3	8	206	168.3	51	52	97	47	170.7	171.4	154.1	13	171.1	-	215.9
8	380	39.7	41.3	330.2	25.4	8	260	219.1	60	62	110	51	221.5	222.2	202.7	13	222.2	-	269.9
10	445	46.1	47.7	387.4	28.6	12	321	273.0	65	95	116	56	276.2	277.4	254.6	13	276.2	-	323.8
12	520	49.3	50.8	450.8	31.8	12	375	323.8	71	102	129	61	327.0	328.2	304.8	13	328.3	-	381.0
14	585	52.4	54.0	514.4	31.8	12	425	355.6	75	111	141	64	359.2	360.2	To be Specified by Purchaser	13	360.4	-	412.8
16	650	55.6	57.2	571.5	35.0	16	483	406.4	81	121	144	69	410.5	411.2		13	411.2	-	469.9
18	710	58.8	60.4	628.6	35.0	16	533	457.0	87	130	157	70	461.8	462.3		13	462.0	-	533.4
20	775	62.0	63.5	685.8	35.0	20	587	508.0	94	140	160	74	513.1	514.4		13	512	-	584.2
24	915	68.3	69.9	812.8	41.3	20	702	610.0	105	152	167	83	616.0	616.0		13	614.4	-	692.2

NOTE : (1) Height of RE 2mm (2) Dimensions column 16 Correspond to the inside diameters of pipe as given in ASME B36.10M for Standard Wall Pipe, Thickness of Standard Wall is the same as Schedule 40 in Size NPS 10 and smaller. These bore size are furnished unless Otherwise specified by the Purchaser.

Dimensions of Class 600 Flanges

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Nominal Pipe Size NPS	Outside Diameter of Flange O	Thickness of Flanges Min f	Drilling			Number of Bolts	Hub Diameter Beginning of Chamfer Welding Neck A	Threaded/ Slip-On Y	Length Thru Hub			Slip-On Min., B	Bore			Counter-Bore Threaded Flange Min., Q	Diameter of RF R	Socket Weld D
			Diameter of Hub, X	Diameter of Bolt Circle W	Diameter of Bolt Holes in				Lapped, Y	Welding Neck Y	Threaded / Length Threaded Flange Min., T		Lapped Min., B	Welding Neck B	Corner Radius of Bore of Lapped Flange and Pipe, r			
½	95	14.3	38	66.7	15.9	4	21.3	22	22	52	16	22.2	22.9		3	23.6	10	34.9
¾	115	15.9	48	82.6	19.1	4	26.7	25	25	57	16	27.7	28.2		3	29.6	11	42.9
1	125	17.5	54	88.9	19.1	4	33.4	27	27	62	18	34.5	34.9		3	35.8	13	50.8
1 ¼	135	20.7	64	98.4	19.1	4	42.2	29	29	67	21	43.2	43.7		5	44.4	14	63.5
1½	155	22.3	70	114.3	22.3	4	48.3	32	32	70	23	49.5	50.0		6	50.6	16	73.0
2	165	25.4	84	127.0	19.1	8	60.3	37	37	73	29	61.9	62.5		8	63.5	17	92.7
2½	190	28.6	100	149.2	22.3	8	73.0	41	41	79	32	74.6	75.4		8	76.2	19	104.8
3	210	31.8	117	168.3	22.3	8	88.9	46	46	83	35	90.7	91.4		10	92.2	21	127.0
4	230	35.0	133	184.2	25.4	8	101.6	49	49	86	40	103.4	104.1		10	104.9	-	139.7
5	330	44.5	189	266.7	28.6	8	141.36	60	60	114	48	143.8	144.4		22	144.4	-	185.7
6	355	47.7	222	292.1	28.6	12	168.3	67	67	117	51	170.7	171.4		13	171.4	-	215.9
8	420	55.6	273	349.2	31.8	12	219.1	76	76	133	58	221.5	222.2		13	222.2	-	269.9
10	510	63.5	343	431.8	35.0	16	273.0	86	111	152	66	276.2	277.4		13	276.2	-	323.8
12	560	66.7	400	489.0	35.0	20	323.8	92	117	156	70	327.0	328.2		13	328.6	-	381.0
14	605	69.9	432	527.0	38.1	20	355.6	94	94	165	74	359.2	360.2		13	360.4	-	412.8
16	605	76.2	495	603.0	41.3	20	406.4	106	140	178	48	410.5	411.2		13	411.2	-	469.9
18	745	82.6	546	654.0	44.5	20	457.0	117	152	184	80	461.8	462.3		13	462.0	-	533.4
20	815	88.9	610	723.9	44.5	24	508.0	127	165	190	83	513.1	514.4		13	512.8	-	584.2
24	940	101.6	718	838.2	50.8	24	610.0	140	184	203	93	616.0	616.0		13	614.4	-	692.2

Dimensions of Class 900 Flanges

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Nominal Pipe Size NPS	Outside Diameter of Flange O	Thickness of Flanges Min f	Diameter of Hub, X	Drilling			Hub Diameter Beginning of Chamfer Welding Neck A	Length Thru Hub			Threaded / Length Threaded Flange Min., T	Bore			Corner Radius of Bore of Lapped Flange and Pipe, r	Counter-Bore Threaded Flange Min., Q	Diameter of RF R	Socket Weld D
				Diameter of Bolt Circle W	Diameter of Bolt Holes in	Number of Bolts		Threaded/ Slip-On Y	Lapped, Y	Welding Neck Y		Slip-On Min., B	Lapped Min., B	Welding Neck B				
½	120	22.2	38	82.6	22.3	4	21.3	32	32	60	23	22.2	22.2		3	23.6	34.9	10
¾	130	25.4	44	88.9	22.3	4	26.7	35	35	70	26	27.7	27.7		3	29.6	42.9	11
1	150	28.6	52	101.6	25.4	4	33.4	41	41	73	29	34.5	34.5		3	35.8	50.8	13
1 ¼	160	28.6	64	111.1	25.4	4	42.2	41	41	73	31	43.2	43.2		5	44.4	63.5	14
1½	180	31.8	70	123.8	28.6	4	48.3	44	44	83	32	49.5	49.5		6	50.6	73.0	16
2	215	38.1	105	165.1	25.4	8	60.3	57	57	102	39	61.9	61.9		8	63.5	92.7	17
2½	215	41.3	124	190.5	28.6	8	73.0	64	64	105	48	74.6	74.6		8	76.2	104.8	19
3	240	38.1	127	190.5	25.4	8	88.9	54	54	102	42	90.7	90.7		10	92.2	127.0	
4	290	44.6	159	235.0	31.8	8	101.6	70	70	114	48	103.4	103.4		10	104.9	139.7	
5	350	50.8	190	279.4	35.0	8	141.36	79	79	127	54	143.8	143.8		22	144.4	185.7	
6	380	55.6	235	317.5	31.8	12	168.3	86	86	140	58	170.7	170.7		13	171.4	215.9	
8	470	63.5	298	393.7	38.1	12	219.1	114	114	162	64	221.5	221.5		13	222.2	269.9	
10	545	69.9	368	449.9	38.1	16	273.0	127	127	184	72	276.2	276.2		13	276.2	323.8	
12	610	79.4	419	533.4	38.1	20	323.8	143	143	200	77	327.0	327.0		13	328.6	381.0	
14	640	85.8	451	558.8	41.3	20	355.6	156	156	213	89	359.2	359.2		13	360.4	412.8	
16	705	88.9	508	616.0	44.5	20	406.4	165	165	216	86	410.5	410.5		13	411.2	469.9	
18	785	101.6	565	686.8	50.8	20	457.0	190	190	229	89	461.8	461.8		13	462.0	533.4	
20	855	108.0	622	749.3	54.0	24	508.0	210	210	248	97	513.1	513.1		13	512.8	584.2	
24	1,040	139.7	749	901.7	66.7	24	610.0	267	267	292	102	616.0	616.0		13	614.4	692.2	

TABLE D

FOR WORKING STEAM PRESSURE UPTO 50 LBS PER SQ. INCH

Nominal Pipe Size	O.D. of Pipe	O.D.	P.C. D.	No. of Bolt	Dia of Bolt	Thickness
1 / 2"	21.3	95.3	66.7	4	12.7	4.8
3 / 4"	26.7	101.3	73.0	4	12.7	4.8
1"	33.4	114.3	82.6	4	12.7	4.8
1-1/4"	42.2	120.7	87.3	4	12.7	6.4
1-1/2"	48.3	133.4	98.4	4	12.7	6.4
2"	60.3	152.4	114.3	4	15.9	7.9
2-1/2"	73.0	165.1	127.0	4	15.9	7.9
3"	88.9	184.2	145.0	4	15.9	9.5
3-1/2"	101.6	203.2	165.1	4	15.9	9.5
4"	114.3	215.9	177.8	4	15.9	9.5
5"	141.3	254.0	209.6	8	15.9	12.7
6"	168.3	279.4	235.6	8	15.9	12.7
7"	190.5	304.8	260.4	8	15.9	12.7
8"	219.1	336.6	292.1	8	15.9	12.7
9"	244.5	368.3	323.9	8	15.9	15.9
10"	273.0	406.4	355.6	8	19.1	15.9
12"	323.9	457.2	406.4	12	19.1	15.9
14"	355.6	527.1	469.6	12	22.2	19.1
16"	406.4	577.9	520.7	12	22.2	19.1
18"	457.2	641.4	584.2	12	22.2	22.2
20"	508.0	704.9	641.0	16	22.5	25.4
24"	609.6	825.5	755.7	16	25.4	28.6

TABLE F

 FOR WORKING STEAM PRESSURE
ABOVE 100 LBS AND UPTO 150 LBS PER SQ. INCH

Nominal Pipe Size	O.D. of Pipe	O.D.	P.C. D.	No. of Bolt	Dia of Bolt	Thickness
1 / 2"	21.3	95.3	66.7	4	12.7	9.5
3 / 4"	26.7	101.3	73.0	4	12.7	9.5
1"	33.4	120.7	87.3	4	15.9	9.5
1-1/4"	42.2	133.4	98.4	4	15.9	12.7
1-1/2"	48.3	139.7	104.8	4	15.9	12.7
2"	60.3	165.1	127.0	4	15.9	15.9
2-1/2"	73.0	184.2	145.0	8	15.9	15.9
3"	88.9	203.2	165.1	8	15.9	15.9
3-1/2"	101.6	215.9	177.8	8	15.9	19.1
4"	114.3	228.6	190.5	8	15.9	19.1
5"	141.3	279.4	235.0	8	19.1	22.2
6"	168.3	304.8	260.4	12	19.1	22.2
7"	190.5	336.6	292.1	12	19.1	22.2
8"	219.1	368.3	323.9	12	19.1	25.0
9"	244.5	406.4	355.6	12	22.2	25.0
10"	273.0	431.8	381.0	12	22.2	25.0
12"	323.9	489.0	438.2	16	22.2	28.6
14"	355.6	552.5	495.3	16	25.4	31.8
16"	406.4	609.6	552.5	20	25.4	31.8
18"	457.2	673.1	609.6	20	28.6	34.9
20"	508.0	736.6	673.1	24	28.6	38.1
24"	609.6	850.9	781.1	24	31.8	41.3

TABLE E

FOR WORKING STEAM PRESSURE UPTO 100 LBS PER SQ. INCH

Nominal Pipe Size	O.D. of Pipe	O.D.	P.C. D.	No. of Bolt	Dia of Bolt	Thickness
1 / 2"	21.3	95.3	66.7	4	12.7	6.4
3 / 4"	26.7	101.3	73.0	4	12.7	6.4
1"	33.4	114.3	82.6	4	12.7	7.1
1-1/4"	42.2	120.7	87.3	4	12.7	7.9
1-1/2"	48.3	133.4	98.4	4	12.7	8.7
2"	60.3	152.4	114.3	4	15.9	9.5
2-1/2"	73.0	165.1	127.0	4	15.9	10.3
3"	88.9	184.2	145.0	4	15.9	11.1
3-1/2"	101.6	203.2	165.1	8	15.9	11.9
4"	114.3	215.9	177.8	8	15.9	12.7
5"	141.3	254.0	209.6	8	15.9	14.3
6"	168.3	279.4	235.6	8	19.1	17.5
7"	190.5	304.8	260.4	8	19.1	19.1
8"	219.1	336.6	292.1	8	19.1	19.1
9"	244.5	368.3	323.9	12	19.1	20.6
10"	273.0	406.4	355.6	12	19.1	22.2
12"	323.9	457.2	406.4	12	22.2	25.4
14"	355.6	527.1	469.6	12	22.2	25.4
16"	406.4	577.9	520.7	12	22.2	25.4
18"	457.2	641.4	584.2	16	22.2	28.6
20"	508.0	704.9	641.0	16	22.2	31.8
24"	609.6	825.5	755.7	16	25.4	38.1

TABLE H For working Steam pressure

ABOVE 150 LBS AND UPTO 250 LBS PER SQ. INCH

Nominal Pipe Size	O.D. of Pipe	O.D.	P.C. D.	No. of Bolt	Dia of Bolt	Thickness
1 / 2"	21.3	114.3	82.6	4	15.9	12.7
3 / 4"	26.7	114.3	82.6	4	15.9	12.7
1"	33.4	120.7	87.3	4	15.9	14.3
1-1/4"	42.2	133.4	98.4	4	15.9	17.0
1-1/2"	48.3	139.7	104.8	4	15.9	17.0
2"	60.3	165.1	127.0	4	15.9	19.1
2-1/2"	73.0	184.2	145.0	8	15.9	19.1
3"	88.9	203.0	165.1	8	15.9	22.2
3-1/2"	101.6	215.9	177.8	8	15.9	22.2
4"	114.3	228.6	190.5	8	15.9	25.4
5"	141.3	279.4	235.0	8	19.1	28.6
6"	168.3	304.8	260.4	12	19.1	28.6
7"	190.5	336.6	292.1	12	19.1	31.8
8"	219.1	368.3	323.9	12	19.1	31.8
9"	244.5	406.4	355.6	12	22.2	34.9
10"	273.0	431.8	381.0	12	22.2	34.9
12"	323.9	489.0	438.2	16	22.2	38.1
14"	355.6	552.5	495.3	16	25.4	41.3
16"	406.4	609.6	552.5	20	25.4	44.5
18"	457.2	673.1	609.6	20	28.6	47.6
20"	508.0	736.6	673.1	24	28.6	50.8
24"	609.6	850.9	781.1	24	31.8	57.2

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

S.S. TC Fittings & Valves



Three Way Valve



Two Way Valve



Dairy tanker valve



Butterfly Valve with Union



Butterfly Valve Welded



Diaphragm valve



TC End Ball Valve



Side Glass with Union



TC End NRV



NRV Welded



NRV with Union (SMS)



In Line Filter with Union



TC Ball Valve 3 Way



Butterfly Valve Sandwich Type



In Line Filter with Union



Zero DEAD VALVE



Tanker Valve
with SMS Union



SMS BALL VALVE



Float Valve Imported



U Type Diaphragm
Valve



Micro Valve
with Union



TC Clamp



High Pressure Clamp



3 Pin Clamp



Ferrule Blind



TC Ferrule



TC Clamp Full Set



TC Clamp Indian Set



Dairy Clamp
with Rubber



Dairy Pipe Holder



Dairy Pipe Holder
Imported



Dairy Clamp with Stand



Union Ring



TC Gasket



Butterfly Gasket



90° Bend Plain



TC Bend 90°



Tee Plain



TC Tee



Cross Tee Plain



SS Y Bend Plain



Reducer



45° Bend Plain



TC Y-Bend



TC 45° Bend



TC U Bend



TC Reducer



TC Cross



TC Y-Loop



C-Spanner



Welded Union



SMS Union



DIN Union



Side View Glass



Blind Nut



Side View Glass with Wiper



SMS Tee



SMS Bend



SMS Liner / Male Part



Sampling Valve



TC Sampling



Indian Spray Ball Fix



Spray Ball BSP



Spray Ball TC End



Pin Type Spray Ball



SMS/TC Cleaning Ball



Pin Type Imported Spray Ball



Flexible Hose Pipe



BSP Ball Valve Bar Stock



Butterfly Handle Ball Valve



Three Way Valve



Flange Type Ball Valve



Gate Valve



Globe Valve



2 PC Ball Valve



Three PC Ball Valve



3 PC T.C. Ball Valve



Y-Type Strainer



NRV Horizontal



NRV Vertical



Globe Valve



Disc Check Valve

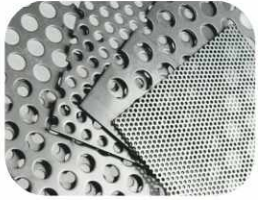


Wafer Check Valve

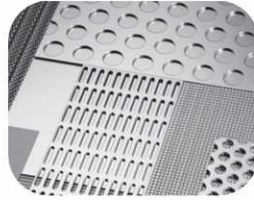
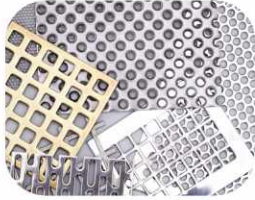


Butterfly Valve

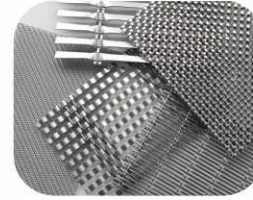
Other Industrial Product



All type of perforated sheet



All type of wire mesh



Wire rope



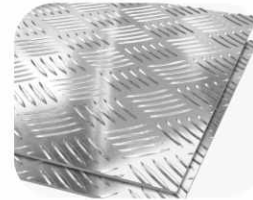
SS Chain



All type of SS Designing & colouring Sheet



SS Chequere Plate



Aluminium
Chequere Plate



Rivets



Bearing

Industrial Construction Product



Pneumatic / Brass Fittings



Pneumatic actuator & electric actuator
operate valves



Water Meter



Magnetic Dry Water Confining
For Normal Water



Electromagnetic Flow Metre



Heavy Duty
Bolt Cutters



Vite Grip Pliers



Twist Tools

Industries We Serve

At **SWASTIK METAL INDUSTRIES**, we take pride in catering to a diverse range of industries with our high-quality products and services. Our extensive experience and expertise allow us to meet the unique demands of each sector, ensuring that our clients receive the best solutions tailored to their specific needs.



Pharmaceuticals



Petro Chemical Plant



Acid & Chemical Plant



Beverages Plant



Iron & Steel Plant



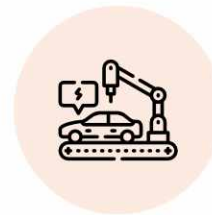
Cement Plant



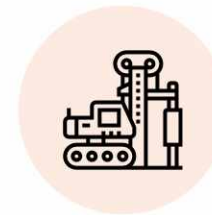
Dairy Industries



Civil Construction



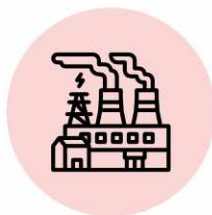
Automobile Industries



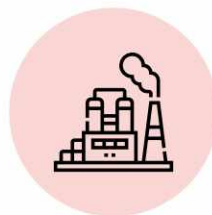
Heavy Machinery



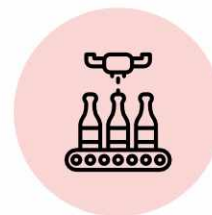
Textile Industries



Power Sectors



Refineries



Food Industries



Sugar Mills

& Many More....

We Do all Types of
Railings Turnkey Projects

- ✓ SS RAILINGS
- ✓ MS RAILINGS
- ✓ GLASS RAILINGS
- ✓ BRASS RAILINGS
- ✓ GI RAILINGS





SMT
Swastik Metal Industries



Swastik Metal Industries

+91 76660 05007 | 81256 41798

+91 422 2235007

swastikmetal2018@gmail.com

No. 65/7, Patel Road, Ramnagar,
Coimbatore - 641 009 (TN)

www.swastikmetalindustries.in



Follow us,

