

Mob.: +91 7506385720
+91 6353749031



SIDHARTH METAL INDUSTRIES

AN ISO 9001:2015 CERTIFIED COMPANY

Specialist Manufacturer : Pipe Fittings, Flanges & Fasteners

Stockist & Suppliers Of : Stainless Steel, Carbon Steel, Mild Steel, Sheet, Plate, Coil, Rod, Pipe, Pipe Fitting, Flanges, Fasteners, Angle, Channel, Copper, Brass & All Types of Industrial Raw Materials Etc.

Driving Project
Through Steel



 : www.sidharthmetalind.com

 sales@sidharthmetalind.com
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PIPES & 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 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, 904L, Alloy 20

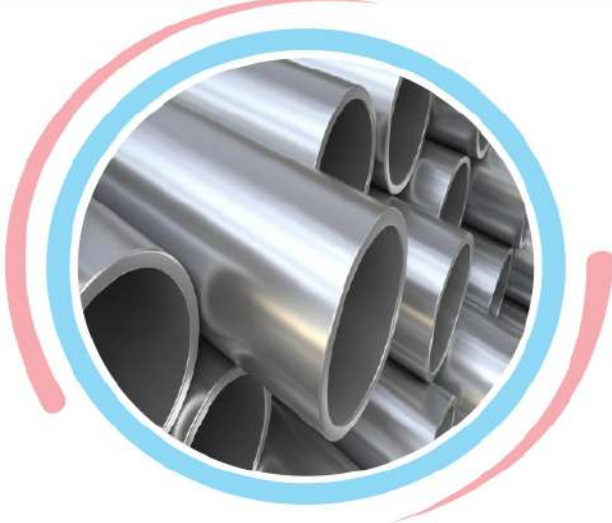
Duplex & Super Duplex Steel : UNS S31803, UNS S32750, UNS S32760,

Non Ferrous Metal : Copper, Brass, Bronze, Zinc, Lead etc.

Types : Round , Square, Rectangular.

Size : 1/2" to 48" NB. (Seamless & Welded)

Wall Thickness : Sch. 5S to Sch. XXS



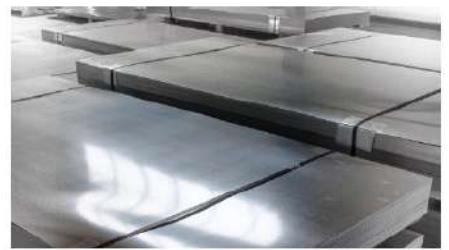
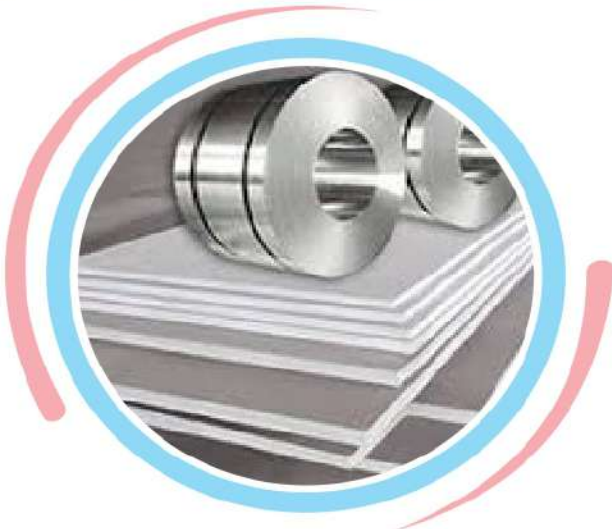
SHEETS, PLATES & COILS

S. S. Sheets & Plates : as per ASTM A240, Gr. TP 202, 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

Abrasion resistant / Wear resistant Plates : Sailhard, Hardox, Sumihard, Jee Raex, Fora, Abrazo, Abrex, Xar, Nicrodur, Dillidur 360, 400, 450, 500, 600, 700, 900 & 100 BHN.





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BUTTWELD FITTING

Specifications:

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/A53GR. B/A106GR. B / ASM 192 / A179, IBR & NON-IBR

Alloy Steel : ASTM A234 WP1/ WP5/ WP9/ WP11/ WP22/ WP91, IBR & NON-IBR

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

Size : 1/2" to 48" NB. (Seamless & Welded)

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

Type of Butt weld fittings: Tee, Elbow, Reducing Tee, Coupling, Long & Short Stub Bend, Reducer, Return Bends, Plug and Union, Cap, Collar, Cross, etc.



SOCKETWELD

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

Material Grade : Stainless Steel, Nickel Alloys, Carbon Steel, Alloy Steel.

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/A 350 LF3 / A350 LF2, IBR & NON-IBR

Alloy Steel : ASTM A182 F1/ F5/ F9/ F11/ F22/ F91, IBR & NON-IBR

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.

Size : 1/2" to 48" NB. (Socketweld & Threaded)

Class : 3000#, 6000#, 9000#.

Pressure : 1000#, 2000#, 3000#, 6000#, 9000#





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FLANGES

Materials Grades Available :

Stainless Steel : ASTM A182, 202, 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, IBR & NON-IBR

Alloy Steel : ASTM A182 F1, F5, F9, F11, F22, F91, 17-4PH, 15-4PH, IBR & NON-IBR

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 24" NB.

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



DAIRY FITTINGS

Material of Construction: 202, 304, 304L, 316, 316L etc.,

Finish : Mechanical polish as well as Electropolish finishes.

Size : 1/2" OD to 4" OD

Thickness : 10 SWG to 22 SWG

Types : Seamless & Welded

Items : Threaded Bevel Seat 90 Elbow, 90 Reducing Elbow, Non Tapered 90 Elbow, Plain Bevel Seat 90 Elbow Short Outlet Tee 45 Elbow, Equal Tee, Reducing Tee, Instrument Tee, Short Outlet Reducing Tee Equal Cross, Long Weld Ferrule, Short Welded Ferrule, Ferrule for Expanding (Recessless)





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RODS BARS WIRES & ROPE WIRE

Stainless Steel Bar : ASTM 202, A-479, A 182 F 304, 304H, 304L, 316, 316L, 316T, 309, 310, 317L, 321, 347, 409, 410, 420, 430, 440 (A, B, C) 446, 904L, 174 PH, 155-PH etc.

Duplex Steel Bar : A 182 F51, F53, F55

EN Series Bar : ENS, EN9, EN 19, En24,

Carbon Steel Bar : A 105, 1F2, 4140 MOD, 4340 MOD

Alloy Steel Bar : ASTM A-182 F11, F12, F22, FF5, F9, F91

Cu-Ni Bar : C70660 (90:10) C71500 (70:30), C71640

Nickel Bar/Monel Bar : UNS NO2200, NO2201, UNSN04400, N05500

Inconel Bar : UNS N06600, N06601, N06625, NO8800, N08810, UNS N08825, UNSN09925, UNS N07718

Types : Round, Square, Hex (A/F), Rectangle



FASTENERS & NUT-BOLTS

Stainless Steel : AISI 202, 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, Phosphetised, Cadium Plated, Hot Deep Galvanized, Bloodied, Nickel Chrome Plated etc.

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

Type : Bolts, Nuts, Washers, Anchor, Fastners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket, Screw, Fine Fasteners & Spares, Foundation Fasteners 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	
	AI SI	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/Te10xCmin	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-5608D	
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	-	-	-	



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APPLICATION INDUSTRIES

- Oil & Gas Industries
- Steel Plant & Rolling Mills Mfg.
- Automobile & Heavy Mobile Vehicle
- Material Handling Stores
- Agriculture Machinery Equipments
- Refineries
- Analyzer-lab & Testing Equipments
- Paint Industries
- Car Care Systems
- Life Sciences
- Super Market Storage & Rack System
- Automation Machinery
- Multi Parking Systems
- Military
- Power Generations Systems
- Cement Industry Machinery
- Motion & Control Tech. Equipment
- Hydrostatic Drive Systems
- Hydrostatic Press & Power Packs
- Cooling & Heating Systems
- Packaging Equipments
- Engines & Railways
- Pulp Paper Machinery
- Fuel Cells Components
- Machine Tool Application
- Industrial Mining Equipments
- Food & Beverage Equipments
- Marine Project
- Oil Mill Plants
- Aerospace & Aircraft System
- Pollution Control Equipments
- Offshore Engineering
- Plastic / Rubber Processing Machines
- Chemical Machinery
- Fire & Safety Industries

FORMULA OF CALCULATING WEIGHT

- **WEIGHT OF STAINLESS STEEL/CARBON STEEL PIPES & TUBES**
OD (mm)-W.T. (mm) X W.T. (mm) X 0.02466 = KG. / MTR.
- **WEIGHT OF STAINLESS STEEL SHEETS**
Length (mm) x Width (mm) x Thk. (mm) x 0.000008 = KG. / SHEET
- **WEIGHT OF CARBON STEEL SHEETS**
Length (mm) x Width (mm) x Thk. (mm) x 0.000008 = KG. / SHEET
- **WEIGHT OF STAINLESS STEEL CIRCLE & BLANKS**
D.D. (mm) x O.D. (mm) x Thk. (mm) x 0.0000063 = KG / PCS
- **WEIGHT OF STAINLESS STEEL ROUNDS**
Dia. (mm) x Dia. (mm) x 0.00623 = KG / MTR
- **WEIGHT OF STAINLESS STEEL HEXAGONAL RODS**
Dia. (mm) x Dia. (mm) x 0.00679 = KG. / MTR.
- **WEIGHT OF STAINLESS STEEL SQUARE RODS**
Dia. (mm) x Dia. (mm) x 0.00787 = KG. / MTR.
- **WEIGHT OF COPPER PIPES**
O.D. (mm)-W.T. (mm) x W.T. (mm) x 0.0285 = KG./MTR.
- **WEIGHT OF ALUMINUM PIPES**
O.D (mm)-WT (mm) x W.T. (mm) x 0.0282 = KG / MTR.
- **WEIGHT OF ALUMINUM SHEETS**
Length (mtr.) x Width (mtr.) x Thk. (mm) x 2.66 = KG. / SHEET
- **WEIGHT OF LEAD SHEETS**
Length (mtr.) x Width (mtr.) x Thk. (mm) x 11.2 = KG / MTR.
- **SHEET WIDTH REQD. FOR ROLLED & WELDED PIPES**
O.D. (mm) -Thk. (mm) x 3.14 = SHEET WIDTH (mm)
- **WEIGHT FOR SQUARE/RECTANGLE PIPES**
Length from 4 Angle (OD)/3.14-Thik (mm) x Thik. (mm) x 0.00756 = KG/PER FEET
- **WEIGHT FOR CONVERSION OF MTR. TO FEET**
Weight of 1. Mtr. ÷ 3.2808 - Feet
- **FORMULA FOR HEALTHY BUSINESS**
Honesty + Quality of Goods + Quick Service
+Reasonable rate = Good Health of Business

THIRD PARTY INSPECTION



BRANDS WE DEAL IN :

WEBSITE : www.sidharthmetalind.com

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Regd. Add. (Factory) : Ground Floor, Gala No. 25, S.R No. 21/1, Alpha Industries Bilalpada Vasai (East), Vasai Virar Palghar, Maharashtra- 401208

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INSTAGRAM ID : sidharth_metal_industries_21

GSTIN : 27LMDPS8091P1ZS