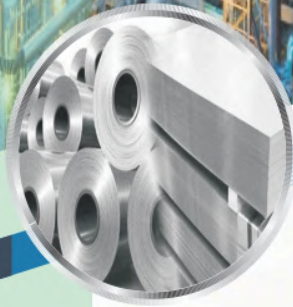
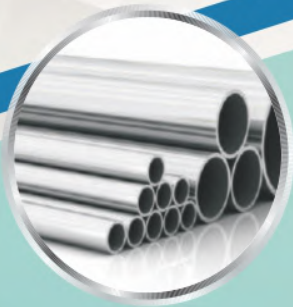


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SEMITEC PIPE & VALVE PVT. LTD.



**MANUFACTURER OF
STAINLESS STEEL**
BUTT WELD, FORGE FITTINGS
& ELECTROPOLISH PHARMA
VALVE FITTINGS

Email: sales@semitecpipe.com
Web: www.semitecpipe.com



Semitec Pipe & Valve Pvt. Ltd.

SEMITEC PIPE & VALVE PVT. LTD. is firmly established as one of the world's leading supplier of piping materials. The materials we supply are all of a high quality and are in accordance with ASTM, DIN, EN and ISO standards

We supply complete packages of pipes, butt weld fittings, forged fittings, olets, flanges, valves and studbolts in many different steel grades such as Carbon steel, Stainless steel, Alloy steel, Nickel Alloy, Duplex and Super Duplex steel. As well as offering standard products we also offer special pieces according to customer drawing whatever the requirement is for pipes, fittings or flanges.

The principles and standards of SEMITEC PIPE & VALVE PVT. LTD. has made the company one of the most reputed trading organization and we were able to satisfy all of our Regional and Global customers who are based in Europe, Russia, Middle East, Africa, Asia and American Markets.

We offer professional management of small and large scale projects, short lead times, on-time delivery and most importantly high quality products. The products we supply are fully approved by the major inspection authorities like TUV, Lloyd's, DNV, and B.V. and come with EN10204 3.1 certification. Our materials are used in critical applications, such as Chemical and Petrochemical plants, Oil installations, Power plants, Shipyards and Offshore platforms.



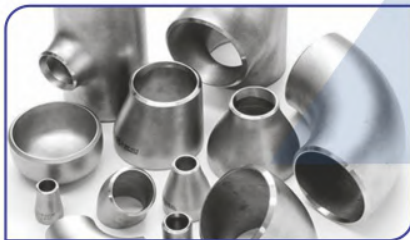
E-mail : sales@semitecpipe.com



Website : www.semitecpipe.com



MANUFACTURE BUTTWELD FITTINGS.....



S.S. Butt weld Fittings



M.S. Butt weld Fittings

Stainless Steel	: ASTM A403, WP304,304L,304H,316, 316L,317,317L,321,310,347,904L
Carbon Steel	: ASTM A234 WPB,A420 WPL3,A420 WPL6, MSS-SP-75 WPHY 42/46/52
Alloy Steel	: ASTM A234WP1,WP5,WP9,WP11,WP22
Duplex & Super Duplex	: UNS S31803, UNS S32750, UNS S32760,
Hastelloy Alloy	: ASTM B366 Hastelloy B2, Hastelloy C276, Hastelloy C22
Incoloy Alloys	: ASTM B366 Alloy 20, Alloy 800H/800HT, Alloy 825, Alloy A286
Inconel Alloys	: ASTM B366 Alloy 600, Alloy 601, Alloy 625, Alloy 718, Alloy 725,
Monel Alloys	: ASTM B366 Monel 400, Monel K500.
Size	: 1/4" NB TO 24" NB (seamless) 4" NB TO 72" NB (welded)
Wall Thickness	: Sch. 5s To Sch. XXS

TYPE OF BUTTWELD FITTINGS

- TEE (EQUAL /UNEQUAL)
- ELBOW (1D/1.5D/3D/5D)
- REDUCING TEE
- LONG STUB BEND
- SHORT STUB BEND
- REDUCER (CONCENTRIC/ECCENTRIC)
- RETURN BENDS
- MITER BENDS



MANUFACTURE FLANGES.....

- Stainless Steel & Duplex Steel
- Nickel Alloy
- Carbon Steel

Stainless Steel	: ASTM A182, F304,304L,304H,316, 316L,317,317L,321,310,347,904L
Carbon Steel	: ASTM A105,A694 F42,A350 Lf2
Duplex & Super Duplex	: UNS S31803, UNS S32750, UNS S32760,
Hastelloy Alloy	: ASTM B564 Hastelloy B2, C276, C22
Incoloy Alloys	: ASTM B564 Alloy 20, Alloy A286 Alloy 800H/800HT, Alloy 825,
Inconel Alloys	: ASTM B564 Alloy 600, Alloy 601, Alloy 625, Alloy 718, Alloy 725,
Monel Alloys	: ASTM B564 Monel 400, Monel K500.
Alloy Steel	: ASTM A182 F1,F5,F9,F11,F22,F91
Size	: 1/2" NB TO 72" NB
Class	: 150#, 300#, 600#, 900#, 1500# & 2500#.



S.S. Flanges



M.S. Flanges

TYPE

- PLATE BLANK FLANGE
- LAP JOINT FLANGE
- WELDNECK FLANGE
- ORIFACE FLANGE
- LONG WELD NECK FLANGE
- SCREWED FLANGE
- SOCKETWELD FLANGE
- BLIND FLANGE
- RTJ FLANGE
- THREADED FLANGE



MANUFACTURE S.S. / M.S. VALVE



SS FLANGE BALL VALVE

CAST IRON

DESIGN : 1PC / 2PC/ 3PC,
ENDS : SCREWIID/SOCKET WILD FLANGED
SIZE : 15 MM TO 400MM

STAINLESS STEEL

MCC : SS304/316 (BAR STOCK), **DESIGN :** 1PC/3PC
ENDS : SCREWED / SOOKT WELD/ FLANGE)
SIZE : 6MM TO 100MM



MS FLANGE BALL VALVE



SS GLOBAL VALVE

BS 5352 BS 6755 / BS1813 / BS 6755 ASME B 13.4 DIN 3356
STAINLESS STEEL (BAR STOCK)

RATING: 150X300#/800#/1500#, **Size :** 15 MM TO 400 MM
Forged Carbon Steel S. Steel

RATING : 150# / 300# / 800/1500#, **Size :** 15MM TO 400MM

Cast Carbon Steel S.Steel Alloy Steel

RATING : 150#/1300#/ 800 #/1500 #, **Size :** 15 MM TO 400 MM

CAST IRON

RATING : 125 / 150#, **SIZE :** 25MM TO 600MM



MS GLOBAL VALVE



SS GATE VALVE

BS 1414/BS 5352/API 600 API 602/API 6D / ASME B 16.34 / API 598
STAINLESS STEEL (FORGED)

RATING : 150# / 300#, **SIZE :** 8 MM TO 100 MM

FORGED CARBON STEEL / S. STEEL

RATING : 150#/300#/800#/1500#, **SIZE :** 15 MM TO 600MM

CAST CARBON STEEL/ S. STEEL ALLOY STEEL

RATING : 150#/300#/800#900#, **SIZE :** 25MM TO 600MM,

CAST IRON

RATING : 125#1150#, **SIZE :** 25MM TO 600MM



MS GATE VALVE



SS NON RETURN VALVE

BS 6755 / BS 1868

STAINLESS STEEL (BAR STOCK)

ASME B 16.34 API 6D Rating .150#300#

Size : 8 MM to 100 MM, **FORGED CARBON STEEL / S. STEEL**

Rating : 150# / 300# / 1600#11500#, **Size :** 15MM to 400MM

CAST IRON

Rating : 150# 300#, **Size :** 25MM to 600MM



MS NON RETURN VALVE



BUTTERFLY VALVE

API 609/BS 5155/18S 13095 / CAST IRON OPERATING : LEVER/MANUAL GEAR

DESIGN : SURE SEAL / REPLACEABLE, RUBBER LINING

ENDS : WAFER TYPE/DOUBLE FLANGE, **SIZE:** LUG TYPE, **DESIGN :** 40 M TO 500MM

OPERATION : OFFSET DISC, **SIZE :** LEVER / GEAR (ISI MARKED) 350MM TO 1200MM

CAST CARBON STEEL

DESIGN : SURE SEAL / REPLACEABLE, **ENDS :** RUBBER LINING

SIZE : WAFER TYPE, 40 MM TO 400 MM

STAINLESS STEEL

DESIGN : OFFSET DISC, **OPERATION :** LEVER / MANUAL GEAR, **ENDS :** WAFER TYPE

SIZE : 40 MM TO 400 MM, **MFG. STD :** BS 5155 / AWWA C 504 API 609/IS 13095

TEST STD : BS 5155 / BS 6755



MANUFACTURE SOCKETWELD FITTING



S.S. Socketweld Fitting



M.S. Socketweld Fitting

Stainless Steel : ASTM A182, F304,304L,304H,316
316L,317,317L,321,310,347,904L
High Nickel : Monel, Nickel, Inconel, Hastelloy
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 : 3000#, 6000#, 9000#

- Stainless Steel & Duplex Steel
- Nickel Alloy & Copper Nickel Alloy
- Carbon Steel & Alloy Steel

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

Salient features :

- Server vibration under impulse pressure
- Static Pressure
- High tolerance
- Dimensional preciseness
- Corrosion resistance
- Long service life
- Perfect installation & application
- Study construction
- Fast performance



S.S. Fasteners



M.S. Fasteners

Stainless Steels : 304, 316, 303, 304/304H, 316/316L, 317/317L, 17/4PH, 410, 431, Nitronic 50, Nitronic 60, Nimonic 80A

Carbon Steel : 4.6, 8.8, 10.9, 12.9.

Duplex & Super Duplex : UNS S31803, UNS S32750, UNS S32760, UNS S32550, 254SMO

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

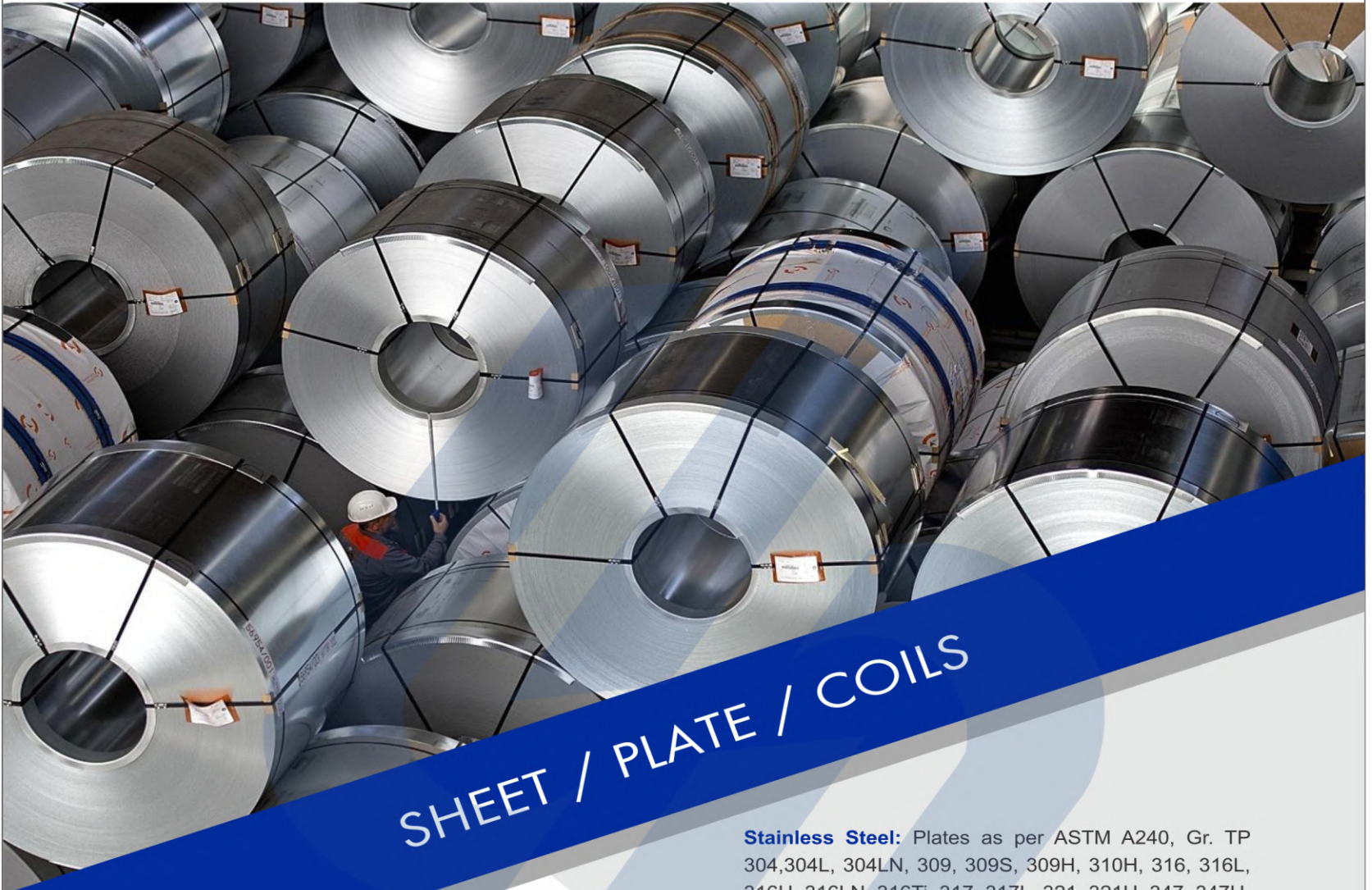
Incoloy Alloys : Incoloy Alloy 20, Incoloy Alloy 800, Incoloy Alloy 800H/800HT, Incoloy Alloy 825, Incoloy Alloy 925, Incoloy , Alloy A286

Inconel Alloys : Inconel Alloy 600, Inconel Alloy 601, Inconel Alloy 625, Inconel Alloy 718, Inconel Alloy 725, Inconel Alloy X750

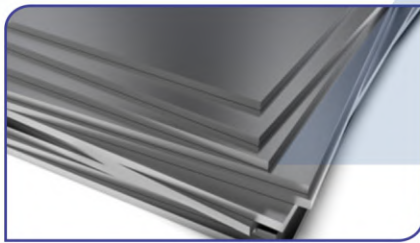
Monel Alloys : Monel 400, Monel R405, Monel K500.

TYPES

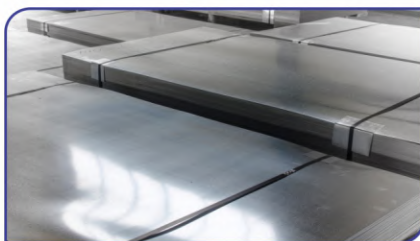
- ANCHOR FASTENERS
- STUD BOLTS
- HEX HEAD BOLTS
- THREADED ROD
- SOCKET CAPS SCREW
- COUNTERSUNK BOLTS
- HEX NUTS
- FLAT / SPRING / LOCK WASHERS
- EYE BOLTS
- FOUNDATION BOLTS



SHEET / PLATE / COILS



S.S. Sheet



M.S. Sheet

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

Nickel Alloy

ASTM / ASME SB 162 UNS 2200 (NICKEL 200)
ASTM / ASME SB 162 UNS 2201 (NICKEL 201)
ASTM / ASME SB 127 UNS 4400 (MONEL 400)
ASTM / ASME SB 463 UNS 8020 (ALLOY20 / 20 CB 3)
ASTM / ASME SB 424 UNS 8825 (INCONEL 825)
ASTM / ASME SB 168 UNS 6600 (INCONEL 600)
ASTM / ASME SB 409 UNS 8810/8811 (INCONEL 800/800HT)
ASTM / ASME SB 443 UNS 6625 (INCONEL 625)
ASTM / ASME SB 575 UNS 10276 (HASTELLOY C276)

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

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.

Range: 0.5 mm To 200 mm thick in 1000 mm To 3000 mm width & 2500 mm to 12500 mm length available with NACE MR 01-75



STAINLESS STEEL PIPES & TUBES



S.S. Pipe & Tubes



M.S. Pipe & Tubes

Stainless Steel

ASTM / ASME SA 312 GR. TP 304, 304L, 304H, 309S, 309H, 310S, 310H, 316, 316TI, 316H, 316LN, 317, 317L, 321, 321H, 347, 347H, 904L.

ASTM / ASME SA 358 CL 1 & CL 3 Gr. 304, 304L, 304H, 309S, 309H, 310S, 310H, 316, 316TI, 316H, 321, 321H, 347, 347H.

Nickel Alloy

ASTM / ASME SB 161/B725/B730 UNS 2200 (NICKEL 200)

ASTM / ASME SB 161/B725/B730 UNS 2201 (NICKEL 201)

ASTM / ASME SB 165/B725/B730 UNS 4400 (MONEL 400)

ASTM / ASME SB 729/B464/B468 UNS 8020 (ALLOY20 / 20 CB 3)

ASTM / ASME SB 423/B705/B704 UNS 8825 (INCONEL 825)

ASTM / ASME SB 167/B517/B516 UNS 6600 (INCONEL 600)

ASTM / ASME SB 407/B514/B515 UNS 8810/8811 (INCONEL 800/HT)

ASTM / ASME SB 444/B705/B704 UNS 6625 (INCONEL 625)

ASTM / ASME SB 622/B619/B622 UNS 10276 (HASTELLOY C276)

Duplex Steel

ASTM / ASME SA 790 UNS NO: 31803 / 32760

Carbon Steel

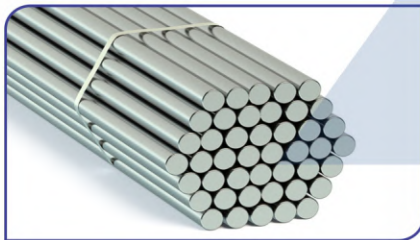
ASTM / ASME A 53 GR. A & B, ASTM A 106 GR. A, B & C. API 5L GR. B, API 5L X 42, X 46, X 52, X 60, X 65 & X 70. ASTM / ASME A 691 GRA, B & C

Alloy Steel

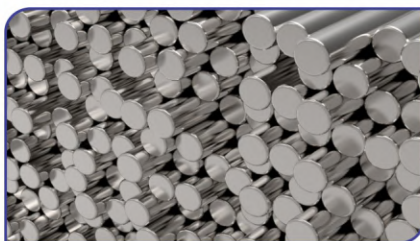
ASTM / ASME A 335 GR P 1, P 5, P 9, P 11, P 12, P 22, P 23, P 91



ROUND BAR



S.S. Round Bar



M.S. Round Bar

- Stainless Steel & Duplex Steel
- Nickel Alloy
- Carbon - Nickel Alloy

Stainless Steels : 347, 310, 303, 304/304H, 316/316L, 317/317L, 17/4PH, 410, 431, Nitronic 50, Nitronic 60, Nimonic 80A

Duplex & Super Duplex : UNS S31803, UNS S32750, UNS S32760, UNS S32550, 254SMO

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

Inconel Alloys : Inconel Alloy 600, Inconel Alloy 601, Inconel Alloy 625, Inconel Alloy 718 Inconel Alloy 725, Inconel Alloy X750

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

Type : Round / Square / Hexagonal / Rectangular



APPLICATION INDUSTRIES



- Natural Gas
- Water Disposal
- Chemical Engineering
- Cement Industries

- Refinery Plants
- Oil & Gas
- Power
- Ship Building

FORMULAE OF WEIGHT

➔ **WEIGHT OF STAINLESS STEEL PIPE & 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 Meter
 Length (Ft.) X Width (Ft.) X Thk (mm) X 3/4 = Kg. Per Feet

➔ **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 LEAD 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 |



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SEMITEC PIPE & VALVE PVT. LTD.

Stockist, Manufacture & Suppliers of :

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Website : www.semitecpipe.com

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