



APEX STEEL CO.

Quality is our top priority



Stockist & Suppliers of :

Stainless Steel
Carbon Steel
Mild Steel
Aluminum, Brass, Copper
& All type of Industrial Raw Materials.

Manufactures of:

Stainless Steel But weld Fittings
Stainless Steel Dairy Fittings
Stainless Steel Flanges
Stainless Steel Fasteners



Respected Customer

To,
Purchase Manager (SCM)

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

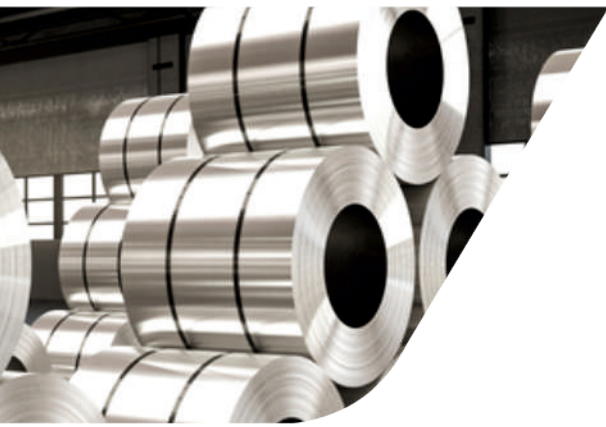
We Interdicted this moment to present ourselves as one of the leading and largest importers, Stockists, and Suppliers of all types of Ferrous and Non-Ferrous Metals, We are also Manufacturers of Stainless Steel Pipes in all Grades Shapes and Sizes.

We have technical know-how in this trade and are well versed in project and maintenance suppliers to various organizations in CHEMICALS, FERTILISERS, PETROCHEMICALS, NUCLEAR POWER, THERMAL POWDER, CEMENT, PAPER, REFINERS, etc. Catering towards their requirements, on 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, awaiting the opportunity of serving your prestigious firm items to come.

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

For, **APEX STEEL CO.**



Organization Setup

Company Name	:	APEX STEEL CO.
Regd. Office	:	SB-10 Sonapark Complex Near Rambaug Society, Makarpura Vadodara- 390 010
Telephone	:	722691 0797 , 0265-2635166
Email	:	apexsteel47@gmail.com
Website	:	www.apexsteel.co.in
Activities	:	Pipes, Pipe Fittings, Flanges & Fastners
GSTIN	:	24ANYPC5004B1ZG
Pan No.	:	ANYPC5004B
IEC Code	:	ANYPC5004B
MSME No.	:	GJ24A0010098
Udyam Registration No	:	UDYAM-GJ-24-0005093
ISO Certificate	:	ISO 9001:2015
Online Registration	:	GEM PORTAL , E PROCURE ,
Contact Person	:	N PROCURE , DAE PORTAL Megharam Choudhary +91 96621 61531 / +91 93754 11177
Items Imported/ Stocked	:	As Per Our Stock Trade List
Manufacturers	:	As Per List
Testing Facility	:	At Outside Govt. Approved Lab
Inspection	:	Any Third Party



CHEMICAL COMPOSITION OF STAINLESS STEEL

Grade AISI	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
301	0.15	2.0 max	0.045	0.040	1.0	16.0/18.0	6.0/8.0	-	-	10Cr 17Ni7	-
302	0.15	2.0	0.045	0.030	1.0	17.0/19.0	8.0/10.0	-	-	07Cr18Ni9	En-58A
303	0.15	2.0	0.045	-	1.0	17.0/19.0	8.0/10.0	-	-	15Cr18Ni9	En-58M
304	0.08	2.0	0.045	0.030	1.0	18.0/19.0	8.0/10.0	-	-	04Cr18Ni10	En-58E
304L	0.030	2.0	0.045	0.030	1.0	18.0/20.0	8.0/10.0	-	-	02Cr18Ni11	-
308	0.08	2.0	0.040	0.030	1.0	10.0/21.0	10.0/12.0	-	-	-	-
309	0.20	2.0 max	0.045	0.030	1.0	22.0/24.0	12.0/15.0	-	-	20Cr24Ni12	-
309S	0.08	2.0	0.045	0.030	1.0	22.0/24.0	12.9/15.0	-	-	-	-
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	0.040	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
316L	0.030	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	-	03Cr17Ni12Mo2	-
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	-	Tiy5 c Min	-
316TI	0.080	2.0	0.045	0.030	1.0	16.0/18.0	10.0/14.0	2.0/3.0	Ti5xCmin	-	-
321	0.08	2.0	0.045	0.030	1.0	17.0/19.0	9.0/12.0	-	Ti5xcmin	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
430	0.12	1.0	0.040	0.030	0.75	14.0/18.0	0.60	-	-	07Cr17	En-60
446	0.20	1.50max	0.040	0.030	1.0	23.0/27.0	0.60max	-	N-25max	-	-
403	0.15	1.0	0.040	0.030	0.50	11.5/13.0	0.60	-	-	-	-
410	0.15	1.0	0.040	0.030	1.0	11.5/13.5	0.60	-	-	12Cr13	En-58A
410S	0.08	1.0	0.040	0.030	1.0	11.5/13.5	0.60max	-	-	-	-
414	0.15	1.0max	0.040	0.030	1.0	11.5/13.5	1.25/2.5	-	-	-	-
420	Over .15	1.0	0.040	0.030	1.0	12.0/14.0	0.60	-	-	22Cr13	En56C&D
431	0.20	1.0max	0.040	0.030	1.0	15.0/17.0	1.25/2.50	0.75max	-	15Cr16Ni2	En-57
440A	0.60/0.70	1.0	0.040	0.030	1.0	16/18	-	-	-	-	-
440B	0.75	1.0	0.040	0.030	1.0	16.0/18.0	-	0.75max	-	-	-
409	0.08	1.0	0.045	0.030	1.0	10.5/11.75	0.50max	-	6x%cmmin.75max	-	-
440C	0.96	1.0	0.040	0.030	1.0	16/18	-	0.75max	-	-	-
409M	0.028	0.8/1.2	0.030	0.030	1.0	11.0/12.0	0.75	-	T10.25/0.75	-	-
446	0.20	1.50	0.040	0.030	40to75	23.0/30.0	0.50	-	-	N 0.25max	-



PIPES & 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, B/API5L, B/APL5L, Gr. X45, 46, 52, 56, 60, 65, 70, Low Temperature Carbon Steel: A333 Gr.3, Gr.6 etc.

Nickel Alloys : ASTM A335 Gr. P1, P5, P9, P11, P22, P91 etc.

Nickel Alloys : Monel, Nickel, Inconel, Hastalloy, Titanium, Titanium, Tantalum, Bismuth, Aluminum, High Speed Steel, Non-Ferrous Metal, Copper, Brass, Bronze, Zinc, Lead etc.

Types : Round, Square, Rectangular

Size : Upto 24" NB (Seamless & Welded)

Wall Thickness : SCH 5S, SCH 10S, SCH 20S, SCH 40S, SCH 80S, SCH 120S, SCH 160S, SCH XXS



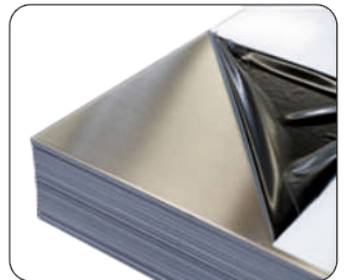
RODS & WIRE :

We well also providing Stainless Steel Round Bar & Ware in Grade 202, 304, 304L, 309, 310, 310S, 316, 316L, 321, 410, 420 & 430 etc. As per customer requirement.



SHEET & COIL

We well also providing Stainless Steel Sheet/ Coil in All Size & Grade 202, 304, 304L, 309, 310, 310S, 316, 316L, 321, 410, 420 & 430 etc. As per customer requirement.

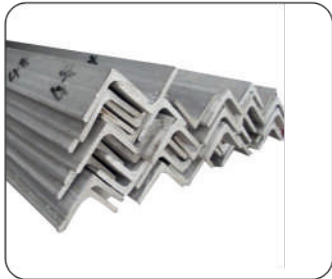
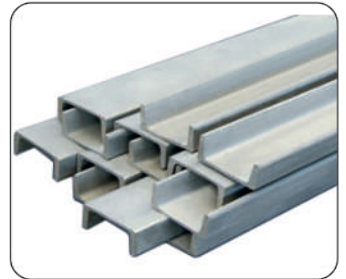


ANGLE & CHANNEL

Grade : 304, 304L, 316Ti, 321 In All Size & Thickness Available

Copper : Strips in Coil, Bus Bar, Tape, Square Bar, Hexagon & Pipe Fittings.

Brass : Gr. 63/37, 70/30, Admiralty Brass, Aluminum Brass & Other Composition of Brass Round Sheet.





BUTT-WELD FITTINGS



The following table represents size range, product standards and material grades of industrial pipe fittings like stainless steel, carbon steel & alloy steel pipe fittings etc. The range includes.

MATERIAL TYPE:-

Stainless Steel	: ASTM A403 WP304, 304L, 304H, 316, 316L, 316Ti, 317, 317L, 321, 309, 310, 310S, 347, 347H, 904L etc.
Carbon Steel	: ASTM A-234 WPB/A420 WPL 3/A420 WPL6/MSS-SP-75 WPHY 42/46/52/56/60/65/70 etc. (IBR & NON IBR)
Alloy Steel	: ASTM A234, GR.WP1, WP5, W9, WP11, WP12, WP22, WP91 etc.
Others	: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.
Type	: Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Nipple, Cross, Insert etc.
Size Range	: 1/8" NB to 48" NB [Seamless & ERW (Welded)]
Wall Thickness	: Sch. 5S to Sch. XXS

Used to allow flow of Fluids, like steam, water, air, oil, etc, through the desired cross-section with diversion of flow to the desired point

SOCKET-WELD FITTINGS



FORGED FITTINGS SOCKET WELD

The following table represents size range, product standards and material grades of forged high pressure fittings, socket, weld like stainless steel, carbon steel & alloy steel etc. The range includes:

MATERIAL TYPE:-

Stainless Steel	: ASTM A182 F304/304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 904L etc.
Carbon Steel	: ASTM A105/ A105N/ A694 F42/46/52/56/60/65/70/A350LF3/A350LF2 etc.
Alloy Steel	: ASTM A182 F1/F5/F9/F11/F22/F91 etc.
Others	: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.
Type	: Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Swage nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Barrel Nipple, Welding Nipple, Parallel Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Cross, Weldolet, Elbowlet, Sockolet, Thredolet, Nipolet, Letrolet etc.
Size Range	: 1/8" NB to 4" NB (Socketweld)
Wall Thickness	: 150#, 3000#, 6000# & 9000#.

Used To Allow Flow Of Fluids, Like Steam, Water, Air, Oil, Etc, Through The Desired Size Of Flowing Cross-section With Diversion Of Flow To The Desired Point Under Critical Working Conditions.



SCREWED FITTINGS



FORGED FITTINGS SCREWED

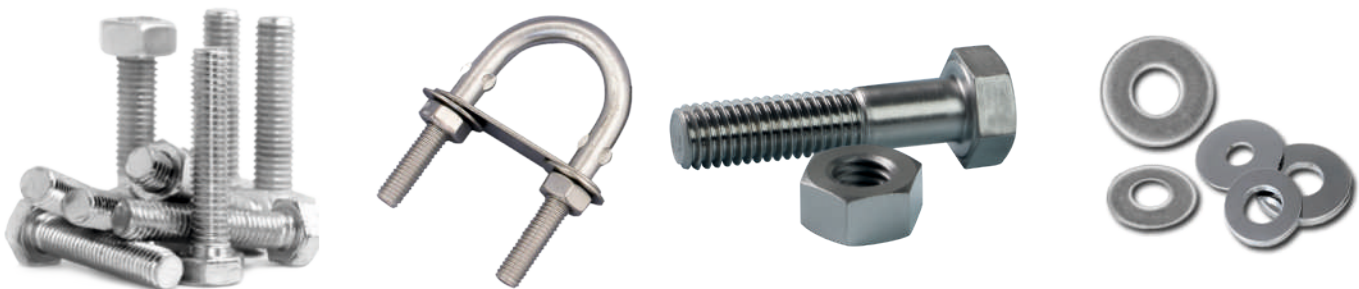
The following table represents size range, product standards and material grades of forged high pressure fittings, screwed, like stainless steel, carbon steel & alloy steel etc. The range includes:

MATERIAL TYPE:-

Stainless Steel :	ASTM A182 F304/304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.
Carbon Steel :	ASTM A105/ A105N/ A694 F42/46/52/56/60/65/70/ A350LF3/ A350 LF2 etc.
Alloy Steel :	ASTM A182 F1/F5/F9/F11/F22/F91etc.
Others :	Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.
Type :	Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Swage nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Welding Nipple, Parraler Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Cross, Weldolet, Elbowlet, Sockolet, Thredolet, Nipolet Letrolet etc.
Size Range :	1/8" NB to 4" NB (Threaded)
Wall Thickness:	150#, 3000#, 6000# & 9000#.

Used to allow of fluids through desired sizes of flowing cross - section with diversion of flow to the desired points under normal condition.

FASTENERS



The following table represents size range, product standards and material grades of fasteners like stainless steel, carbon steel & alloy steel etc. Our range includes:

MATERIAL TYPE:-

Stainless Steel :	AISI 302, 304, 304L, 316, 316L, 310, 317, 317L, 321, 347, 410, 420, 904L etc. 4.6, 5.6, 6.6, 9.9, 10.9 & 12.9 / 'R', 'S', 'T' Conditions.
Carbon Steel :	Bare Condition, Galvanized, Phosphetised, Cadum Plated etc.
Alloy Steel :	Hot Deep Galvanized, Bloodied, Nickel Chrome Plated etc.
Others :	Copper, Brass, Aluminum, Titanium, Nichrome, Al. Bronze, Phosphorous Bronze etc.
Type :	Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolt, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Screw, Fine Fasteners & Spares, Foundation Fasteners etc.



FLANGES



SCREWED



BLIND



SLIP-ON



WELDNECK

FORGED FITTINGS SOCKET WELD

The following table represents size range, product standards and material grades of industrial steel flanges, stainless steel, carbon steel & alloy steel flanges etc. The range includes:

MATERIAL TYPE:-

Stainless Steel	: ASTM A-240/A182 F 304, 304L, 304H, 316, 316L, 316Ti, 309, 309H, 310, 310S, 317, 317L, 321, 347, 904L.
Carbon Steel	: ASTM A105/IS- 2062, A350 LF3/A350 Lf2, Lf3 etc. (IBR & NON IBR)
Alloy Steel	: ASTM A182 F1/F5/F9/F11/F22/F91etc.
Others	: Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.
Type	: Slipon, Blind, Weld Neck, Socket Weld, Screwed, Lap Joint, Ring Joint, Spectacle, Orifcae, Reducing, Plate, Plate Blank etc.
Size Range	: 1/2" NB to 48" NB
Wall Thickness	: 150#, 300#, 600#, 900#, 1500#, 2500#, BS-10 Standard Table D, E, F, H & ALSO DIN Standard

VALVES



GLOBE VALVE



GATE VALVE



BUTTERFLY VALVE



SPHERICAL
DISC VALVE



NON RETURN VALVE



STRAINER
VALVES



DAIRY FITTINGS



3 Way Valve



2 Way Valve



Butterfly Valve



Butterfly Valve



3 Way TC Ball Valve



TC Ball Valve



3 Way Butterfly



Diaphragm Valves



Micro Valve



Sight Glass Valve



Flow Control Valve



TC & NRV



Sample Cock



Sandwich Butterfly Valve



Conical Disk Filter



Float Valve



Butterfly Tank Valve



Master Valve



Micro Filter



Filter Housing



Tri Clover Clamp



Pipe Holder



Elbow



Dairy Bend



Tee



TC Bend



TC Y Type Tee



TC Tee



TC Ferrule



TC Clamp



DAIRY FITTINGS



TC Hose



Expandable Union



IC Union



SMS Union



Spray Ball



Spray Ball



Ferrule Blind



CamLock Coupling



Plug



Hex Nipple



Coupling



Tee



Check Nut



Cross Tee



Elbow



Reducer



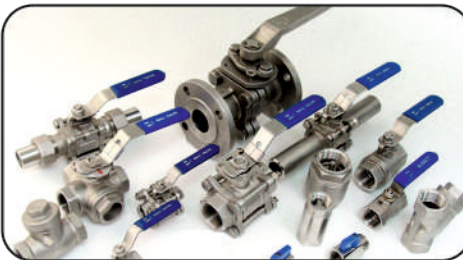
Hose Nipple



Barrel Nipple



Con. Reducer



Ball Valves



Valves



Female



Female



Female



Union Elbow



Union Cross



Union Cross



APPLICATION OF INDUSTRIES



IRON & STEEL PLANT



MINES



DISTILLERIES



CEMENT PLANT



PAPER INDUSTRIES



FERTILIZER INDUSTRIES



CHEMICAL INDUSTRIES



SOLAR ENERGY



BEVERAGE INDUSTRIES



OIL & GAS INDUSTRIES



REFINERY PLANT



TEXTILE INDUSTRIES



PHARMACY INDUSTRIES



SUGAR INDUSTRIES



DAIRY INDUSTRIES



FOOD INDUSTRIES



AUTOMOBILE INDUSTRIES



POWER PLANT

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 Tnk. (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

We provide you the Highest Quality Service,
Which Compels You to use it!



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