

YOUR TOTAL PIPING SOLUTIONS...

API/ASTM STANDARD LINEPIPES, FITTINGS
FLANGES, VALVES, PLATES & ACCESSORIES.



USMAN ENTERPRISE

IMPORTERS & STOCKISTS



ISO 9001:2008 CERTIFIED

Pakistan's Leading Stockist for Quality Pipes, Fittings, Flanges, Valves & Acc.

INTRODUCTION

Usman Enterprise is the Pakistan's leading stockiest for the quality Pipes, Fitting, Flanges, Valves & Accessories and was established in 1985. This company later expanded to encompass the oil & gas industry, as well as in wide spectrum of energy-related businesses. The company is completely conversant with all international codes and standards as applicable in Engineering fabrication & construction, in order to serve all of our current & prospective client in most profession & professional manner. To date, the business has grown to include subsidiaries / associated offices spanning in Pakistan & Singapore regions. We have also develop the relations with world's prime manufacturers / suppliers by performing this strategic relationship, we have developed a very strong products availability and support network. Due to this strong network we have always been successful in providing our client best possible product in competitive prices.

OUR MISSION

Provide our valued customer with quality products and services that will guarantee customer satisfaction at all time.

- Maintain strong, lasting & healthy relations with our suppliers.
- Ensure a safe working environment for all employees in an atmosphere that encourages and appreciates excellence.
- To be creative, efficient and ultimately fit and competitive to achieve the company's objectives.

OUR COMMITMENT

It is our commitment to provide excellent product and services to our customer. Be its sales, after sales services, delivery fulfillment or simply and enquiry, we are ready to respond in the quickest time. To keep up with today's rapidly changing global market place, we conduct regular training, both in-house and external, on a regular basis so as to upgrade and maintain our level of proficiency.



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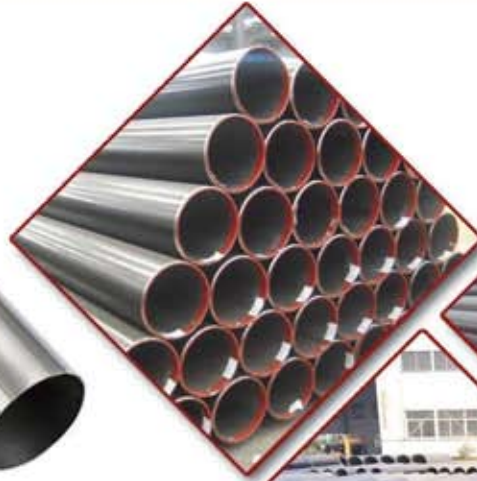
CUSTOMER RELATIONS

Management procedures have been developed and implemented to ensure that our customers receive a rapid response to their enquiries. An understanding of the needs & activities of our customers is essential, and every effort is made to support each link in the chain from material order to supply. Our customers are provided with full information on delivery time and other important details at the time of order placement. Our sales staff is available to respond to any customer queries and provides the necessary sales and after sales back up whenever required. The Company has recognized the importance of quality, reliability at cost effective prices and looks forward to build long term relationship with all its customers. The Company has been supplying pipes, fittings, flanges, valves and other piping components to a wide variety of energy intensive industries, power generation, oil refining, petrochemical, LNG & LPG production, shipbuilding, electro mechanical, etc. The Company has been also accredited the ISO 9001:2008 standard for stocking and sales order processing of the flow control equipment and part, as well as our warehouse managing procedure. As specialist in Pipes, Fitting, Flanges & Valves bulk materials, we maintain comprehensive inventory in excess of meet our customer every need at any time.

CUSTOMER SATISFACTION

We pride ourselves on building quality satisfaction with our customers who counts on us for superior quality and unsurpassed service. The most important aspect of service is giving clients what they want, when they want it. This means not only materials being on site, on time, it can also include supplying advice, technical assistance, budget prices, availability of products for emergency situations. Having adopted this principle, the name Usman Enterprise has become synonymous with service and with highest quality pipes, valves, fitting and flanges and the success of these endeavors is reflected the confidence shown in Usman Enterprise today by its many customers.





Dimensional standard

ASTM, ANSI/ASME, B16.10
API 5L B16.10

Wall Thickness

Schedule 10; 20; 30; 40; 80; 100; 120; 160 ;
STD; XS and XXS.

Material Grade

ASTM/SA A106 GR.B, A53 GR.B, API 5LGR.B, X42, X52, X60, ASTM A312
TP-304, 304L, 316, 316L, ASTM A333 GR6, ASTM A335 P5, P11

Material Types

Carbon Steel, Stainless Steel,
E.R.W, S.A.W, ALLOY, SPIRAL WELDED

Sizes

1/4" to 42"

Special Items

Inconel/Nickel Alloy Steel/High Alloy/Duplex and other exotic materials.

We have the resources to assist and cater to any of your needs.

Let us know your expectation, and we will package to a timely delivery.

ASTM A106 GR.A, A016 GR.C, API 5L-GRADES, A312, TP 304H, 321H, 347H, 309, 310,
ALLOY 20, ASTM A335, P1, P11, P22, P5, P9





Dimensional standard

A.N.S.I B16.9 / B16.28

Wall Thickness

Schedule 10; 20; 30; 40; 80; 100; 120; 160 ;
STD; XS and XXS.

Material Grade

ASME/ASTM SA/A 234 WPB; SA/A 420 WPL6
ASME/ASTM SA/A 403 WP304/L; SA/A 403 WP316/L

Material Types

1/2" thru 42" Elbow 45 & 90 degree Long & Short Radius
1/2" thru 42" Tee Straight and Reducing
1/2" thru 42" 180 Degree Return Bends Long & Short Radius
1/2" thru 42" Reducer Concentric and Eccentric
1/2" thru 42" Cap

Special Items

Nickel Alloy Steel/ High Alloy/ Duplex and other exotic materials.

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A420 WPL3 - A234 WP1- A234 WP5- A234 WP9- A234 WP11- A234 WP22-

A403 WP304H- A403 WP316H- A403 WP321/ 321H- A403 WP347/ 347H- UNS

S31803- ALLOY 20- MONEL 400





Dimensional standard

A.N.S.I. B16.11 / Threading To A.N.S.I B2.1

Grade

ASME / ASTM SA / A 105N; S / A 350 LF2

ASME / ASTM SA / A 182 F304 / L; SA / A 182 F316 / L

Ratings

3000#Npt & SW 1/4" thru 3"

6000#NPT & SW 1/2" thru 3"

9000#SW 1/2" thru 3"

Type

- Elbow 45 & 90 Degree
- Street Elbow
- Coupling Full, Half & Reducing
- Tee Equal & Reducing
- Union
- Union Male X Female
- Cap
- Boss
- Plug Hex Head, Round Head & Square Head
- Hex Nipples & Reducing
- Hex Bushing
- Cross
- Reducing Inserts
- Bull Plug

Plugs And Bushing Are Not Identified By Pressure Class. They May Be Used for Rating up Though Pressure Class 6000

Swage Nipples – Concentric & Eccentric As Per BS. 3799 And Manufacturers Standard

1/4" Thru 2" (PBE/TBE) Sch 80 / 160 / XXS

1/4"Thru 2" Pipe Nipples Seamless As Per A.N.S.I. B36. 10 / Astm A106 Gr.B (Original From Mills)

(TBS / TOE / POE) Sch 80 / 160 / XXS

Special Items

Nickel Alloy Steel / High Alloy / Duplex and other exotic materials.

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•A350 LF3 •A182 F1 •A182 F5 •A182 F9 •A182 F11 •A182 F22 •A182 F304H

•A182 F316H •A182 F321 / 321H •A182 F347 / 347H •UNS S31803 •ALLOY 20 •MONEL 400



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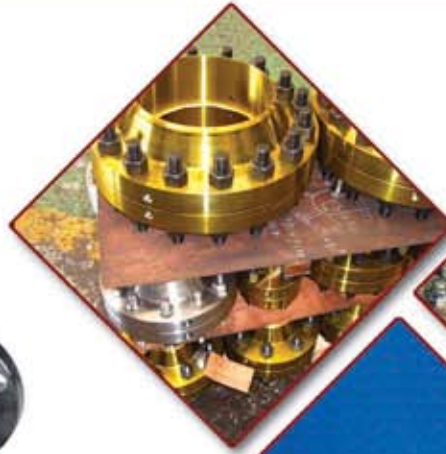
Forged Branch Outlet Fittings as per MSS-SP-97

Product Range	Competitor Range	Ratings Size available	Sizing Ranges
BUTT-WELD PIPET (BWP)	WELDOLET (WOL)	STD XS SCH 160 XXS	1/2" THROUGH 24" 1/2" THROUGH 24" 1/2" THROUGH 8" 1" THROUGH 8"
B/W ELBO PIPET (BEP)	ELBOLET B/W (EOL)	STD XS	1/2" THROUGH 4" 1/2" THROUGH 4"
B/W LATERAL PIPET (BLP)	LATROLET B/W (LOL)	STD XS	1/2" THROUGH 4" 1/2" THROUGH 4"
THREADED PIPET (THP)	THREDOLET (TOL)	3000# 6000#	1/2" THROUGH 4" 1/2" THROUGH 2"
THREADED ELBO PIPET (TEP)	ELBOLET NPT (EOL)	3000# 6000#	1/2" THROUGH 2" 1/2" THROUGH 2"
THREADED LATERAL PIPET (TLP)	LATROLET NPT (LOL)	3000# 6000#	1/2" THROUGH 2" 1/2" THROUGH 2"
THREADED NIPPLE PIPET (TNP)	NIPOLET NPT (NOL)	3000# /SCH.160 6000#/ XXS	1/2" THROUGH 2" 1/2" THROUGH 2"
SOCKET WELD PIPET (SWP)	SOCKOLET (SOL)	3000# 6000#	1/4" THROUGH 3" 1/2" THROUGH 2"
S/W ELBO-PIPET (SEP)	ELBOLET S/W (EOL)	3000# 6000#	1/2" THROUGH 4" 1/2" THROUGH 4"
S/W LATERAL PIPET (SLP)	LATROLET (LOL)	3000# 6000#	1/2" THROUGH 4" 1/2" THROUGH 4"
PLAIN-END NIPPEL PIPET (PNP)	NIPOLET P/E (NOL)	3000#SCH.80 6000#SCH.106 9000#/XXS	1/2" THROUGH 4" 1/2" THROUGH 4" 1/2" THROUGH 4"
B/W VESSELET (BWV)	SWEEPOLET (SEOL)	TO BE SPECIFIED	1 1/2" THROUGH 24"
FLANGED PIPET (FLP)	NOT AVAILABLE	150#RF 300#RF 600#RF 900/1500#RF 2500#RF	1/2" THROUGH 4" 1/2" THROUGH 4" 1/2" THROUGH 2" 1/2" THROUGH 2" 1/2" THROUGH 2"



FORGED BRANCH OUTLET FITTINGS





Dimensional standard

A.N.S.I. B16.5 / B16.47 - "A" / "B"
API-6A (Type 6B & 6bx)

Ratings

150#, 300#, 600#, 900/1500# 2500#

Material Grade

ASME/ASTM SA/A 105N; SA/A 350 LF2
ASME/ASTM SA/A 182 F304/L; SA/A 182 F316/L

Material Types

Welding Neck .Blind .Slip On .Threaded .Socket Weld .Lap Joint .Hanger. Reducing .Cover .Long
welding Neck .Swivel Ring .Spectacle Blind .Spade Blind .Spacer Ring .Ring Type .Joint RF

Sizes

1/2" to 48"

Special Items

Nickel Alloy Steel/ High Alloy/ Duplex and other exotic materials.
We have the resources to assist and cater to any of your needs.
Lets us know your expectation, and we will package to a timely delivery.

A350 LF3 .A182 F1 .A182 F5 .A182 F9 .A182 F11 .A182 F22 .A182 F304H .A182 F316H .A182 F321
/ 321 H .A182 F347 / 347H .UNS S31803 .ALLOY 20 .MONEL 400



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Dimensional Standard

ANSI B16.5, B16.10, B16.34, B16.11, B16.20, B16.47,
API600, 607, 598, 594, 6D, BS5351, BS5146, NACE MR01-75

Ratings

150#, 300#, 600#, 900/1500# 2500#

Material Grade

ASTM A216 WCB, A352 LCB/C, A351 CF8M, A351, CN7M,
A10S, A182, F316, F304 FSI

Material Types

Cast steel, Iron, Alloy, Stainless Steel, Forged, Gate Valve, Globe, Check,
Swing Check, Ball, Bellow Seals, Wafer Type, Butterfly, PSV, PRV, Control Valves

Sizes

1/4" to 42"

Special Items

Nickel Alloy Steel/ High Alloy/ Duplex and other exotic materials.
We have the resources to assist and cater to any of your needs.
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ASTM A182, F5, F11, F22, F51, A182 F6, HFS, HF, A351 CF3, CF3M,
LOWTEMP, LOW ALLOY STEEL

Actuator

Pneumatic and Electric Actuator are Also Available



VALVES



Types

Thermodynamic, Ball Float, Inverted Bucket, Float Bimetallic, Space-heating, Hermetically-sealed, Piston operated & Piping King Package units.

Sizes

1/4" ~ 3" (8 ~ 80mm)

Pressure

Up to 2,600Psi.

Temperature

Up to 1,100°F (593°C)

Capacity

Up to 160,000 lb/hr.

End Connections

NPT, S.W, R.F, RTJ, B.W (According to JIS, BS, DIN and ANSI/ASME Standards).

Materials

Carbon Steel, Stainless Steel, Cast Iron, Ductile Iron.

Note

Other materials such as Alloy steel, Duplex & other Exotic materials, Capacity / Pressure Ratings and Different sizes can also be arranged on request for particular services.



Types

Y-Pattern & Basket Type.

Sizes

1/2" ~ 12" (15 ~ 300mm).

Pressure Ranges

PN 10 ~ 16 & 150 ~ 2500#.

End Connections

Threaded, S.W, R.F, RTJ, B.W (According to DIN, B.S and ANSI/ASME Standards).

Applications & Materials

- For HVAC, Fire-fighting, Water, Seawater, Sewage and General Applications;
- Cast Iron 1691GG25, Brass CuZn39Pb2, Bronze G-CuSn5ZnPb
- For Ambient and Higher-Temperature Services;
- ASTM A105, ASTM A216 WCB.
- For Low-Temperature Services;
- A352 (LCB, LCC)
- For High-Temperature and Corrosive Services;
- A351 (CF8M, CF3M, CF8, CF3).



General Engineering Grades

BS 4190 & BS 3692 (4.6, 4.8, 5.6, 8.8 and higher grades 10.9, 12.9)

Petrochemical Grades

ASTM-A193 (B5, B6, B7, B7M, B16, B8, B8M),
A194 (2H, 7, 7M, 8M, 8MA),
A320 (L7, L7M, B8, B8M)

Stainless Steel Bolting Grades

A453, SS304, SS310, SS316, A321, UNS 32760 etc.

All products are supplied to specification of
ASTM, BS, DIN, JIS, SAE, BS EN, NACE, etc.



INDUSTRIAL GASKET

SPIRAL WOUND GASKET

THERMICULITE

RTJ GASKETS

HEAT EXCHANGERS

SIGMA

FLEXPRO GASKET

SHEET MATERIALS

FLUROSEAL

FLANGE ISOLATION KIT

OVAL OR OCTAGONAL RING JOINT

FLAT & RUBBER GASKET FULL

RAISED FACE GASKET

PACKING GASKET.



Mild Steel Plates

A36/SS400/S275JR

High tensile Plates

S355JR/S355J2/S355J0/AH36
DH36/EH36

Low Temperature Plates

A283GRC

Pressure Vessel Plates

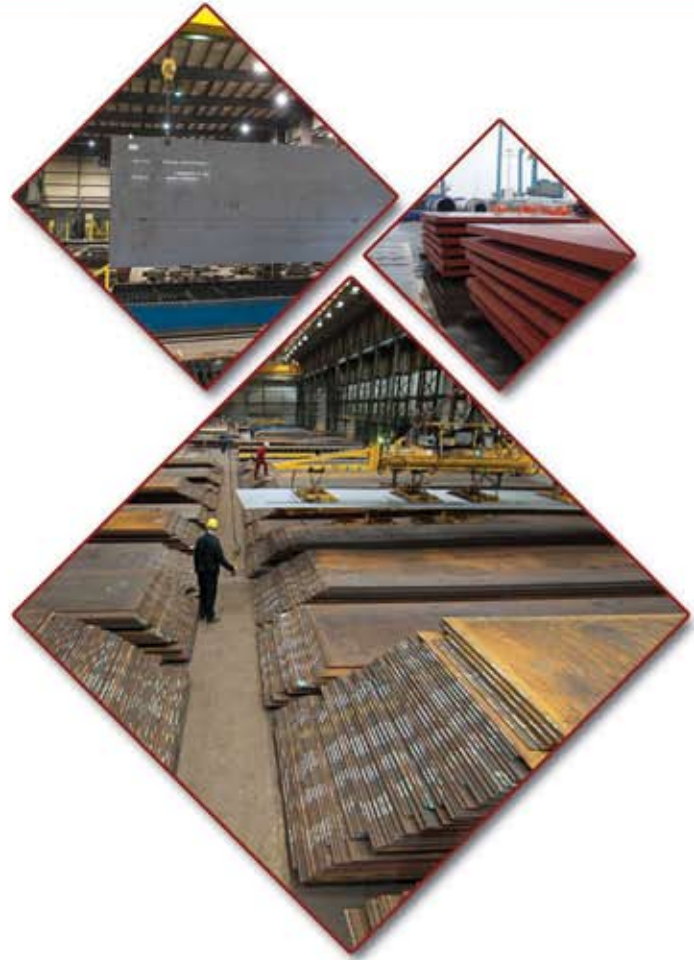
SA 516GR 60N SA 516Gr 70N

Grades

ASTM A 240, SA 240, AISI

Type

304, 304L, 304H, 310, 310S, 316, 316L, 316Ti,
317, 317L, 321, 321H



Temperature Gauges, Pressure Gauges,
Thermometers,
Thermocouple,
Thermo Well,
Flow Water Meter and
Filter Regulator Lubricators.

Flow Meters:

Gas Flow Meter,
Digital Magnetic Flow Meter,
Water Flow Meter,
Temperature Controller & Recorder etc.



YOUR TOTAL PIPING SOLUTIONS...

OUR CLIENTS



Al-Prince Engineers
In Service Pakistan Industry with Honesty, Quality and Profit.



Orient Energy Systems



pakarab
PACIFIC INDUSTRIES LIMITED



ENAR Pulpotech Services (Pvt.) Limited



Fertilizer Fertilizer (Pvt.) Limited



engro foods



engro polymer & chemicals



engro fertilizers

VALUABLE PRINCIPAL



NIPPON STEEL &
SUMITOMO METAL
CORPORATION



ABO valve



Tenaris



VALLOUREC & MANNESMANN TUBES



INTERFIT



TUBOS REUNIDOS



METALFAR



GALPERCI
The Original



MEKANO COMMERCIALE S.R.L.



B.F.E. S.p.A.
Booney Forge
Valve License



SUMMARY OF THE MAIN ASTM STANDARDS GENERALLY USED IN THE PETROLEUM INDUSTRIES

ASTM	Specification for
A 53 – 90 lb	Pipe, steel, black and hot-dipped, zinc coated welded and seamless.
A 105 / A 105 M-90	Forgings, carbon steel, for piping components.
A 106 – 91	Seamless carbon steel pipe for high temperature service.
A 179 / A 179 M-90a	Seamless cold-drawn low-carbon steel heat-exchanger and condenser tubes.
A 181 / 181 M-90	Forging carbon steel , for general purpose piping.
A 182 / A 182 M-91	Forged or rolled alloy-steel pipe flanges, forged fittings, and valves and similar parts for high temperature service.
A 192 / A 192 M-90a	Seamless carbon steel boiler tubes for high pressure service.
A 193 / A 193 M-91a	Alloy-steel and stainless steel bolting material for high temperature service.
A194 / A 194 M-91	Carbon and alloy steel nuts for bolts for high pressure and high temperature service.
A 199 / A 199 M-90a	Seamless cold drawn intermediate alloy-steel heat exchanger and condenser tube.
A 200 – 90a	Seamless intermediate alloy-steel still tubes for refinery service.
A 202 / A 202 M-90	Pressure vessel plates, alloy-steel, chromium-managanese-silicon.
A 203 / A 203 M-90	Pressure vessel plates, nickel-alloy steel.
A 204 / A 204 M-90	Pressure vessel plates, molybdene-alloy steel.
A 209 / A 209 M90a	Seamless carbon-molybdenum alloy steel boiler and superheater tubes.
A 213 / A 213 M-91a	Seamless ferritic and austenitic alloy steel boiler, superheater, and heat-exchanger tubes.
A 214 / A 214 M-90a	Electric-resistance, welded carbon steel heat exchanger and condenser tubes.
A 126 / A 214 M-90a	Carbon steel castings suitable for fusion welding for high temperature service.
A 234 / A 234 M-91c	Piping fittings of wrought carbon steel and alloy steel for moderate and elevated temperatures.
A 240 – 91a	Heat-resisting chromium and chromium-nickel stainless steel plates, sheet, and strip for fusion-welded unfired pressure vessels.
A 249 / A 249 M-91	Welded austenitic steel boiler, superheater, heat-exchanger, and condenser tubes.
A 269 – 90a	Seamless and welded austenitic stainless steel tubing for general service.
A 270 – 90	Seamless and welded austenitic stainless steel sanitary tubing.
A 271 – 90	Seamless austenitic chromium-nickel steel still tubes for refinery service.
A 283 / A 283 M-91	Low and intermediate tensile strength carbon-silicon steel plates, for machine parts and general construction.
A 284 / A 284 M-90	Low and intermediate tensile strength carbon-silicon steel plates, for machine parts and general construction.
A 285 / A 285 M-90	Pressure vessel plates, carbon steel, low and intermediate-tensile strength.
A 299 / A 299 M-90	Pressure vessel plates, carbon steel, managanese-silicon.



YOUR TOTAL PIPING SOLUTIONS...

SUMMARY OF THE MAIN ASTM STANDARDS GENERALLY USED IN THE PETROLEUM INDUSTRIES

ASTM	Specification for
A 302 / A 302 M-90	Pressure vessel plates, alloy steel, manganese-molybdenum and manganese-molybdenum-nickel.
A 312 / A 312 M-91b	Seamless and welded austenitic stainless steel pipe.
A 320 / A 320 M-91	Alloy steel bolting material for low temperature service.
A 333 / A 333 M-91a	Seamless and welded steel pipe for tubes for low temperature service.
A 334 / A 334 M-91	Seamless and welded carbon and alloy steel tubes for low temperature service.
A 335 / A 335 M-91a	Seamless ferritic alloy steel pipe for high temperature service.
A 350 / A 350 M-91a	Forgings, carbon and low alloy steel, requiring notch toughness testing for piping components.
A 353 / A 353 M-90	Pressure vessel plates, alloy steel, 9 percent nickel, double-normalized and tempered.
A 387 / A 387 M-90a	Pressure vessel plates, alloy steel, chromium-molybdenum.
A 403 / A 403 M-91	Wrought austenitic stainless steel piping fitting.
A 409 / A 409 M-91	Welded large diameter austenitic steel pipe for corrosive or high temperature service.
A 420 / A 420 M-91	Piping fittings of wrought carbon steel and alloy steel for low temperature service.
A 442 / A 442 M-90	Pressure vessel plates carbon steel, improved transition properties.
A 515 / A 515 M-90	Pressure vessel plates, carbon steel, for intermediate and higher-temperature services.
A 516 / A 516 M-90	Pressure vessel plates, carbon steel, for moderate and lower-temperature service.
A 517 / A 517 M-90	Pressure vessel plates, alloy steel, high strength, quenched and tempered.
A 533 / A 533 M-90	Pressure vessel plates, alloy steel, quenched and tempered, manganese-molybdenum and manganese-molybdenum-nickel.
A 537 / A 537 M-90	Pressure vessel plates, heat-treated, carbon-manganese-silicon steel.
A 573 / A 573 M-90	Structural carbon steel plates of improved toughness.
A 662 / A 662 M-90	Pressure vessel plates carbon-manganese steel for moderated and lower temperature service.
A 671 – 89a	Electric-fusion-welded steel pipe for atmospheric and lower temperature.
A 672 – 89b	Electric-fusion-welded steel pipe for high-pressure service at moderate temperature.
A 691 – 89a	Carbon and alloy steel pipe electric-fusion-welded for high pressure service at high temperature.
A 736 / A 736 M-88	Pressure vessel plates low carbon age hardening nickel-copper-chromium-molybdenum – columbium and nickel-copper-manganese-molybdenum-columbium alloy steel.
A 738 / A 738 M-90	Pressure vessel plates, heat treated, carbon-manganese-silicon steel for moderate and lower temperature service.

ASTM STANDARDS (COMMONLY USED)





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USMAN ENTERPRISE
IMPORTERS & STOCKISTS

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