



Manufacturers & Suppliers of Forged Flanges

Corporate Office :

G-1, A-Wing, Shreeji Astha Avenue, Opp. Chichi Tower, Ellorapark, Vadodara.
Tel : 2290440 Fax : +91-265-2290169

Works :

415, G.I.D.C., Ramangamdi, Por - 391243 Dist. Vadodara, Gujarat, India.
Tel : +91-265-2830325 2830729, 2830731 Fax : +91-265-2830324
Email : sales@adityaforge.com / info@adityaforge.com

www.adityaforge.com



Government Recognised Export House

Manufacturers & Suppliers of Butt Weld Pipe Fittings

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Core Forging

ADITYA FORGE LTD is an ISO 9001-2008 certified Stainless steel / Alloy Steel / Carbon Steel forgings producer. ADITYA has a well-equipped laboratory for testing chemical physical and mechanical properties. ADITYA exports Stainless Steel / Alloy Steel / Carbon Steel Billets, Flanges, Forged Bars to various Countries like U.K. / EUROPE, USA, FRANCE, BELGIUM, MIDDLE EAST, GULF etc.



REDUCER: CONCENTRIC & ECCENTRIC



Size	: From 2" to 12"
Shape	: Concentric reducer / Eccentric reducer
WT	: SCH 10, 20, S40, STD,XHANDS80
Standard	: ASTMA234, ASME,DIN, GB.MSSSP-43
Material	: Carbon steel
Surface Treatment	: Black paint, varnish, rust-proof oil, hot galv.
Application	: Petroleum, Chemical, Power, Gas, Metallurgy, Construction

PIPE CAP



Size	: From 2" To 12"
WT	: SCH 10, 20, S40, STD,XHANDS80
Standard	: ASTMA234, ASME,DIN, GB.MSSSP-43
Material	: Carbon steel
Surface Treatment	: Black paint, varnish, rust-proof oil, hot galv.
Application	: Petroleum, Chemical, Power, Gas, Metallurgy, Construction

FORGED FLANGES

The catalog ADITYA FORGE LIMITED has been developed with the aim of offering all those concerned with the oil industry a compendium fast, reliable and concise statement of the standards and construction practices that concern the steel flange for joining pipes.

In this edition we have updated to the latest valid version dimensional standards and materials. However, the rules change from year to year, so we suggest using the values listed here for reference purposes only.

Hope will also disclose the ability of our company to provide solutions domestically and in foreign markets against the development of the oil industry, petrochemical, gas and mining.

OUR CAPABILITY

Custom made open die forgings up to 2 M.T.'s/piece in carbon, alloy & special steels in forged, pre-machined and finish machined condition for steel plants, power plants, aeronautics, power transmission, mechanical and general engineering applications. Forgings are manufactured and certified as per International Standards. ASTM/BS/DIN/BIS/JIS/EURONORM etc.



Shafts & Bars	Punched Discs/Tube Sheets	Rings & Flanges	Blocks & Squares
<= 400 mm Ø	<= 1600 mm Ø	<= 1600 mm Ø	<= 600 mm
<= 2500 mm L	<= 300 mm H	<= 300 mm H	<= 300 mm H
<= 2000 Kgs	<= 2000 Kgs	<= 2000 Kgs	<= 1500 Kgs

RULES INVOLVED IN THE CATALOG

ASME

B 1.20/83	PIPE THREADS GENERAL PURPOSE.
B 16.5/03	STEEL PIPE FLANGES AND FLANGED FITTINGS.
B 16.20/98	RING JOINT GASKETS AND GROVES FOR STEEL PIPE FLANGES.
B 16.36/96	ORIFICE FLANGES.
B 16.47/98	LARGE DIAMETER FLANGES.
B 36.10/04	WELDED AND SEAMLESS WROUGHT STEEL PIPE.
B 36.19/04	STAINLESS STEEL PIPE.

MSS

SP-6/07	STANDARD FINISHES FOR CONTACT FACES OF PIPE FLANGES AND CONNECTING OF VALVES AND FITTINGS
SP-44/06	STEEL PIPE LINE FLANGES.

ASTM

A105/05	STANDARD SPECIFICATION FOR FORGINGS, CARBON STEEL FOR PIPING COMPONENTS.
A182/07	STANDARD SPECIFICATION FOR FORGED OR ROLLED ALLOY-STEEL PIPE FLANGES, FORGED FITTINGS AND VALVES AND PARTS FOR HIGH TEMPERATURE SERVICE.
A350/04	STANDARD SPECIFICATION FOR FORGINGS, CARBON AND LOW-ALLOY STEEL, REQUIRING NOTCH TOUGHNESS TESTING FOR PIPING COMPONENTS.
A694/03	STANDARD SPECIFICATION FOR FORGINGS, CARBON AND ALLOY-STEEL, FOR PIPE FLANGES, FITTINGS, VALVES, AND PARTS FOR HIGH-PRESSURE TRANSMISSIONS SERVICE.



FORMED PRECISELY



ELBOW



Elbow	: Seamless LR and SR
Size	: From 2" To 16"
Angles	: 45° AND 90°
WT	: SCH 10, 20, S40, STD,XHANDS80
Standard	: ASTMA234, ASME,DIN,GB,MSSSP-43
Material	: Carbon steel
Surface Treatment	: Black paint, varnish, rust-proof oil, hot galv.

TEE



Size:	: From 2" To 8"
Shape	: Equal Tee, Reducing Tee
WT	: SCH 10, 20, S40, STD,XHANDS80
Standard	: ASTMA234, ASME,DIN,GB,MSSSP-43
Material	: Carbon steel
Surface Treatment	: Black paint, varnish, rust-proof oil, hot galv.

TYPE OF FLANGES / RANGE

Type	Size Range	Pressure	Dimensional Standard	
WELDING NECK They join the butt-welded pipe. They are preferred when radio graphed joints is required, or when efforts are highest on the union. The long conical neck optimizes stress distribution.	1/2" To 48" 1/2" To 48" 1/2" To 24" 1/2" To 30" 1/2" To 24" 1/2" To 12" 1/2" To 08"	150# 300# 400# 600# 900# 1500# 2500#	ANSI/ASMEB16.5 ASMEB16.47 SR.A SR.B MSS SP44 BS3293 BS4504 / DIN	
SLIP-ON FLANGES Place two fillets by welding, sliding inside the tube. So its installation cost is lower, requiring less precision in cutting the pipe	1/2" To 48" 1/2" To 48" 1/2" To 24" 1/2" To 30" 1/2" To 24" 1/2" To 12" 1/2" To 08"	150# 300# 400# 600# 900# 1500# 2500#	ANSI/ASMEB16.5 ASMEB16.47 SR.A SR.B MSS SP44 BS3293 BS4504 / DIN	
THREADED FLANGES They are placed in pre-threaded pipe, usually in places where welding cannot be applied. Not recommended for use in systems with intense pressure variations.	1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 12" 1/2" To 08"	150# 300# 400# 600# 900# 1500# 2500#	ANSI/ASMEB16.5 BS4504 / DIN	
LAP JOINT FLANGES Overlapping sliding on a board. Usually used in places where it is often necessary to disassemble for cleaning or dismantling reparaciones.El cost decreases because of the ease of turning the flanges and align the holes.	1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 12" 1/2" To 08"	150# 300# 400# 600# 900# 1500# 2500#	ANSI/ASMEB16.5 BS4504 / DIN	
SOCKET WELDING Developed especially for small diameters and high pressures. Tube is inserted in them to the seat and then is welded in against the cube steak.	1/2" To 4" 1/2" To 4" 1/2" To 4" 1/2" To 4" 1/2" To 4" 1/2" To 4" 1/2" To 4"	150# 300# 400# 600# 900# 1500# 2500#	ANSI/ASMEB16.5	
BLIND FLANGES Developed especially for small diameters and high pressures. Tube is inserted in them to the seat and then is welded in against the cube steak.	1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 24" 1/2" To 12"	150# 300# 400# 600# 900# 1500#	ANSI/ASMEB16.5 ASMEB16.47 SR.A SR.B MSS SP44 BS3293	