BUTT-WELDING FITTINGS
STAINLESS STEEL / CARBON STEEL

Elbow (45,90,180) LR,SR-Tee-Cap-Conc & Eccentric Reducer-Stub End

Standards :	ASME B16.9/B16.25/B16.28/NACE MR 0175
Material :	ASTM A234 WPB,AP1-WP22
	ASTM A403 WP 304,316,321 (L-H)
	ASTM A420 WPL3,WPL6,WPL9
	ASTM A860 WPHY X42-X70
Size :	1/2" tp 56"
Wall Thickness:	SCh 10 to XXS Carbon Steel
	SCH 5s to 80s Stainless Steel

tecnoforge FITTINGS & FLANGES

BENKAN BENKAN Corporation

ernefittings

BUTT-WELDING FITTINGS
STAINLESS STEEL / CARBON STEEL

Elbow 45/90-Tee-Reducer-Coupling-Cap-Union-Bushing-Plug-Nipple Bosses-Thredolet-Weldolet-Sockolet-Latrolet-Elbolet-Nipolet

Standard :	ASME B16.11-BS 3799-MSS SP44
Material :	A105, A05N
	A182 F304,F316,F321 (L-H)
	A182 F1,F5,F9,F11,F22
	A350 LF1,LF2,LF3
Size :	1/4" up to 4"
Class :	2000-3000-6000-9000

BOTH-WELL

M.E.G.A.

BONNEY FORGE

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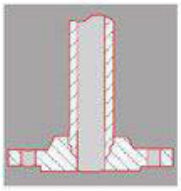
FLANGES
STAINLESS STEEL/CARBON STEEL

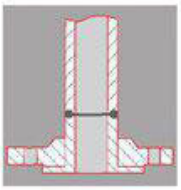
- Welding Neck
- Blind
- Slip On
- Orifice
- Socket Weld
- Long Welding Neck
- Lap Joint
- reducing
- Threaded
- Spectacles

Socket Weld

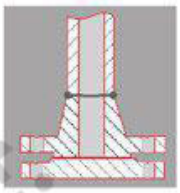


Threaded

Welding Neck



Lap Joint



Blind

Slip On

Norm Ends :	F.F/R.F/RTJ
Dimension Standards :	ANSI B16.5 ANSI B16.36 ANSI B16.47 Series A MSS SP-44 ANSI B16.47 Series B API std 605 BS 3295
Material :	ASTM A105 , A105N ASTM A182 F304,F316,F321 (L-H) ASTM A182 F1,F5,F9,F11,F22 ASTM A350 LF1,LF2,LF3 ASTM A694 F42,F46,F56,F60,F65 ST.37 C22.8
Size :	1/2" up to 56"
Rating :	PN10 up to PN100 – Class 150 Up to API 5000
Wall Thickness :	SCH 10 to XXS

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GASKET FOR FLANGES

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Non-Metallic Type

Compressed Fiber , Aramid Fiber , Glass Fiber , Elastomer , Teflon ® (PTFE),
Nitrile Rubber (NBR) , Graphite.

ASME B16.21 Covers Types , Size , Materials , Dimension and Tolerances For Non-Metallic Flat Gasket.

Seim-Metallic Type

Spiral Wound , Cam Profile and Metal-Reinforced

ASME B16.20 Covers Types , Size , Materials , Dimension and Tolerances For Seim-Metallic Gasket

Metallic Gasket

Ring Type Joint (RTJ)

o R Type Oval and Octagonal

o RX & BX For Pressures Over 69 MPa / 690 bar (10,000Psi)

Size : 1/4" up to 56"

KLINGER Flexitallic BURGMANN

Type Of Production : Seamless , ERW , EFW , SAW , SSAW , DSAW

Material & Grade :

API 5L , PSL1 , PSL2	/ Gr.B up to X80
API 5CT , PSL1 , PSL2 , PSL3	/ All Grade
ASTM A53 & ASTM A106	/ Gr.B
ASTM A179 & ASTM A192	/ Gr.C
ASTM A213 & ASTM A312	/ Gr.304,316,321 (L-H)
ASTM A333 & ASTM A334	/ Gr.6
ASTM A335	/ Gr.P11-P22
ASTM A672	/ Gr.C60,C65,C70
AWWA C200	/ Gr. up to St44

Dimension :

Outside Diameters (OD)	6.0 – 114.0 mm
Wall Ticknesses (WT)	0.8 – 15 mm
Nominal Pipe Size (NPS)	1/8"– 120"
Schedule (SCH)	10 – XXS

Sure Service : Nace MR 0175 / MR0103 / HIC & SSC Test

Coating :

Normal or Heavy Bitumen Coating
Polyethylene , Epoxy Resin Coating
Sandblasting , Priming , Pickling , Oiling & Etc.
Hot Dip Galvanize Coating (ASTM A120)

Certificate : On request,Certificate showing chemical analysis and mechanical test be issued (EN 10204/3.1B - EN 10201/3.1B - DIN 50049/3.1B)

Tenaris ArcelorMittal Sumitomo

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VALVE
BALL / BUTTERFLY / PLUG

Refrence Standard :

API,BSI,ASME,ANSI,ASTM,DIN,MSS,NACE

BALL VALVE

Structure	Construction : All Welded Body , Two & Three-piece/Full & Reducer Bore End Conection : Flange Raised Face , RTJ , Butt Weld... Operation : Lever , Gear , Electric , Pneumatic , Hydroulic...
Size	1/2" up to 24"
Pressure Raitng	ANSI 150# up to 5000
Body	ASTM : A216 Gr WCB,WCC ASTM : A217 Gr WC1,WC5,WC6,WC9 ASTM : A352 Gr LCB,LCC,... ASTM : A351 Gr CF3,CF3M,CF8,CF8M
Trim	13% CR,304,316,321 (L-H) 347,F-51,Monel....

BUTTERFLY VALVES

Size Range :	From 2" to 60"
Pressure Raiting :	PN10 to PN100 ANSI 125 to 600
Design Specification :	API 607 , API 609 , BS 5155
End Connection :	Wafer Pattern,Semi-Lugged,Fully Lugged,Flanged
Operation :	Level,Gear,Electric,Pneumatic,Hydrulic
Body Materials :	Cast Iron DIN GG25,Ductile Iron DIN GGG40 Carbon Steel ASTM A216 Gr WCB , WCC Stainless Steel ASTM A351 Gr CF3,CF3M,CF8M Low Temperature Carbon Steel ASTM A352 Gr LCB,LCC Aluminium Bronze ASTM A148
Disc Materials :	GGG40 Coated , 304 , 316 (L-H) ASTM B148

PLUG VALVE

Structure	Construction : Pressure Balance , Standard & Lubricated Type End Conection : Flange , Socket Weld , Butt Weld or Screw Operation : Wrench & Gear Operated
Size	1/2" up to 24"
Pressure Raitng	ANSI 150# up to 5000
Body	ASTM : A216 Gr WCB,WCC ASTM : A351 Gr CF3,CF3M,CF8,CF8M ASTM : A352 Gr LCB,LCC,... ASTM : A352 Gr LCB,LCC,...
Trim	Steel,CF8,CF8M

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STUD BOLT , NUT & WASHER

Stud Bolt,Eyebolt,Ubolt,Square Bolt,Hex Bolt,Anchor Bolt,etc…

Hex Nut,Tee Nut,Heave Hex,Square,Round etc…

Flat Washer,Spring,Lock,Special & Taper

Size : 3/8" up to 4"

Materials: ASTM A193 Gr.B7,B6,B16,B8,B8T
ASTM A194 Gr.2H,2,4,7,8M
A320 Gr.L7,B8,…

Coating Type : Zinc Plating,Electrozinc Chromated
Hot Dip Galvanized,Black Oxide
Cadmium Plating,PTFE

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