

The production facility covers an area of 130,000 square meters. Widely serving the petroleum, gas, chemical, power station, nuclear, coal and shipbuilding industries, our staff include R&D engineers and technical personnel.

The main products include butt welding pipe fittings (elbows, tees, reducers, crosses, bends, end caps, stub ends), forged fittings, and flanges (weld neck, socket weld, slip-on, lap joint, spectacle blind, blind). The main materials include stainless steel, duplex steel, low temperature steel, carbon steel and alloy steel. The annual production capacity of butt welded pipe fittings is around 70,000 tons.

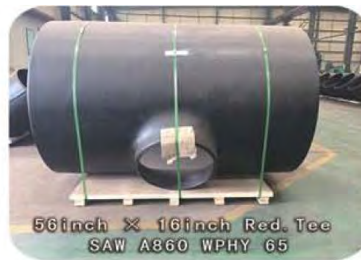
The production facility holds the following certification: ISO 9001, ISO 14001, OHSAS18001, APIQ1, ASME (U&S), CE, NB.



Product Range:

1. BUTTWELD PIPE FITTINGS	
TYPE:	ELBOWS: LR & SR 15°, 30°, 45°, 90°, 180° (OR AS PER CLIENTS' REQUIREMENTS)
	BENDS: 2D-12D, 15°, 30°, 45°, 90°, 180° (OR AS PER CLIENTS' REQUIREMENTS)
	TEES: EQUAL & REDUCING 90° TEE, 45° LATERAL TEE, BARRED TEE ETC.
	REDUCERS: CONCENTRIC & ECCENTRIC
	END CAPS
SIZE:	STUB ENDS: LONG & SHORT TYPE
	SEAMLESS: 1/2" to 32"
THICKNESS:	WELDED: 24" to 96"
	2mm to 120mm
MATERIAL:	CARBON STEEL: ASTM / ASME A234 WPB/C
	LOW TEMPERATURE CARBON STEEL: ASTM / ASME A420 WPL3, WPL6 ETC.
	HIGH YIELD CARBON STEEL: ASTM / ASME A860 WPHY42, 52, 60, 65, 70, 80, ETC.
	STAINLESS STEEL: ASTM / ASME A403 WP304, 304L, 316, 316L, 321, 321H, 347, 347H, 904, 904L, S31803, S32750, ETC.
STANDARD:	ALLOY STEEL: ASTM / ASME A234 WP1, 5, 9, 11, 22, 91, ETC.
	ASME / ANSI B16.9, B16.28, MSS SP-75, OR AS PER CLIENT'S DRAWINGS.
APPLICATION:	PETROLEUM, GAS, NUCLEAR POWER, POWER PLANTS, CHEMICAL INDUSTRY, METALLURGY, SHIPBUILDING, CONSTRUCTION, ETC.

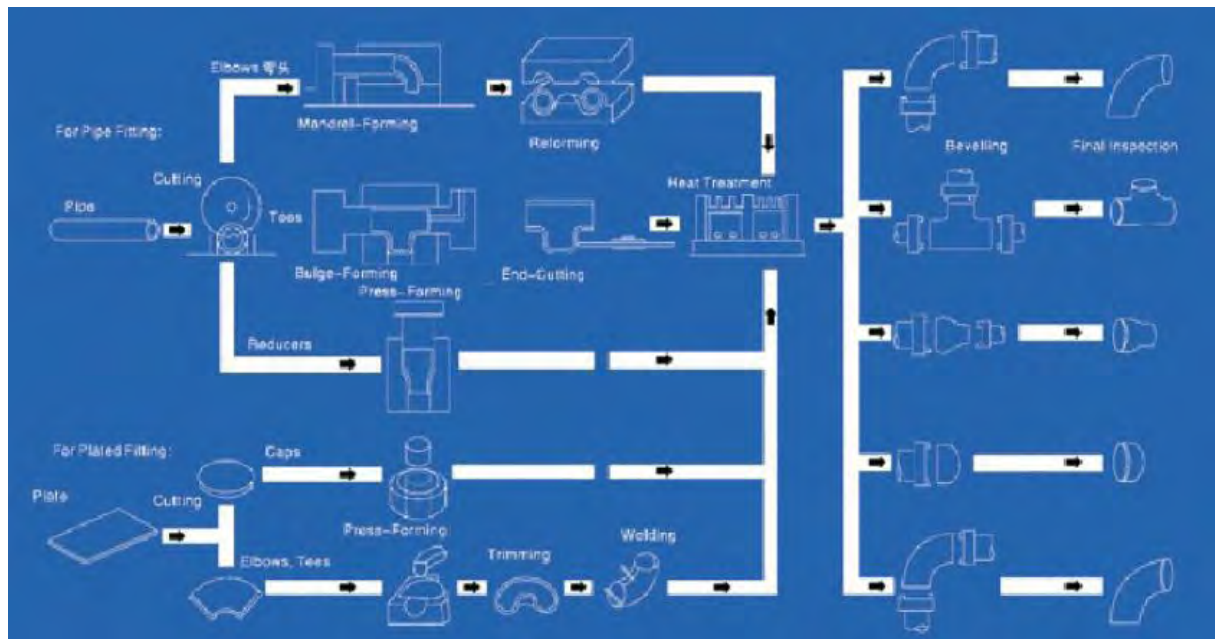
Product Photos:



New Products



Process:



Production Facilities:



Production Facilities:



Overlay Welding Machine



Pipe Rolling Machine



Nature Gas HeatTreatment Furnace



Sand Blasting Machine



End Beveling Machine



Automatic Submerged Arc
Welding Machine



Large Pipe Bending Machine



Medium Frequency Pushing Machine

Production Facilities:

20000 Ton Multidirection Presser



Test Equipment:

- Carbon-Sulphur Analysis
- Chemical Analysis
- Film Evaluation
- Hardness Testing
- Impact Testing
- Magnetic Inspection
- Metallographic Analysis
- Spectrum Analysis
- Tensile Testing
- X-Ray Inspection



Mechanical Testing:



Pressure Test Pieces

Cladding Test Pieces

Cladding Test Pieces

Applications:

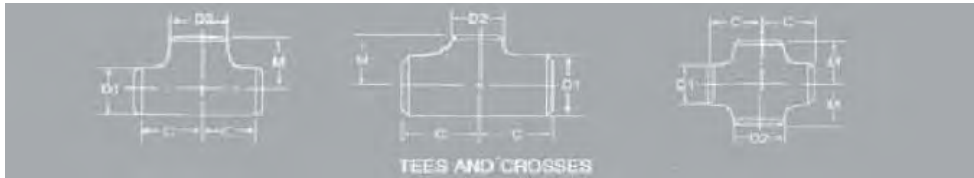


BUTT WELD ELBOWS AND RETURNS ASME/ANSI B16.9 B16.28 GB12459 GB/T13401



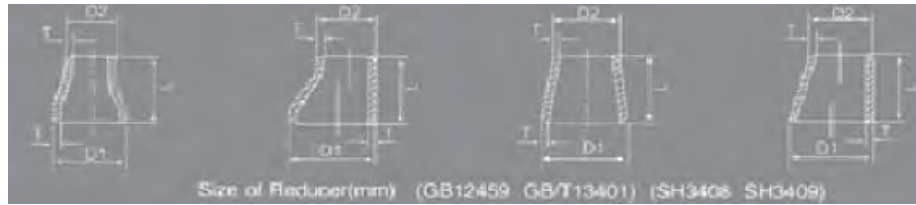
Nominal DN	Overall Dia. Of End		Centre-to-End			Centre-to-Centre		Dim. From Back Surface to Face	
			45° Elbow (F)	90° Elbow (F)		180° Return (P)		180° Return (P)	
	Series A	Series B	Long Radius	Long Radius	Short Radius	Long Radius	Short Radius	Long Radius	Short Radius
15	21.3	18	16	38	-	76	-	48	-
20	26.9	25	16	38	-	76	-	51	-
25	33.7	32	16	38	25	76	51	56	41
32	42.4	38	20	48	31	95	64	70	52
40	48.3	45	34	57	38	114	76	83	62
50	60.3	57	32	76	21	152	102	106	81
65	76.1 (73.0)	76	40	95	64	190	127	132	100
80	88.9	89	49	114	76	229	152	159	121
100	114.3	108	63	152	102	305	203	210	159
125	139.7	133	79	191	127	381	254	262	197
150	168.3	159	95	229	152	457	305	313	237
200	219.1	219	126	305	203	610	406	414	313
250	273.0	273	158	381	254	762	508	518	391
300	323.9	325	189	457	305	914	610	619	467
350	355.6	377	221	533	356	1067	711	711	533
400	406.4	426	253	610	406	1219	813	813	610
450	457.0	480	284	686	457	1372	914	914	686
500	508.0	530	316	762	508	1524	1016	1016	762
550	559.0	-	347	838	559	-	-	-	-
600	610.0	630	379	914	610	-	-	-	-
650	660.0	-	410	991	660	-	-	-	-
700	711.0	720	442	1067	711	-	-	-	-
750	762.0	-	473	1143	762	-	-	-	-
800	83.0	820	505	1219	813	-	-	-	-
850	864.0	-	537	1295	864	-	-	-	-
900	914.0	920	568	1372	914	-	-	-	-
1000	1016.0	1020	631	1524	1016	-	-	-	-
1050	1067.0	-	663	1600	1067	-	-	-	-
1100	1118.0	1120	694	1676	1118	-	-	-	-
1200	1219.0	1220	758	1829	1220	-	-	-	-
1300	1321.0	-	821	1981	1321	-	-	-	-
1400	1420.0	-	883	2134	1420	-	-	-	-
1500	1524.0	-	947	2286	1524	-	-	-	-
1600	1620.0	-	1010	2438	1620	-	-	-	-
1700	1727.0	-	1073	2591	1727	-	-	-	-
1800	1820.0	-	1137	2743	1829	-	-	-	-
2000	2020.0	-	1263	3048	2032	-	-	-	-

BUTTWELD TEES AND CROSSES ASME / ANSI B16.9 B16.28 GB12459 GB/T13401

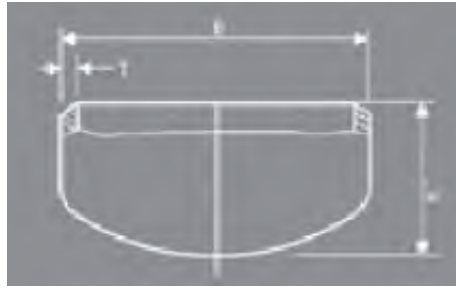


Nominal Diameter		Outside Diameter	Centre-to-End		Nominal Diameter		Outside Diameter	Centre-to-End	
mm	In.	D1 x D2	C	M	mm	In.	D1 x D2	C	M
15x15	1/2 x 1/2	18x18	25	25	350x350	14 x 14	377x377	279	279
		21.3x21.3					355.6x355.6		
20x15	3/4 x 1/2	25x18	29	29	350x200	14 x 8	377x219	279	248
		26.9x21.3					355.6x219.1		
25x25	1 x 1	32x32	38	38	400x400	16 x 16	426x426	305	305
		33.7x33.7					406.4x406.4		
25x20	1 x 3/4	32x25	38	38	400x250	16 x 10	426x273	305	283
		33.7x26.9					406.4x273.0		
32x32	1-1/4 x 1-1/4	38x38	48	48	450x450	18 x 18	478x478	343	343
		42.4x42.4					457x457		
32x25	1-1/4 x 1	38x32	48	48	450x250	18 x 10	478x273	343	308
		42.4x33.7					457x273		
40x40	1-1/2 x 1-1/2	45x45	57	57	500x500	20 x 20	529x529	381	381
		48.3x48.3					508x508		
40x25	1-1/2 x 1	45x32	57	57	500x300	20 x 12	529x325	381	346
		48.3x33.7					508x323.9		
50x50	2 x 2	57x57	64	64	550x550	22 x 22	559x559	419	419
		60.3x60.3							
50x25	2 x 1	57x32	64	51	550x400	22 x 16	559x406.4	419	381
		60.3x33.7							
65x65	2-1/2 x 2-1/2	76x76	76	76	600x600	24 x 24	630x660	432	432
							610x610		
65x40	2-1/2 x 1-1/2	76x45	76	67	600x400	24 x 16	630x426	432	406
		76x48.3					610x406.4		
80x80	3 x 3	89x89	86	86	650x650	26 x 26	660x660	495	495
80x50	3 x 2	89x57	86	76	700x700	28 x 28	720x720	521	521
		89x60.3					711x711		
100x100	4 x 4	108x108	105	105	700x400	28 x 16	720x426	521	457
		114.3x114.3					711x406.4		
100x50	4 x 2	108x57	105	89	750x750	30 x 30	762x762	559	559
		114.3x60.3							
125x125	5 x 5	133x133	124	124	750x500	30 x 20	762x508	559	508
		139.7x139.7							
125x80	5 x 3	133x89	124	111	800x800	32 x 32	820x820	597	597
		139.7x88.9					813x813		
150x150	6 x 6	159x159	143	143	800x500	32 x 20	820x529	597	533
		168.3x168.3					813x508		
150x100	6 x 4	159x108	143	130	850x850	34 x 34	864x864	635	635
		168.3x114.3							
200x200	8 x 8	219x219	178	178	850x600	34 x 24	864x610	635	587
200x100	8 x 4	219x108	178	156	900x900	36 x 36	920x920	673	673
		219x114.3					914x914		
250x250	10 x 10	273x273	216	216	900x500	36 x 20	920x529	673	584
							920x508		
250x125	10 x 5	273x133	216	191	950x950	38 x 38	965x965	711	711
		273.0x139.7							
300x300	12 x 12	325x325	254	254	950x600	38 x 24	965x610	711	635
		323.9x323.9							
300x200	12 x 8	325x219	254	229	1000x1000	40 x 40	1020x1020	749	749
		323.9x219.1					1016x1016		
					1100x700	44 x 28	1020x720	813	698
							1016x711		
					1150x1150	46 x 46	1168x1168	851	800
					1150x800	46 x 32	1168x813	851	749
					1200x1200	48 x 48	1220x1220	889	838
							1219x1219		
					1200x650	48 x 26	1219x660	889	762

BUTTWELD CONCENTRIC & ECCENTRIC REDUCERS ASME/ANSI B16.9 B16.28 GB12459 GB/T13401



Nominal Dia.	D1		D2		Length	Nominal Dia.	D1		D2		Length
DN	Series A	Series B	Series A	Series B	L	DN	Series A	Series B	Series A	Series B	L
20x15	26.9	25	21.3	18	38	550x500	559	-	508	530	508
25x20	33.7	32	26.9	25	51	550x450	559	-	457	480	
25x15	33.7	32	21.3	18		550x400	559	-	406	426	
32x25	42.4	38	33.7	32	51	600x500	610	630	508	530	508
32x20	42.4	38	26.9	25		600x450	610	630	457	480	
32x15	42.4	38	21.3	18		600x400	610	630	406	426	
40x32	48.3	45	42.4	38	64	650x550	660	-	559	-	610
40x25	48.3	45	33.7	32		650x500	660	-	508	530	
40x20	48.3	45	26.9	25		650x450	660	-	457	480	
50x40	60.3	57	48.3	45	76	700x600	711	720	610	630	610
50x32	60.3	57	42.4	38		700x500	711	720	508	530	
50x25	60.3	57	33.7	32		700x450	711	720	457	480	
65x50	76.1	76	60.3	57	89	750x700	762		711	720	610
65x40	76.1	76	48.3	45		750x600	762		610	630	
65x32	76.1	76	42.4	38		750x500	762		508	530	
80x65	88.9	89	76.1	76	89	800x700	813	820	711	720	610
80x50	88.9	89	60.3	57		800x600	813	820	610	630	
80x40	88.9	89	48.3	45		800x500	813	820	508	530	
100x80	114.3	108	88.9	89	102	850x700	864	-	711	720	610
100x65	114.3	108	76.1	76		850x600	864	-	610	630	
100x50	114.3	108	60.3	57		850x500	864	-	508	530	
125x100	139.7	133	114.3	108	127	900x800	914	920	813	820	610
125x80	139.7	133	88.9	89		900x700	914	920	711	720	
125x65	139.7	133	76.1	76		900x600	914	920	610	630	
150x125	168.3	159	139.7	133	140	1000x900	1016	1020	914	920	610
150x100	168.3	159	114.3	108		1000x800	1016	1020	813	820	
150x80	168.3	159	88.9	89		1000x700	1016	1020	711	720	
200x150	219.1	219	168.3	159	152	1050x1000	1067	-	1016	1020	610
200x125	219.1	219	139.7	133		1050x900	1067	-	914	920	
200x100	219.1	219	114.3	108		1050x800	1067	-	813	820	
250x200	273	273	219.1	219	178	1100x1000	1118	1120	1016	1020	610
250x150	273	273	168.3	159		1100x900	1118	1120	914	920	
250x125	273	273	139.7	133		1100x800	1118	1120	813	820	
300x250	323.9	325	273	273	203	1200x1100	1219	1220	1118	1120	711
300x200	323.9	325	219.1	219		1200x1000	1219	1220	1016	1020	
300x150	323.9	325	168.3	159		1200x900	1219	1220	914	920	
350x300	355.6	377	323.9	325	330	1300x1200	1321	1320	1219	1220	711
350x250	355.6	377	273	273		1300x1100	1321	1320	1118	1120	
350x200	355.6	377	219.1	219		1300x1000	1321	1320	1016	1020	
400x350	406.4	426	355.6	377	356	1400x1300	1420	1420	1321	1320	711
400x300	406.4	426	323.9	325		1400x1200	1420	1420	1219	1220	
400x250	406.4	426	273	273		1400x1100	1420	1420	1118	1120	
450x400	457.2	480	406.4	426	381	1500x1400	1524	1520	1420	1420	711
450x350	457.2	480	355.6	377		1500x1300	1524	1520	1321	1320	
450x300	457.2	480	323.9	325		1500x1200	1524	1520	1219	1220	
500x450	508	530	457.2	480	508						
500x400	508	530	406.4	426							
500x350	508	530	355.6	377							

BUTTWELD CAPS ASME/ANSI B16.9 B16.28 GB12459 GB/T13401

Nominal Dia.	Outside Diameter at Bevel		Length		Limiting Wall Thickness for Length E
DN	Series A	Series B	E	E1	
15	21.3	18	25	-	-
20	26.9	25	25	-	-
25	33.7	32	38	-	-
32	42.4	38	38	-	-
40	48.3	45	38	-	-
50	60.3	57	38	44	5.5
65	76.1 (73)	76	38	51	7
80	88.9	89	51	64	7.3
90	101.6	-	64	76	8.1
100	114.3	108	64	76	8.6
125	139.7	133	79	89	9.5
150	168.3	159	89	102	11
200	219.1	219	102	127	12.7
250	273.0	273	127	152	12.7
300	323.9	325	152	178	12.7
350	355.6	377	165	191	12.7
400	406.4	426	178	203	12.7
450	457.0	478	203	229	12.7
500	508.0	529	229	254	12.7

OUTSIDE DIAMETER AND WALL THICKNESS ASME B36.10M B36.19M

DN/NPS			OD		Wall Thickness (mm)														
mm	In.	mm	Sch 5S	Sch10S	Sch10	Sch20	Sch30	Sch40S	STD	Sch40	Sch60	Sch80S	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
6	1/8	10.3	-	1.24	-	-	-	1.73	1.73	1.73	-	2.41	2.41	2.41	-	-	-	-	-
8	1/4	13.7	-	1.65	-	-	-	2.24	2.24	2.24	-	3.02	3.02	3.02	-	-	-	-	-
10	3/8	17.1	-	1.65	-	-	-	2.31	2.31	2.31	-	3.20	3.20	3.20	-	-	-	-	-
15	1/2	21.3	1.65	2.11	-	-	-	2.77	2.77	2.77	-	3.73	3.73	3.73	-	-	-	4.78	7.47
20	3/4	26.7	1.65	2.11	-	-	-	2.87	2.87	2.87	-	3.91	3.91	3.91	-	-	-	5.56	7.82
25	1	32.4	1.65	2.77	-	-	-	3.38	3.38	3.38	-	4.55	4.55	4.55	-	-	-	6.35	9.09
32	1-1/4	42.2	1.65	2.77	-	-	-	3.56	3.56	3.56	-	4.85	4.85	4.85	-	-	-	6.35	9.70
40	1-1/2	48.3	1.65	2.77	-	-	-	3.68	3.68	3.68	-	5.08	5.08	5.08	-	-	-	7.14	10.15
50	2	60.3	2.11	2.77	-	-	-	3.91	3.91	3.91	-	5.54	5.54	5.54	-	-	-	8.74	11.07
65	2-1/2	73	2.11	3.05	-	-	-	5.16	5.16	5.16	-	7.01	7.01	7.01	-	-	-	9.53	14.02
80	3	88.9	2.11	3.05	-	-	-	5.49	5.49	5.49	-	7.62	7.62	7.62	-	-	-	11.13	15.24
90	3-1/2	101.6	2.11	3.05	-	-	-	5.74	5.74	5.74	-	8.08	8.08	8.08	-	-	-	-	-
100	4	114.3	2.11	3.05	-	-	-	6.02	6.02	6.02	-	8.56	8.56	8.56	-	11.13	-	13.49	17.12
125	5	141.3	2.77	3.40	-	-	-	6.55	6.55	6.55	-	9.53	9.53	9.53	-	12.70	-	15.88	19.05
150	6	168.3	2.77	3.40	-	-	-	7.11	7.11	7.11	-	10.97	10.97	10.97	-	14.27	-	18.26	21.95
200	8	219.1	2.77	3.76	-	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	10	273.1	3.40	4.19	-	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	12	323.9	3.96	4.57	-	6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.68	33.32	25.40
350	14	355.6	3.96	4.78	6.35	7.92	9.53	-	9.53	11.13	15.09	-	12.70	19.05	23.83	27.79	31.76	35.71	-
400	16	406.4	4.19	4.78	6.35	7.92	9.53	-	9.53	12.70	16.66	-	12.70	21.44	26.19	30.96	36.82	40.49	-
450	18	457.2	4.19	4.78	6.35	7.92	11.13	-	9.53	14.27	19.05	-	12.70	23.83	29.36	34.93	39.67	45.24	-
500	20	508	4.78	5.54	6.35	9.53	12.70	-	9.53	15.09	20.62	-	12.70	26.19	32.54	38.10	44.45	50.01	-
600	22	509	4.78	5.54	6.35	9.53	12.70	-	9.53	-	22.23	-	12.70	28.58	34.93	41.28	47.63	53.98	-
600	24	610	5.54	6.35	6.35	9.53	14.27	-	9.53	17.48	24.61	-	12.70	30.96	36.89	46.02	52.37	59.54	-
600	26	660	-	-	7.92	12.70	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
700	28	711	-	-	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
700	30	762	6.35	7.92	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
800	32	813	-	-	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
800	34	864	-	-	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
900	36	914	-	-	7.92	12.70	15.88	-	9.53	19.05	-	-	12.70	-	-	-	-	-	-
900	38	965	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
1000	40	1016	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
1000	42	1067	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
1100	44	1118	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
1100	46	1168	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
1200	48	1219	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-