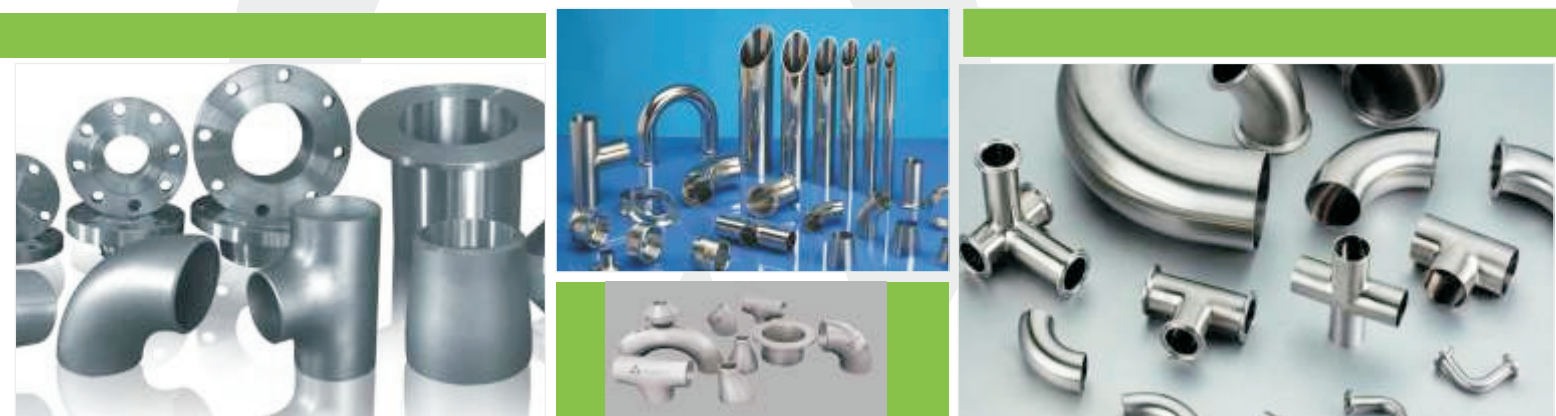




Piping Products

Piping... Precision... Productivity



AK Pipe Fittings Pvt. Ltd.
(Formerly Gujarat Engineering Company)

Office/Works : Plot No. 87 (Alindra) Phase 3. Savli G.I.D.C. Industrial Estate.
Next to 3rd G.I.D.C. Water Tank Savli - 391775. Dist Vadodara, Gujarat, India

Tele fax : +91 -2667 -290777. E-mail : akpipefitigs@gmail.com

Website : www.akpf.co.in



AK Pipe Fittings Pvt. Ltd.
(Formerly Gujarat Engineering Company)

MISSION, VISION, QUALITY POLICY

→ MISSION

We strive to be an integral, irreplaceable part of our customers' business, in the core areas of Piping & Tubing, Forging and Heat Transfer.

→ VISION

Being among the three Largest Manufacturers & Suppliers in All Industrial Market We Choose to be In.

Being Recognized as a Technology Leader in all Technology Areas We choose to be in Serving our Clients wherever they are located.

→ QUALITY POLICY

We at AKPF are Committed to satisfy Customer Requirements in terms of Quality & Strive to be their Preferred Business Partner by Adhering to ISO 9001:2008 Quality MANAGEMENT SYSTEM with CONTINUOUS IMPROVEMENT.

- **AK PIPE FITTINGS PVT. LTD.,** Previously GUJARAT ENGINEERING COMPANY is a renowned name in the field of Stainless Steel Pipe Fittings to the Petro-Chemical and Fertilizer Industries, Oil & Gas Refineries, Chemical Industries.
- With a humble beginning in the year 1978 with their plant in Vasai, started by **Mr. Anil Kadakia, Mr. Kalpesh kadakia & Mr. Bakul Kadakia,** the company is in the second generation of entrepreneurship with combined experience of 200 years. In 1988, the company then expanded with another plant at waghodia near Baroda. Today, over the years of experience, they also have developed another state of art facility in alindra (savli), Dist. Vadodara.
- The company is well-equipped to handle piping projects of any size and complexity. It manufactures the widest range of Precision Seamless & Welded B/W Pipe Fittings, Forged S/W & Screwed Fittings Flanges, Pipe Spools, Long Radius Induction Bends & various other specialized tailor made fabricated products in stainless steel, alloy steel, carbon steel & LTCS, in different grades, sizes, types, schedules & class, in India. The products are manufactured in high class facilities and are inspected and duly certified by various Third Party Inspection agencies like BVQI, SGS etc.
- With our modernized plant and customized approach we look forward to see a fruitful relationship ahead.





AK Pipe Fittings Pvt. Ltd.

(Formerly Gujarat Engineering Company)

Product Range

ITEM DESCRIPTION

PIPES :
TYPES : SEAMLESS & WELDED
SIZES : (in various schedules)
½" NB to 24" NB. (Seamless) & ½" NB to 48"
(ERS/SPIRAL)
STANDARDS :
ASTM A 106 GR. A/B/C
A 335 GR. P1, P5, P9, P11, P12, P22, P91.
ASTM A 333, GR.3, GR.6
ASTM A 334 GR.1, GR.6, A161, A200,
ASTM A 312 GR, TP 304, 304L, 321, 347, 316, 316L 316 TI, 409
API 5, A5, AX, 5L, 5LX, X46, X51&X60,
IS 1239, 3589 (BLACK GR 330 & Gr410) SAW 672.

DIMENSIONS :
ANSL B 36, 10 & B 36.19

ITEM DESCRIPTION

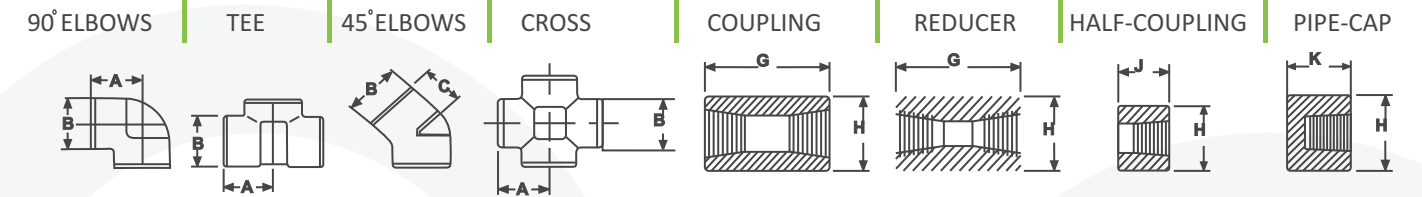
PIPE FITTINGS : Elbows, Tees, Reducers, Caps, Return, Bends, Crosses,
Coupling, Stubends, O'Lets, Nipples etc.
TYPES : SEAMLESS & WELDED + FORGED (SOCKET WELD & SCREWED)
SIZES : (in various schedules)

(1) SEAMLESS & WELDED		
Products	(SIZE) Seamless	(SIZE) WELDED
Elbows	2"NB TO 24"NB	2"NB TO 48"NB
Reducers	2"NB TO 24"NB	2"NB TO 100"NB
Tees	2"NB TO 20"NB	2"NB TO 42"NB
Caps	2"NB TO 24"NB	2"NB TO 100"NB
Stub Ends	2"NB TO 24"NB	2"NB TO 48"NB
Return Bends	2"NB TO 24"NB	2"NB TO 12"NB
Cross	2"NB TO 12"NB	2"NB TO 6"NB

(II) FORGED SW & SCREWED

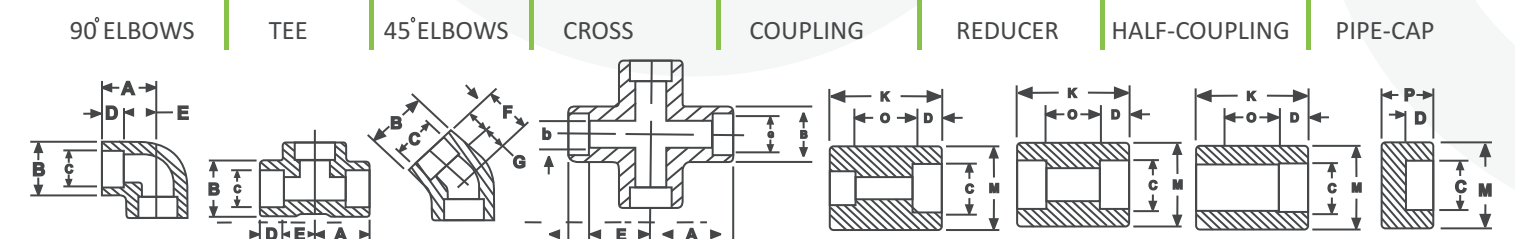
SIZES : ½ NB TO 4" NB (in various class)
STANDARDS :
ASTM A 105
A 182 F-304/304, L /316/316L/321
ASTM A 350 LF 1,LF 2, LF 3
ASTM A 182 F5,F9, F11, F22, IS 2062, IS 1239, IS 3589
ASTM A 234, WPA, WPB, WPC, WP 1, WP 5, WP 9, WP 11
WP 12, WP 22

DIMENSIONS IN M.M. of SCREWED TO ANSI B 16.11 THREAD TO ANSI B 2.1



NOM	PIPE	3000 LBS SERIES									6000 LBS SERIES								
BORE	O.D.	T	A	B	C	L	G	H	J	K	A	B	C	L	G	H	J	K	
1/8	10.29	5.0	21	22	17	6.7	32	16	16	19	25	25	19	6.7	32	22	16	-	
1/4	13.72	5.0	25	25	19	10.2	35	19	17.5	25	29	33	22	10.2	35	25	17.5	27	
3/8	17.15	5.0	29	33	22	10.4	38	22	19	25	33	38	25	10.4	38	32	19	27	
1/2	21.34	6.5	33	38	25	13.6	48	28	24	32	38	46	28	13.6	48	38	24	33	
3/4	26.67	6.5	38	46	28	13.9	51	35	25.5	37	44	56	33	13.9	51	44	25.5	38	
1	33.40	9.5	44	56	33	17.3	60	44	30	41	51	62	35	17.3	60	57	30	43	
1-1/4	42.16	9.5	51	62	35	18.0	67	57	33.5	44	60	75	43	18.0	67	64	33.5	46	
1-1/2	48.26	11.2	60	75	43	18.4	79	64	39.5	44	64	84	44	18.4	79	76	39.5	48	
2	60.32	12.5	64	84	44	19.2	86	76	43	48	83	102	52	19.2	86	92	43	51	
2-1/2	73.02	16	83	102	52	28.9	92	92	46	60	95	121	64	28.9	92	108	46	64	
3	88.90	19	95	121	64	30.5	108	108	54	65	106	146	79	30.5	108	127	54	68	
4	114.30	22	114	152	79	33.0	121	140	60.5	68	114	152	79	33.0	121	159	60.5	75	

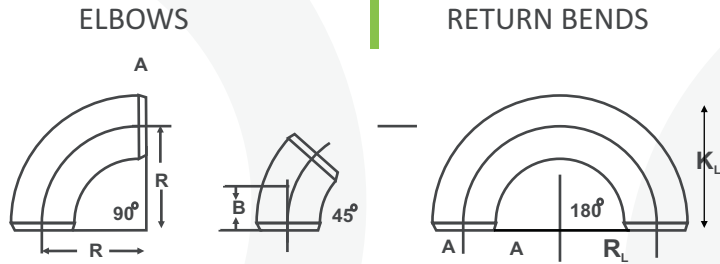
DIMENSIONS IN M.M. of SOCKET WELD FITTINGS TO ANSI B 16.11



NOM BORE	PIPE O.D	3000 LBS SERIES 6000 LBS SERIES										3000 6000		P
		A	B	C	D	E	F	K	G	b		H	O	
										3000	6000			
1/8	10.29	19.5	17.16	10.8	9.5	10	17.16	25.5	7	6.80	4.0	25.5	6.5	14.3
		21.5	17.56			12	18.5		9					-
1/4	13.72	19.5	20.80	14.2	9.5	10	16.5	25.5	7	9.25	6.35	25.5	6.5	14.3
		21.5	22.16			12	18.5		9					-
3/8	17.15	21.5	24.60	17.6	9.5	12	16.5	25.5	7	12.55	9.15	27.0	6.5	14.3
		24.5	26.02			15	18.5		9					-
1/2	21.34	23.5	29.98	21.8	9.5	14	19.0	28.5	9.5	15.80	11.75	32.0	9.5	15.9
		26.5	32.54			17	22.0		12.5					-
3/4	26.67	30.0	35.74	27.2	12.5	17.5	24.0	34.5	11.5	20.95	15.55	36.5	9.5	18.9
		33.0	37.40			20.5	27.0		14.5					-
1	33.40	33.0	43.86	33.9	12.5	20.5	24.5	37.5	12.0	26.65	20.70	41.0	12.5	22.1
		37.0	45.68			24.5	28.5		16.0					-
1-1/4	42.16	37.0	53.26	42.7	12.5	25.0	28.0	37.5	15.5	35.05	29.45	42.5	12.5	22.1
		41.5	55.24			29.0	32.0		19.5					-
1-1/2	48.26	42.5	59.88	48.8	12.5	28.0	31.0	37.5	18.5	40.85	40.85	44.5	12.5	23.7
		46.5	61.90			34.0	34.5		22.5					-
2	60.32	52.0	73.28	60.32	16	36	39.5	51.0	23.5	52.50	52.50	57.0	19	28.7
		56.0	75.56			40	43.5		27.5					-
2-1/2	73.02	54.5	89.24	73.9	16	38.5	42.0	51.0	26.0	62.70	62.70	59.0	19	-
		59.5	91.2			43.5	47		31.0					-
3	88.90	70.5	106.40	89.8	16	54.5	46.0	51.0	30.0	77.90	77.90	60.5	19	-
		75.5	109.34			59.5	59.5		34.0					-
4	114.30	85.5	133.90	115.20	115.20	66.5	66.5	57.0	38.5	102.25	102.25	67.0	19	-
		90.0	137.08			71.0	71.0		43.5					-

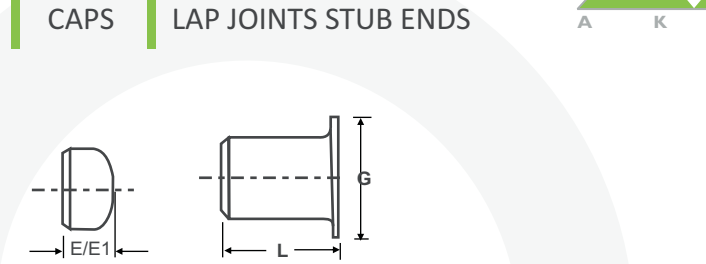


DIMENSIONS OF BUTT WELDING FITTING TO ANSI B 16.9 (UP TO 48")



NOM BORE	PIPE OD	RADIUS 'R'			K	E / E1	G	LENGTH 'L'	
		1 D	1.5 D	B (1.5 D)				MSS SP 43	ANSI B 16.9
1/8	21.3	12.7	38.1	15.9	48	25.4	34.9	50.8	76.2
3/4	26.7	19.05	38.1	19.0	51	25.4	42.8	50.8	76.2
1	33.4	25.4	38.1	22.2	56	38.1	50.8	50.8	101.6
1 1/4	42.2	31.75	47.6	25.0	70	38.1	63.5	50.8	101.6
1 1/2	48.3	38.1	57.15	28.6	83	38.1	73.0	50.8	101.6
2	60.3	50.8	76.2	35.0	106	44*	92.0	63.5	152.4
2 1/2	73.0	63.5	95.25	44.0	132	51*	106	63.5	152.4
3	88.9	76.2	114.3	50.8	159	64*	127.0	63.5	152.4
3 1/2	101.6	88.9	133.35	57.2	184	76*	139.7	76.2	152.4
4	114.3	101.6	152.4	63.5	210	76*	157.2	76.2	152.4
5	141.3	127.0	190.5	79.4	262	89*	185.7	76.2	203.2
6	168.3	152.4	228.6	95.3	313	102*	218	88.9	203.2
8	219.1	203.2	304.8	127.0	414	127*	270.0	101.6	203.2
10	373.1	254.0	381.0	158.7	518	152*	324.0	127.0	254.0
12	323.9	304.8	457.2	190.5	619	178*	381.0	152.4	254.0
14	355.6	355.6	533.4	222.2	711	191*	412.8	152.4	305.0
16	406.4	406.4	609.6	254.0	813	203*	470.0	152.4	305.0

NORMAL WALL THICKNESS	END PREPARATION
Less the x*	Cut square or slightly chamfer, at mrf's option
x* to 0.88 inch (22)	Plain bevel as in sketch "A" above
More than 0.88 (22)	Compound bevel as in sketch "b" above
	x*=0.19(5) for carbon steel or femitic alloy steel and 0.12 (4) for austenitic alloy steel.

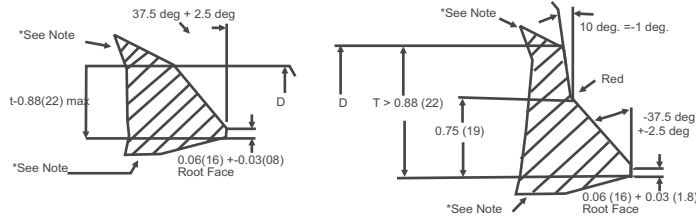


NOM BORE	PIPE OD	RADIUS 'R'			K	E / E1	G	LENGTH 'L'	
		1 D	1.5 D	B (1.5 D)				MSS SP 43	ANSI B 16.9
18	457.2	457.2	685.8	285.7	914	229*	533.4	152.4	305.0
20	508.0	508.0	762.0	317.6	1016	254*	584.2	152.4	305.0
22	558.8	558.8	838.2	343.0	1118	254*	641.4	152.4	305.0
24	609.6	609.6	914.4	381.0	1219	305*	692.2	152.4	305.0
26	660.0	660.0	991.0	405.0	--	267.0	--	--	--
28	711.0	711.0	1067.0	438.0	--	267.0	--	--	--
30	762.0	762.0	1143.0	470.0	--	267.0	--	--	--
32	813.0	813.0	1219.0	502.0	--	267.0	--	--	--
34	864.0	864.0	1295.0	533.0	--	267.0	--	--	--
36	914.0	914.0	1372.0	565.0	--	267.0	--	--	--
38	965.0	965.0	1448.0	600.0	--	305.0	--	--	--
40	1016.0	1016.0	1524.0	632.0	--	305.0	--	--	--
42	1067.0	1067.0	1600.0	660.0	--	305.0	--	--	--
44	1118.0	1118.0	1676.0	695.0	--	343.0	--	--	--
46	1168.0	1168.0	1753.0	727.0	--	343.0	--	--	--
48	1219.0	1219.0	1829.0	759.0	--	343.0	--	--	--
--	--	--	--	--	--	--	--	--	--

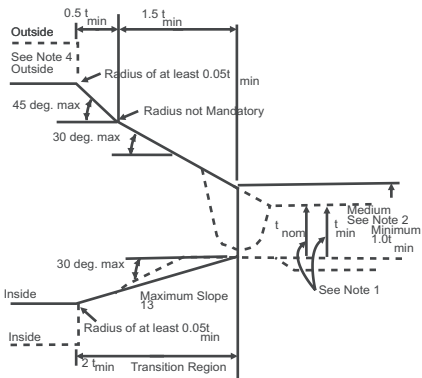
ENDS PREPARATION AS PER ANSI B 16.9

SKETCH "A" Plain Bevel

SKETCH "B" Compound Bevel



TRANSITION CONTOUR



ANSI PIPE SCHEDULE SI-UNITS (METRIC)

Dimension and weight of pipes to
ANSI/ASME B 36.10 AND 36.19

For 5 S, 10 S, 40 S, 80 S : Figures are based on austenitic steel

Nominal Pipe Size Inches	OD D mm	5 S	10 S	10	20	30	STD	40 S	40	60	XS	80 S	80	100	120	140	160	XXS
1/8	10.30		1.24 0.28	1.24 0.28		1.45 0.32	1.73 0.37	1.73 0.36	1.73 0.37		2.41 0.47	2.41 0.48	2.41 0.47					
1/4	13.70		1.65 0.51	1.65 0.48		1.85 0.54	2.24 0.63	2.24 0.64	2.24 0.63		3.02 0.80	3.02 0.82	3.02 0.80					
3/8	17.10		1.65 0.64	1.65 0.53		1.85 0.7	2.31 0.84	2.31 0.86	2.31 0.84		3.20 1.10	3.20 1.12	3.20 1.10					
1/2	21.30	1.65 0.82	2.11 1.01	2.11 1.04		2.41 1.12	2.77 1.27	2.77 1.30	2.77 1.27		3.73 1.62	3.73 1.65	3.73 1.62				4.78 1.95	7.47 2.55
3/4	26.70	1.65 1.04	2.11 1.31	2.11 1.28		2.41 1.44	2.87 1.69	2.87 1.71	2.87 1.69		3.91 2.20	3.91 2.24	3.91 2.20				5.56 2.90	7.82 3.64
1	33.40	1.65 1.33	2.77 2.13	2.77 2.09		2.8 2.97	3.38 2.50	3.38 2.55	3.38 2.50		4.55 3.24	4.55 3.29	4.55 3.24				6.35 4.24	9.09 5.45
1 1/4	42.20	1.65 1.68	2.77 2.76	2.77 2.7		2.87 3.18	3.56 3.39	3.56 3.46	3.56 3.39		4.85 4.47	4.85 4.56	4.85 4.47				6.35 5.61	9.70 7.77
1 1/2	48.30	1.65 1.95	2.77 3.17	2.77 3.11		3.53 3.18	3.68 4.05	3.68 4.13	3.68 4.05		5.08 5.41	5.08 5.51	5.08 5.41				7.14 7.25	10.15 9.56
2	60.30	1.65 2.44	2.77 4.01	2.77 3.93		4.48 4.78	3.91 5.44	3.91 5.54	3.91 5.44		5.54 7.48	5.54 7.63	5.54 7.48				8.74 11.11	11.07 13.44
2 1/2	73/00	2.11 3.77	3.05 5.36	3.05 5.26		8.04 4.78	5.16 8.63	5.16 8.81	5.16 8.63		7.01 11.41	7.01 11.64	7.01 11.41				9.53 14.92	14.02 20.39
3	88.90	2.11 4.60	3.05 6.59	3.05 6.45		9.92 4.78	5.49 11.52	5.49 11.52	5.49 11.52		7.62 15.27	7.62 15.59	7.62 15.27				11.13 21.35	15.24 27.68
3 1/2	101.60	2.11 5.29	3.05 7.55	3.05 7.4		11.41 4.78	5.74 13.57	5.74 13.82	5.74 13.57		8.08 18.63	8.08 19.01	8.08 18.63				-	-
4	114.30	2.11 5.96	3.05 8.52	3.05 8.36		12.91 16.07	6.02 16.40	6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.77	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03
5	141.30	2.77 9.67	3.40 11.82	3.4 11.57			6.55 21.77	6.55 22.20	6.55 21.77		9.53 30.97	9.53 31.59	9.53 30.97		12.70 40.28		15.88 49.11	19.05 57.43
6	168.30	2.77 11.55	3.40 14.13	3.4 13.84			7.11 28.26	7.11 28.83	7.11 28.26		10.97 42.56	10.97 43.42	10.97 42.56		14.27 54.20		18.26 67.56	21.95 79.22
8	219.10	2.77 15.09	3.76 20.37	3.76 19.96	6.35 33.31	36.81 180	8.18 42.55	8.18 43.39	8.18 42.55	10.3 64.64	12.70 65.95	12.70 64.64	12.70 65.95	15.09 90.44	18.26 100.92	20.62 111.27	23.01 111.27	22.23 107.92
10	273.10	3.40 23.08	4.19 28.34	4.19 27.76	6.35 41.77	51.03 8.38	9.27 60.31	9.27 61.52	9.27 60.31	12.70 81.55	12.70 81.55	12.70 83.19	12.70 96.01	15.09 114.75	18.26 133.06	21.44 155.15	25.40 172.33	25.40 155.15
12	323.90	3.96 31.89	4.57 36.73	4.57 36.00	6.35 49.73	65.20 9.53	9.53 73.88	9.53 75.32	9.53 73.88	12.70 108.96	12.70 97.46	12.70 99.43	12.70 138.08	15.09 159.91	18.26 186.97	21.44 208.14	25.40 238.76	25.40 186.97
14	355.60	3.96 36.06	4.78 42.14	6.35 54.69	7.92 67.90	81.33 9.53	9.53 81.33			11.13 94.55	12.70 126.71	12.70 107.39	12.70 158.10	15.09 194.96	18.26 224.65	21.44 253.56	25.40 281.70	
16	406.40	4.19 42.41	4.78 48.26	6.35 62.64	7.92 77.83	93.27 11.13	9.53 93.27			12.70 123.30	12.70 160.12	12.70 123.30	12.70 203.53	15.09 245.56	18.26 286.64	21.44 333.19	25.40 365.70	
18	457.00	4.19 47.77	4.78 54.36	6.35 70.57	7.92 87.71	122.38 12.70	9.53 105.16			14.27 155.80	12.70 205.74	12.70 139.15	12.70 254.55	15.09 309.62	18.26 363.56	21.44 408.26	25.40 459.37	
20	508.00	4.78 60.46	5.54 70.00	6.35 78.55	9.53 117.15	155.12 12.70	9.53 117.15			15.09 183.42	12.70 247.83	12.70 155.12	12.70 311.17	15.09 381.53	18.26 441.49	21.44 508.11	25.40 564.81	
22	559.00	4.78 66.57	5.54 77.06	6.35 86.54	9.53 129.13	171.09 14.27	9.53 129.13			-	22.23 294.25	12.70 171.09	12.70 28.58	12.70 34.93	12.70 41.28	12.70 47.63	12.70 53.98	
24	610.00	5.54 84.16	6.35 96.37	6.35 94.53	9.53 141.12	209.64 -	9.53 141.12			17.48 255.41	12.70 355.26	12.70 187.06	12.70 442.08	12.70 547.71	12.70 640.03	12.70 720.15	12.70 808.22	
26	660.00			7.92 127.36	12.70 202.72	-	9.53 152.87			-	-	12.70 202.72						
28	711.00			7.93 137.32	12.70 218.69	271.21 15.88	9.53 164.85			-	-	12.70 218.70						
30	762.00	6.35 120.72	7.92 150.36	7.92 147.28	12.70 234.67	292.18 15.88	9.53 176.84			-	-	234.67 12.70						
32	813.00			7.92 157.24	12.70 250.64	312.88 332.12	9.53 188.82			17.48 342.91		250.64 12.70						
34	864.00			7.92 167.20	12.70 266.61	15.88 351.70	9.53 200.31			17.48 364.90		266.61 12.70						
36	914.00			7.92 176.96	12.70 282.27		9.53 212.56			19.05 420.42		282.27 12.70						
38	965.00						9.53 224.54					298.24 12.70						
40	1016.00						9.53 236.53					314.22 12.70						
42	1067.00						9.53 248.52					330.19 12.70						
44	1118.00						9.53 260.50					346.16 12.70						
46	1168.00						9.53 272.25					351.82 12.70						
48	1219.00						9.53 284.24					377.79						

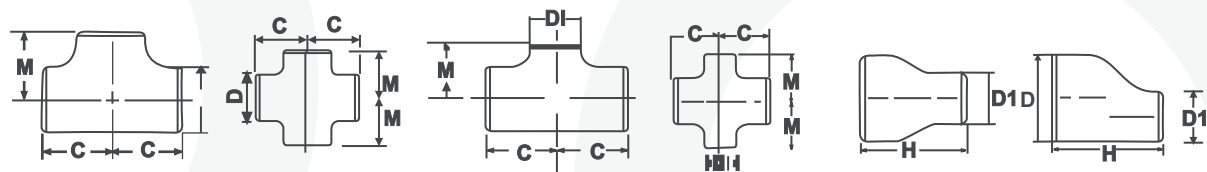
DIMENSIONS OF BUTT WELDING FITTING TO ANSI B 16.9 (UP TO 48")



EQUAL TEE & CROSS

UNEQUAL TEE & CROSS

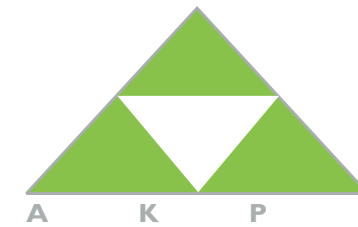
CONCENTRIC & ECCENTRIC REDUCERS



Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length	Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length	Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length	Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length	Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length	Nominal Pipe Size Inches	Center to End Run	Center to End Branch	Length
DxD1	C	M	H	DxD1	C	M	H	DxD1	C	M	H	DxD1	C	M	H	DxD1	C	M	H	DxD1	C	M	H
1x1	38	38	-	5x5	124	124	-	18x18	343	343	-	30x30	559	559	-	38x38	711	711	-	44x44	813	762	-
1 1/2	38	38	51	5x2	124	105	127	18x16	343	330	381	30x28	559	546	610	38x36	711	711	610	44x42	813	762	610
1 1/2	38	38	51	5x2 1/2	124	108	127	18x14	343	330	381	30x26	559	546	610	38x34	711	698	610	44x40	813	749	610
1 1/2	48	48	51	5x3	124	111	127	18x12	343	321	381	30x24	559	533	610	38x32	711	686	610	44x38	813	737	610
1 1/2	48	48	51	5x3 1/2	124	114	127	18x10	343	308	381	30x22	559	521	610	38x30	711	673	610	44x36	813	724	610
1 1/2	48	48	51	5x4	124	117	127	18x8	343	298	(381)	30x20	559	(508)	(610)	38x28	711	648	610	44x34	813	724	(610)
1 1/2	48	48	51	6x6	143	143	-	20x20	381	381	-	30x18	559	(495)	(610)	38x26	711	648	610	44x32	813	711	(610)
1 1/2	57	57	-	6x2 1/2	143	121	140	20x18	381	368	508	30x16	559	(483)	(610)	38x24	711	635	(610)	44x30	813	711	(610)
1 1/2	57	57	64	6x3	143	124	140	20x16	381	356	508	30x14	559	(483)	(610)	38x22	711	622	(610)	44x28	813	698	(610)
1 1/2	57	57	64	6x3 1/2	143	127	140	20x14	381	356	508	30x12	559	(473)	(610)	38x20	711	610	(610)	44x26	813	698	(610)
1 1/2	57	57	64	6x4	143	130	140	20x12	381	346	508	30x10	559	460	(610)	38x18	711	597	(610)	44x24	813	698	(610)
1 1/2	57	57	64	6x5	143	137	140	20x10	381	333	(508)	32x32	597	597	-	40x40	749	749	-	44x22	813	686	(610)
2x2	64	64	-	8x8	178	178	-	20x8	381	324	(508)	32x30	597	584	610	40x38	749	749	610	44x20	813	686	(610)
2 1/2	64	44	76	8x6	178	168	152	22x22	419	419	-	32x28	597	572	610	40x36	749	737	610	46x46	851	800	-
2x1	64	51	76	8x5	178	162	152	22x20	419	406	508	32x26	597	572	610	40x34	749	724	610	46x44	851	800	711
2x1 1/2	64	57	76	8x4	178	156	152	22x18	419	394	508	32x24	597	559	610	40x32	749	711	610	46x42	851	787	711
2x1 1/2	64	60	76	8x3 1/2	178	152	152	22x16	419	381	508	32x22	597	546	(610)	40x30	749	698	610	46x40	851	775	711
2 1/2	76	76	-	10x10	216	216	-	22x14	419	381	508	32x20	597	533	(610)	40x28	749	673	(610)	46x38	851	762	711
2 1/2	76	57	89	10x8	216	203	178	22x12	419	371	(508)	32x18	597	521	(610)	40x26	749	673	(610)	46x36	851	762	(711)
2 1/2	76	64	89	10.6	216	194	178	22x10	419	359	(508)	32x16	597	508	(610)	40x24	749	660	(610)	46x34	851	749	(711)
2 1/2	76	67	89	10x5	216	191	178	24x24	432	432	-	32x14	597	508	(610)	40x22	749	648	(610)	46x32	851	749	(711)
2 1/2	76	70	89	10x4	216	184	178	24x22	432	432	508	34x34	635	635	-	40x20	749	635	(610)	46x30	851	737	(711)
3x3	86	86	-	12x12	254	254	-	24x20	432	432	508	34x32	635	622	610	40x18	749	622	(610)	46x28	851	737	(711)
3x1 1/2	86	70	89	12x10	254	241	203	24x18	432	419	508	34x30	635	610	610	42x42	762	711	-	46x26	851	737	(711)
3x1 1/2	86	73	89	12x8	254	229	203	24x16	432	406	508	34x28	635	597	610	42x40	762	711	610	46x24	851	724	(711)
3x2	86	76	89	12x6	254	219	203	24x14	432	406	(508)	34x26	635	597	610	42x38	762	711	610	46x22	851	724	(711)
3x2 1/2	86	83	89	12x5	254	216	203	24x12	432	397	(508)	34x24	635	584	(610)	42x36	762	711	610	48x48	889	838	-
3 1/2	95	95	-	14x14	279	279	-	24x10	432	384	(508)	34x22	635	572	(610)	42x34	762	711	610	48x46	889	838	711
3 1/2	95	79	102	14x12	279	270	330	26x26	495	495	-	34x20	635	559	(610)	42x32	762	711	610	48x44	889	838	711
3 1/2	95	83	102	14x10	279	257	330	26x24	495	483	610	34x18	635	546	(610)	42x30	762	711	610	48x42	889	813	711
3 1/2	95	89	102	14x8	279	248	330	26x22	495	470	610	34x16	635	533	(610)	42x28	762	698	(610)	48x40	889	813	711
3 1/2	95	92	102	14x6	279	238	330	26x20	495	457	610	36x36	673	673	-	42x26	762	698	(610)	48x38	889	813	(711)
4x4	105	105	-	16x16	305	305	-	26x18	495	444	610	36x34	673	660	610	42x24	762	660	(610)	48x36	889	787	(711)
4x1 1/2	105	86	102	16x14	305	305	356	26x16	495	432	(610)	36x32	673	648	610	42x22	762	660	(610)	48x34	889	787	(711)
4x2	105	89	102	16x12	305	295	356	26x14	495	432	(610)	36x30	673	635	610	42x20	762	660	(610)	48x32	889	787	(711)
4x2 1/2	105	95	102	16x10	305	283	356	26x12	495	422	(610)	36x28	673	622	610	42x18	762	648	(610)	48x30	889	762	(711)
4x3	105	98	102	16x8	305	273	356	28x28	521	521	-	36x26	673	622	610	42x16	762	635	(610)	48x28	889	762	(711)
4x3 1/2	105	102	102	16x6	305	264	(356)	28x26	521	521	610	36x24	673	610	(610)	48x26	889	762	(711)	48x26	889	762	(711)
								28x24	521	508	610	36x22	673	597	(610)	48x24	889	737	(711)	48x24	889	737	(711)
								28x22	521	495	610	36x20	673	584	(610)	48x22	889	737	(711)				
								28x20	521	483	610	36x18	673	572	(610)								
								28x18	521	470	(610)	36x16	673	559	(610)								
								28x16	521	457	(610)												
								28x14	521	457	(610)												
								28x12	521	448	(610)												

DIMENSIONAL TOLERANCES AS PER
ANSI B16.9 / B 16.28 / MSS SP-43 / MSS SP-75

ALL FITTINGS								90° / 60° / 15° / 30° ELBOWS AND TEES			REDUCERS			180. RETURNS						CAPS			ANGULARITY TOLERANCE																												
Nominal Pipe Size Inches	Outside Diameter at Bevel		Inside Diameter at End		Wall Thickness			Center End Dimension			Overall Length			Center to Center Dimension		Back to Face Dimension		Alignment of Ends		Overall Length			Nominal Pipe Size Inches	Off Angle		Off Plane																									
	D				T			A, B, C, M			H			O		K		U		E/E1				Q		P																									
	(1)B 16.9 [Note 1,6]	MSS SP 75	(2)B 16.9 [Note 1,7]	MSS SP 75	B 16.9 [Note 7]	MSS SP 43	MSS SP 75	B 16.9	MSS SP 43	MSS SP 75	B 16.9	MSS SP 43	MSS SP 75	B 16.9	MSS SP 43	B 16.9	MSS SP 43	B 16.9	MSS SP 43	B 16.9	MSS SP 43	MSS SP 75		B 16.9	MSS SP 75	B 16.9	MSS SP 75																								
1/2"	+1.6	-0.8	+0.8	-	-	-	-	From 1/2"	From 3/4"	-	From 1/2"	From 3/4"	16" to	From 1/2"	From 1/2"	From 1/2"	From 1/2"	From 1/2"	From 1/2"	From 1/2"	-	From 1/2"	+1	16" to	+2	16" to																									
to																																																			
2 1/2"	+0.79		+1.6																												+2	+1.59	+2	+1.59	+2.4	+6	+6.35	+6	+6.35	+1.0	+0.79	+3	+3.17				5" to 8"	+2	+1.6	+4	+6.4
3" to 4"	+1.6																																														10" to 12"	+2		+5	
					Not Less	Than		From 26"		+2.4														14" to 16"	+3	+6																									
5" to 8"	+2.4	+1.59		From 16"																								Not Less	87.5%																14" to 24"	+4	26" to	+10	26" to		
	-1.6	-0.79		to 36"	Than	of		to 30"																	36"		36"																								
10" to 18"	+4	+2.38	+3.2	+24	87.5%	Nominal	16" to	+3	From 10"	From 26"		From 26"	From 10"	From 10"					From 10"	From 10"	From 5"		From 16"		+2.4		+12.7																								
	-3	-0.79				Thk	24"		to 24"	to 36"			to 36"	to 24"	to 26"				to 24"	to 24"	to 24"		to 24"	26" to 30"	+5		+10																								
					Nominal		0.25mm		+2.38	+3.2			From 10"	+4.8	+10	+9.53			+2.0	+1.59	+6		+6.8			38" to		38" to																							
					Thk							to 24"													48"		48"																								
20" to 48"	+6	+3.17	+4.8	From 38"		26" to	From 32"		From 38"	From 26"	+2.38	38" to	OUT OF ROUNDNESS MSS SP 75(3)							From	From	26"	32" to 42"	+5	+3.2	+13	+19																								
	-4.8	-0.79		to 48"		36"	to 48"		to 48"	to 48"		48"	Nominal	At Ends		Though	For 3 R		26" to	5" to	to																														
				+3.2		0.25mm	+5		+4.8	+5		+9.5	Pipe	of		out Body	MSS		48"	24"	48"	44" to 48"	+5		+19																										
													Size	Fittings		of	SP 75		+10	+6.35	+9.53																														
													Inches			Elbow																																			
														16" to 24"	4.8	3.2	2.5%	+3.2																																	
														26" to 36"		3.2	2.5%	+6.4																																	
														38" to 48"		3.2	2.5%	+9.4																																	



DIRECTOR MESSAGE

Dear Business Friends,

- Since its inception in 1978, AKPF has come a long way. We take this opportunity to thank our real patrons - Our Esteemed Customers, whose continuous support has encouraged us to overcome all hurdles.
- Today you are looking at our website which is basic & provides you all the information in detail about our product range. This product range is brought to you with 40 Years of practical experiences, untiring research work and the specialised knowledge that makes AKPF one of India's leading source of Piping products. By using our tried and tested procedures along with our experience and innovativeness, AKPF offers the best solutions to meet your individual requirements.
- We continuously strive to improve our products, services & technology in line with your expectations,
- We Welcome You to Let Us Have an Opportunity to Meet & Understanding your Specific Requirements.

