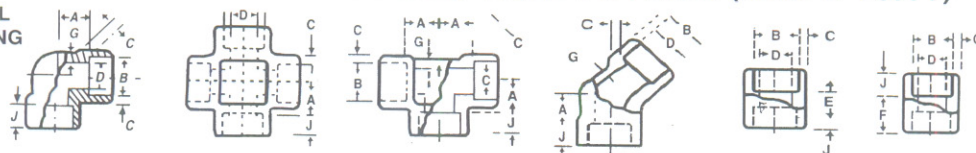




DIMENSIONS OF SOCKET WELD FITTINGS (ANSI B 16.11)

FORGED STEEL
SOCKET-WELDING
FITTINGS
ANSI B16.11



ELBOW 90 DEG

CROSS

TEE

ELBOW 45 DEG

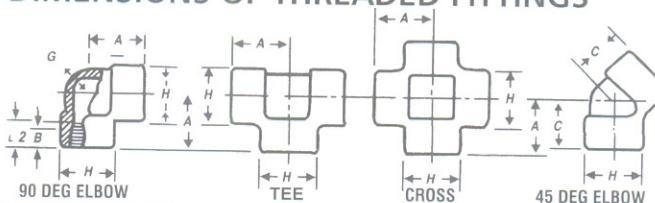
COUPLING

HALF COUPLING

Nom. Pipe Size	Socket bore Dia.(2) B	Bore Diameter of (2) Fittings D			Socket Wall Thickness (1) C						Depth of Socket J Min.	Centre to Bottom of Socket - A						Laying Lengths		Tolerances		
					Pressure Class Designation							90DEG Elbows, Tees, and Crosses			45DEG Elbows							
		Pressure Class Designation			3000		6000		9000			Pressure Class Designation						E	Half F	A	E	F
					Ave.	Min.	Ave.	Min.	Ave.	Min.		3000	6000	9000	3000	6000	9000					
		3000	6000	9000	Ave.	Min.	Ave.	Min.	Ave.	Min.		3000	6000	9000	3000	6000	9000	E	Half F	A	E	F
1/8	10.92	7.59	4.80																			
	10.66	6.07	3.20		3.17	3.17	3.96	3.42			9.65	11.17	11.17		7.87	7.87		6.35	15.74	0.76	1.52	0.76
1/4	14.35	10.00	7.11																			
	14.09	8.48	5.58		3.78	3.30	4.59	4.01			9.65	11.17	13.46		7.87	7.87		6.35	15.74	0.76	1.52	0.76
3/8	17.78	13.28	9.88																			
	17.52	11.76	8.35		4.01	3.50	5.02	4.36			9.65	13.46	15.74		7.87	11.17		6.35	17.52	1.52	3.04	1.52
1/2	22.04	16.56	12.54	7.62																		
	21.71	15.03	11.02	6.09	4.68	4.08	5.96	5.18	9.34	8.17	9.65	15.74	19.05	25.40	11.17	12.70	15.74	9.65	22.35	1.52	3.04	1.52
3/4	27.30	21.69	16.30	11.78																		
	27.05	20.16	14.78	10.26	4.90	4.26	6.95	6.04	9.77	8.55	12.70	19.05	22.35	28.44	12.70	14.22	19.05	9.65	23.87	1.52	3.04	1.52
1	34.03	27.40	21.46	15.97																		
	33.78	25.88	19.93	14.45	5.68	4.97	7.92	6.93	11.37	9.95	12.70	22.35	26.92	31.75	14.22	17.52	20.57	12.70	28.44	2.03	4.06	2.09
1.1/4	42.79	35.81	30.22	23.52																		
	42.54	34.30	28.70	21.99	6.07	5.28	7.92	6.93	12.14	10.61	12.70	26.92	31.75	35.05	17.52	20.51	22.35	12.70	30.22	2.03	4.06	2.09
1.1/2	48.89	41.65	34.74	28.70																		
	48.64	40.13	33.22	27.17	6.35	5.53	8.91	7.79	12.70	11.12	12.70	31.70	38.10	38.10	20.57	25.40	25.40	12.70	31.75	2.03	4.06	2.03
2	61.36	53.26	43.61	38.93																		
	61.11	52.20	41.90	37.41	6.93	6.04	10.92	9.49	13.84	12.11	15.74	38.10	41.14	58.84	25.40	28.44	28.44	19.05	41.14	2.03	4.06	2.03
2.1/2	74.18	64.23																				
	73.18	61.18			8.76	7.67					15.74	41.14			28.44			19.05	43.09	2.54	5.08	2.54
3	90.17	79.45																				
	89.78	76.40			9.52	8.30					15.74	57.15			31.75			19.05	44.45	2.54	5.08	2.54
4	115.82	103.78																				
	115.44	100.73			10.89	9.34					19.05	66.54			41.14			19.05	47.75	2.54	5.08	2.54

DIMENSIONS OF THREADED FITTINGS

FORGED STEEL
THREADED FITTINGS
ANSI B16.11



Nom. Pipe Size	A			C			H			G			Min.	
	2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L ₂
1/8	20.57	20.57	24.63	17.52	17.52	18.93	22.35	22.30	25.40	3.175	3.11	6.350	6.303	6.70
1/4	20.57	24.63	28.44	17.52	18.93	22.35	22.35	25.40	33.20	3.175	3.302	6.604	8.128	10.205
3/8	24.63	28.44	33.27	18.93	22.35	25.40	25.40	33.27	38.10	3.175	2.505	6.985	9.544	10.298
1/2	28.44	33.27	38.10	22.35	25.40	28.44	33.27	38.10	45.97	3.175	4.089	8.153	10.922	13.555
3/4	33.27	38.10	44.45	25.40	28.44	33.27	38.10	45.97	55.62	3.175	4.318	8.534	12.700	13.860
1	38.10	44.45	50.80	28.44	33.27	35.05	45.97	55.62	61.97	3.688	4.978	9.931	14.732	17.843
1-1/4	44.45	50.80	63.45	33.27	35.05	42.92	55.62	61.97	75.43	3.688	5.283	10.591	17.018	17.952
1-1/2	50.80	60.45	76.02	33.05	42.92	43.68	61.97	75.43	84.07	4.013	5.568	11.074	17.780	18.376
2	60.45	63.50	82.55	42.92	43.68	52.32	75.43	84.07	101.60	4.267	7.137	12.090	19.050	19.138
2-1/2	76.20	82.55	95.25	52.37	52.32	63.50	91.94	101.60	120.65	5.613	7.645	15.290	23.622	28.905
3	85.85	92.25	106.42	63.50	63.50	79.24	109.47	120.65	146.05	5.994	8.839	16.637	25.408	30.500
4	106.42	114.30	114.30	78.24	78.24	79.24	146.05	152.40	152.40	6.555	11.669	18.684	27.777	33.000