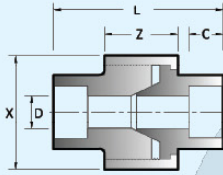
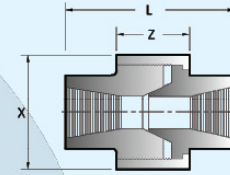


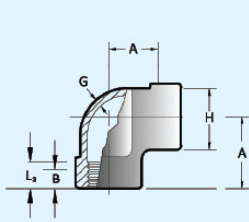
DIMENSIONS OF SOCKET - WELD



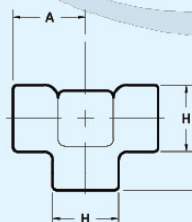
**AND
THREADED UNION**



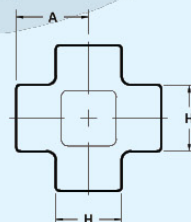
Nominal Pipe Size	3000 L B						6000 L B					
	L	X	D	Z	C	B	L	X	D	Z	C	B
1/8	36.0	32.0	6.1 - 7.6	16.0	11.0	10.7 - 10.9	-	-	-	-	-	-
1/4	42.0	38.0	8.5 - 10.6	18.0	11.0	14.1 - 14.4	-	-	-	-	-	-
3/8	45.0	41.0	11.8 - 13.3	19.0	11.0	17.5 - 17.8	-	-	-	-	-	-
1/2	49.0	50.0	15.0 - 16.6	21.0	13.1	21.7 - 22.0	56.0	54.0	11.0 - 12.6	24.0	13.5	21.7 - 22.0
3/4	56.0	54.0	20.2 - 21.7	24.0	13.5	27.1 - 27.3	59.0	63.0	14.8 - 16.3	25.0	15.5	27.1 - 27.3
1	59.0	63.0	25.9 - 27.4	25.0	15.2	33.8 - 34.0	67.0	77.0	19.9 - 21.5	29.0	17.0	33.8 - 34.0
1.1/4	67.0	77.0	34.3 - 35.8	29.0	17.4	42.5 - 42.8	70.0	85.0	28.7 - 30.2	30.0	19.0	42.5 - 42.8
1.1/2	70.0	85.0	40.1 - 41.7	30.0	18.8	48.6 - 48.9	81.8	95.0	33.2 - 34.8	35.8	21.0	48.6 - 48.9
2	81.8	95.0	51.7 - 53.3	35.8	21.8	61.1 - 61.4	90.0	122.0	42.1 - 43.6	42.0	23.0	61.1 - 61.4



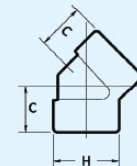
90° ELBOW



TEE



CROSS



45° ELBOW

DIMENSIONS OF FORGED THREADED FITTINGS [ANSI B 16.11]

Nominal Pipe Size	Center-to-End Elbows, Tees, Crosses, A	Center-to-End 45 deg Elbow, C			Outside Diameter of Band, H			Min. Wall Thickness, G			Min. Length of Thread			
		2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L ₂		
6	21	21	25	17	17	19	22	22	25	3.18	3.18	6.35	6.4	6.7
8	21	25	28	17	19	22	22	25	33	3.18	3.30	6.60	8.1	10.2
10	25	28	33	19	22	25	25	33	38	3.18	3.51	6.98	9.1	10.4
15	28	33	38	22	25	28	33	38	46	3.18	4.09	8.15	10.9	13.6
20	33	38	44	25	28	33	38	46	56	3.18	4.32	8.53	12.7	13.9
25	38	44	51	28	33	35	46	56	62	3.68	4.98	9.93	14.7	17.3
32	44	51	60	33	35	43	56	62	75	3.89	5.28	10.59	17.0	18.0
40	51	60	64	35	43	44	62	75	84	4.01	5.56	11.07	17.8	18.4
50	60	64	83	43	44	52	75	84	102	4.27	7.14	12.09	19.0	19.2
65	76	83	95	52	52	64	92	102	121	5.61	7.65	15.29	23.6	28.9
80	86	95	106	64	64	79	109	121	146	5.99	8.84	16.64	25.9	30.5
100	106	114	114	79	79	79	146	152	152	6.55	11.18	18.67	27.7	33.0