



CAP

HALF-COUPLING

FULL COUPLING

45° ELBOW

TEE

CROSS

90° ELBOW

DIMENSIONS OF SOCKET-WELDING FITTINGS [ANSI B16.11]

Nominal Pipe (mm)	Socket Bore dia. B (Note)	Bore Diameter of Fittings, D (Note 1)		Socket Wall Thickness, C		Body Wall G		Min. Depth of Socket J		Center to Bottom of Socket, A		Tolerances, ±		End Wall Thickness, K min.														
		Class Designation		Class Designation		Class Designation		Class Designation		90 deg. Elbows, Tees, and Crosses		Coupling, Half Coupling, F		Class Designation														
		3000	6000	9000	3000	6000	9000	3000	6000	9000	3000	6000	9000	A	E	F	3000	6000	9000									
6	11.2	7.6	4.8	-	3.18	3.18	3.96	3.43	-	2.41	3.15	-	9.5	11.0	11.0	-	8.0	8.0	-	6.5	16.0	1.0	1.5	1.0	4.8	6.4	-	
8	14.6	10.0	7.1	-	3.78	3.30	4.60	4.01	-	3.02	3.68	-	9.5	11.0	13.5	-	8.0	8.0	-	6.5	16.0	1.0	1.5	1.0	4.8	6.4	-	
10	18.0	13.3	9.9	-	4.01	3.50	5.03	4.37	-	3.20	4.01	-	9.5	13.5	15.5	-	8.0	11.0	-	6.5	17.5	1.5	3.0	1.5	4.8	6.4	-	
15	22.2	16.6	12.5	7.2	4.67	4.09	5.97	5.18	9.35	8.18	3.73	4.78	7.47	9.5	15.5	19.0	25.5	11.0	12.5	15.5	9.5	22.5	1.5	3.0	1.5	6.4	7.9	11.2
20	27.6	21.7	16.3	11.8	4.90	4.27	6.96	6.04	9.78	8.56	3.91	5.56	7.82	12.5	19.0	22.5	28.5	13.0	14.0	19.0	9.5	24.0	1.5	3.0	1.5	6.4	7.9	12.7
25	34.3	27.4	21.5	16.0	5.69	4.98	7.92	6.93	11.38	9.96	4.55	6.35	9.09	12.5	22.5	27.0	32.0	14.0	17.5	20.5	12.5	28.5	2.0	4.0	2.0	9.6	11.2	14.2
32	43.1	35.8	30.2	23.5	6.07	5.28	7.92	6.93	12.14	10.62	4.85	6.35	9.70	12.5	27.0	32.0	35.0	17.5	20.5	22.5	12.5	30.0	2.0	4.0	2.0	9.6	11.2	14.2
40	49.2	41.6	34.7	28.7	6.35	5.54	8.92	7.80	12.70	11.12	5.08	7.14	10.15	12.5	32.0	38.0	38.0	20.5	25.5	25.5	12.5	32.0	2.0	4.0	2.0	11.2	12.7	15.7
50	61.7	53.3	43.6	36.9	6.93	6.04	10.92	9.50	13.84	12.12	5.54	8.74	11.07	16.0	38.0	41.0	54.0	25.5	28.5	28.5	19.0	41.0	2.0	4.0	2.0	12.7	15.7	19.0
65	74.4	64.2	-	-	8.76	7.67	-	-	-	-	7.01	-	-	16.0	41.0	-	28.5	-	-	-	19.0	43.0	2.5	5.0	2.5	15.7	19.0	-
80	90.3	79.4	-	-	9.52	8.30	-	-	-	-	7.62	-	-	16.0	57.0	-	32.0	-	-	-	19.0	44.5	2.5	5.0	2.5	19.0	22.4	-
100	115.7	103.8	-	-	10.69	9.35	-	-	-	-	8.56	-	-	19.0	66.5	-	41.0	-	-	-	19.0	48.0	2.5	5.0	2.5	22.4	28.4	-