



## Socket Welding Fittings

DN	Nominal Pipe Size	Socket Bore Diameter, B [Note (D)]	Bore Diameter of Fittings, D [Note (1)]			Socket Wall Thickness, C [Note (2)]						Body Wall, G			Min. Depth of Socket, J	Center to Bottom of Socket, A						Laying Lengths		Tolerances, +		End Wall Thickness, Kmin.			
			Class Designation			Class Designation						Class Designation				90 (leg Elbows, Tees, and Crosses)			45 (leg Elbows)			Couplings, E	Half Couplings, F	A	E	F	Class Designation		
			3000	6000	9000	3000		6000		9000		3000	6000	9000		Class Designation													
						Avg.	Min.	Avg.	Min.	Avg.	Min.	Min.	Min.	Min.		3000	6000	9000	3000	6000	9000	3000	6000	9000					
6		11.2 10.8	7.6 6.1	4.8 3.2		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	1/4	14.6 14.2	10.0 8.5	7.1 5.6		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	3/8	18.0 17.6	13.3 11.8	9.9 8.4		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	1/2	22.2 21.8	16.6 15.0	12.5 11.0	7.2 5.6	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	3/4	27.6 27.2	21.7 20.2	16.3 14.8	11.8 10.3	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	1	34.3 33.9	27.4 25.9	21.5 19.9	16.0 14.4	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	1 1/4	43.1 42.7	35.8 34.3	30.2 28.7	23.5 22.0	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	1 1/2	49.2 48.8	41.6 40.1	34.7 33.2	28.7 27.2	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	2	61.7 61.2	53.3 51.7	43.6 42.1	38.9 37.4	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	2 1/2	74.4 73.9	64.2 61.2			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	3	90.3 89.8	79.4 76.4			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	4	115.7 115.2	103.8 100.7			10.69	9.35					8.56			16.0	66.5			41.0			19.0	48.0	2.5	5.0	2.5	22.4	28.4	