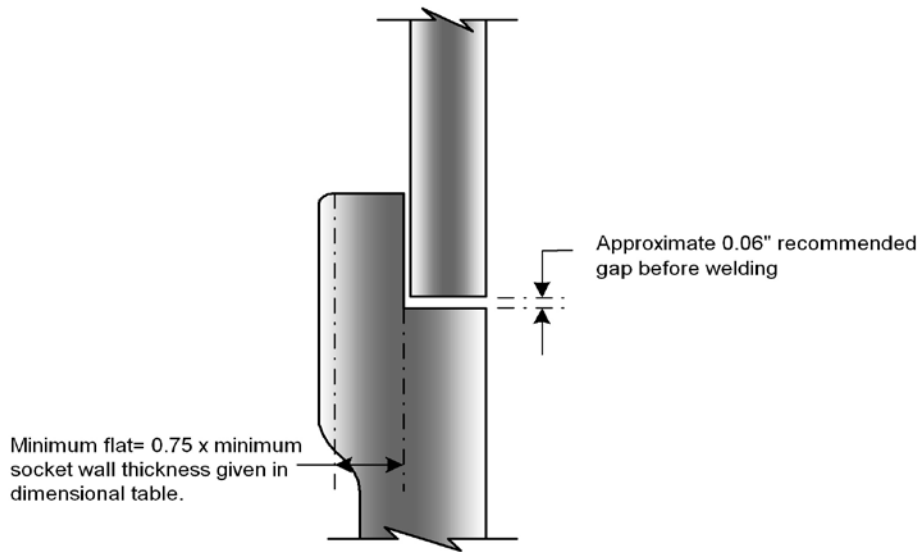
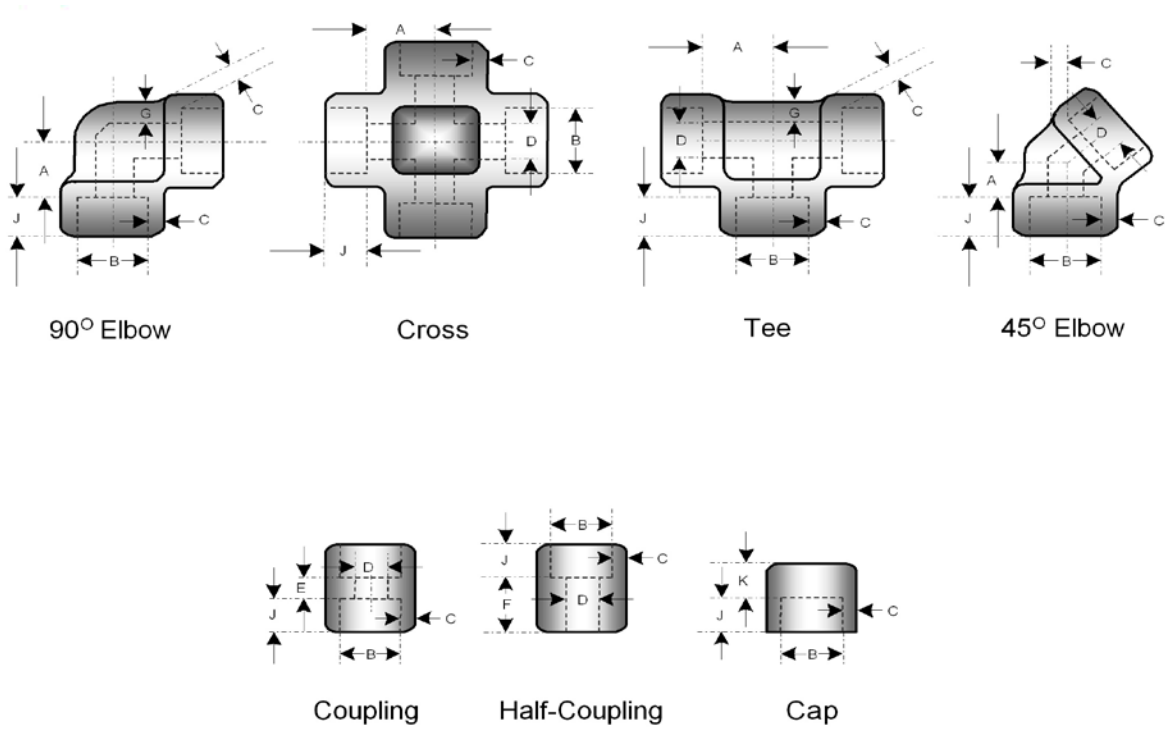


Dimensions of Forged Socket-Welding Fittings to ASME B16.11



Welding Gap and Minimum Flat Dimensions for Socket-Welding Fittings

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Piping Products Ltd.

Dimensions of Forged Socket-Welding Fittings to ASME B16.11

Nominal Pipe Size NPS	Diameter of Socket B ⁽¹⁾	Depth of Socket (min) J	Socket Wall Thickness- C ⁽²⁾						Body Wall Thickness- G			Diameter of Bore D ⁽¹⁾		
			3000		6000		9000		3000	6000	9000	3000	6000	9000
			Ave.	Min.	Ave.	Min.	Ave.	Min.	Min.	Min.	Min.	3000	6000	9000
1/8	0.440	0.38	0.125	0.125	0.156	0.135	...	...	0.095	0.124	...	0.299	0.189	...
	0.420											0.239	0.126	...
1/4	0.575	0.38	0.149	0.130	0.181	0.158	...	...	0.119	0.145	...	0.394	0.280	...
	0.555											0.334	0.220	...
3/8	0.710	0.38	0.158	0.138	0.198	0.172	...	...	0.126	0.158	...	0.523	0.389	...
	0.690											0.463	0.329	...
1/2	0.875	0.38	0.184	0.161	0.235	0.204	0.368	0.322	0.147	0.188	0.294	0.652	0.494	0.282
	0.855											0.592	0.434	0.222
3/4	1.085	0.50	0.193	0.168	0.274	0.238	0.385	0.337	0.154	0.219	0.308	0.854	0.642	0.464
	1.065											0.794	0.582	0.404
1	1.350	0.50	0.224	0.196	0.312	0.273	0.448	0.392	0.179	0.250	0.358	1.079	0.845	0.629
	1.330											1.019	0.785	0.569
1 1/4	1.695	0.50	0.239	0.208	0.312	0.273	0.478	0.418	0.191	0.250	0.382	1.410	1.190	0.926
	1.675											1.350	1.130	0.866
1 1/2	1.935	0.50	0.250	0.218	0.351	0.307	0.500	0.438	0.200	0.281	0.400	1.640	1.368	1.130
	1.915											1.580	1.308	1.070
2	2.426	0.62	0.273	0.238	0.430	0.374	0.545	0.477	0.218	0.344	0.436	2.097	1.717	1.533
	2.406											2.037	1.657	1.473
2 1/2	2.931	0.62	0.345	0.302	...	...	...	...	0.276	...	...	2.529	...	...
	2.906											2.409	...	...
3	3.560	0.62	0.375	0.327	...	...	...	...	0.300	...	...	3.128	...	...
	3.535											3.008	...	...
4	4.570	0.75	0.421	0.368	...	...	...	...	0.337	...	...	4.086	...	...
	4.545											3.966	...	...

Nominal Pipe Size NPS	Centre-to-Bottom of Socket A						Laying Lengths E, F		End Wall Thickness Caps (min) K			Tolerances +/-		
	90 Deg Elbows, Tees, and Crosses			45 Deg Elbows			Couplings E	Half Couplings F	3000	6000	9000	A	E	F
	3000	6000	9000	3000	6000	9000								
1/8	0.44	0.44	...	0.31	0.31	...	0.25	0.62	0.19	0.25	...	0.03	0.06	0.03
1/4	0.44	0.53	...	0.31	0.31	...	0.25	0.62	0.19	0.25	...	0.03	0.06	0.03
3/8	0.53	0.62	...	0.31	0.44	...	0.25	0.69	0.19	0.25	...	0.06	0.12	0.06
1/2	0.62	0.75	1.00	0.44	0.50	0.62	0.38	0.88	0.25	0.31	0.44	0.06	0.12	0.06
3/4	0.75	0.88	1.12	0.50	0.56	0.75	0.38	0.94	0.25	0.31	0.50	0.06	0.12	0.06
1	0.88	1.06	1.25	0.56	0.69	0.81	0.50	1.12	0.38	0.44	0.56	0.08	0.16	0.08
1 1/4	1.06	1.25	1.38	0.69	0.81	0.88	0.50	1.19	0.38	0.44	0.56	0.08	0.16	0.08
1 1/2	1.25	1.50	1.50	0.81	1.00	1.00	0.50	1.25	0.44	0.50	0.62	0.08	0.16	0.08
2	1.50	1.62	2.12	1.00	1.12	1.12	0.75	1.62	0.50	0.62	0.75	0.08	0.16	0.08
2 1/2	1.62	...	...	1.12	...	...	0.75	1.69	0.62	0.75	...	0.10	0.20	0.10
3	2.25	...	...	1.25	...	...	0.75	1.75	0.75	0.88	...	0.10	0.20	0.10
4	1.62	...	...	1.62	...	...	0.75	1.88	0.88	1.12	...	0.10	0.20	0.10

All dimensions are given in inches.

Notes:

- (1) Upper and lower values for each size are the respective maximum and minimum dimensions.
- (2) Average of Socket Wall Thickness around periphery shall be no less than the listed values. The minimum values are permitted in localized areas.

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