

Specification of Socket Weld Elbow (SW Elbow) Dimension

Standard: ASME B16.11

Sizes: ½ " to 4 " NB

Pressure Ratings: Class 3000, 6000, 9000

Connection Type: Socket Weld (pipe inserted into socket and welded)

Angles: 45° , 90°

Materials Grades

Carbon Steel: ASTM A105, A350 LF2

Alloy Steel: ASTM A182 F5, F9, F11, F22, F91

Stainless Steel: ASTM A182 F304/304L, F316/316L, F321

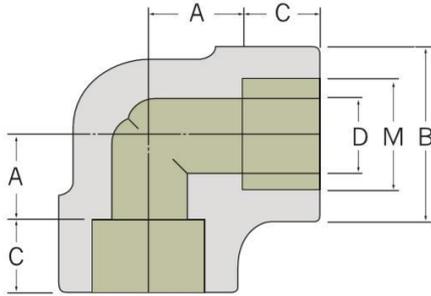
Duplex & Super Duplex: ASTM A182 F51, F53, F55

Nickel Alloys: Inconel 600, Inconel 625, Monel 400, Hastelloy C22, Alloy 20

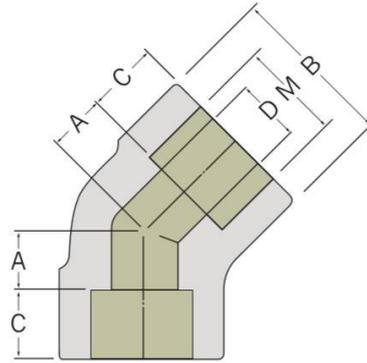


SOCKET WELDING FITTINGS

90° Elbow



45° Elbow



3000 LB

3000 LB

Size	M	B	D	A	C	Weight(Kg)	Size	M	B	D	A	C	Weight(Kg)
1/4	ASM B16.11 or JIS B2316	23.0	9.4	11.0	10	0.13	1/4	ASM B16.11 or JIS B2316	23.0	9.4	8.0	10	0.13
3/8		26.5	12.7	13.5	12	0.13	3/8		26.5	12.7	8.0	12	0.13
1/2		34.0	16.1	15.5	13	0.23	1/2		34.0	16.1	11.0	13	0.23
3/4		38.5	21.4	19.0	14	0.31	3/4		38.5	21.4	13.0	14	0.31
1		46.5	27.2	22.5	16	0.60	1		46.5	27.2	14.0	16	0.60
1.1/4		56.5	35.5	27.0	18	0.71	1.1/4		56.5	35.5	17.5	18	0.71
1.1/2		63.5	41.2	32.0	19	0.85	1.1/2		63.5	41.2	20.5	19	0.85
2		76.0	52.7	38.0	22	1.48	2		76.0	52.7	25.5	22	1.48
2.1/2		92.0	65.9	41.0	26	2.46	2.1/2		92.0	65.9	28.5	26	2.46
3		110	78.1	57.0	29	4.65	3		110	78.1	32.0	29	4.65
4	146	102	66.5	33	9.43	4	146	102	41.0	33	9.43		

6000 LB

6000 LB

Size	M	B	D	A	C	Weight(Kg)	Size	M	B	D	A	C	Weight(Kg)
1/2	ASM B16.11 or JIS B2316	38.5	12.3	19.0	14	0.43	1/2	ASM B16.11 or JIS B2316	38.5	12.3	12.5	14	0.43
3/4		46.5	16.2	22.5	16	0.65	3/4		46.5	16.2	14.0	16	0.65
1		56.5	21.2	27.0	18	1.02	1		56.5	21.2	17.5	18	1.02
1.1/4		63.5	30.0	32.0	19	1.45	1.1/4		63.5	30.0	20.5	19	1.45
1.1/2		76.0	34.4	38.0	22	2.38	1.1/2		76.0	34.4	25.5	22	2.38
2		84.0	43.0	41.0	26	3.76	2		84.0	43.0	28.5	26	3.76
2.1/2		110	57.3	57.0	29	6.12	2.1/2		110	57.3	32.0	29	6.12
3		121	66.9	66.5	33	8.77	3		121	66.9	41.0	33	8.77
4		152	87.3	70.0	45	14.30	4		152	87.3	54.0	45	14.30

9000 LB

9000 LB

Size	M	B	D	A	C	Weight(Kg)	Size	M	B	D	A	C	Weight(Kg)
1/2	ASM B16.11 or JIS B2316	46.5	6.7	25.5	16	0.51	1/2	ASM B16.11 or JIS B2316	46.5	6.7	15.5	16	0.51
3/4		56.5	11.6	28.5	18	0.78	3/4		56.5	11.6	19.0	18	0.78
1		63.5	15.8	32.0	19	1.23	1		63.5	15.8	20.5	19	1.23
1.1/4		76.0	23.3	35.0	22	1.81	1.1/4		76.0	23.3	22.5	22	1.81
1.1/2		84.0	28.2	38.0	26	2.98	1.1/2		84.0	28.2	25.5	26	2.98
2		110	38.3	54.0	29	4.70	2		110	38.3	28.5	29	4.70
2.1/2		121	48.3	66.0	33	10.52	2.1/2		121	48.3	32.0	33	10.52
3		146	58.7	70.0	36	13.10	3		146	58.7	41.0	36	13.10

Notes (1) For the 'Bore'(M) means standard pipe outside diameter. Dimensional See Table 1, ASME B16.11 or JIS B2316
 (2) Dimensions are in millimeters.