

WROUGHT STEEL BUTT-WELDING FITTING

• 90° Elbow(Long, Short)

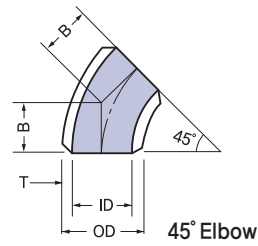
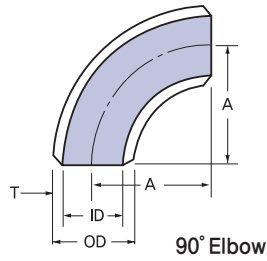
• 45° Elbow(Long)

STD, Sch40, X-S, Sch80, Sch160, XX-S

ASME B16.9, ASME B16.28

Unit : mm

Nominal Pipe Size	Outside Diameter O.D	Center-to-End			STD		Sch 40	
		Long		Short	T	I.D	T	I.D
		A	B	A				
1/2	0.840	1.50	0.62	-	0.109	0.622	0.109	0.622
3/4	1.050	1.50	0.75	-	0.113	0.824	0.113	0.824
1	1.315	1.50	0.88	1.00	0.133	1.049	0.133	1.049
1 1/4	1.660	1.88	1.00	1.25	0.140	1.380	0.140	1.380
1 1/2	1.900	2.25	1.12	1.50	0.145	1.610	0.145	1.610
2	2.375	3.00	1.38	2.00	0.154	2.067	0.154	2.067
2 1/2	2.875	3.75	1.75	2.50	0.203	2.469	0.203	2.469
3	3.500	4.50	2.00	3.00	0.216	3.068	0.216	3.068
3 1/2	4.000	5.25	2.25	3.50	0.226	3.548	0.226	3.548
4	4.500	6.00	2.50	4.00	0.237	4.026	0.237	4.026
5	5.563	7.50	3.12	5.00	0.258	5.047	0.258	5.047
6	6.625	9.00	3.75	6.00	0.280	6.065	0.280	6.065
8	8.625	12.00	5.00	8.00	0.322	7.981	0.322	7.981
10	10.750	15.00	6.25	10.00	0.365	10.020	0.365	10.020
12	12.750	18.00	7.50	12.00	0.375	12.000	0.406	11.938
14	14.000	21.00	8.75	14.00	0.375	13.250	0.438	13.124
16	16.000	24.00	10.00	16.00	0.375	15.250	0.500	15.000
18	18.000	27.00	11.25	18.00	0.375	17.250	0.562	16.876
20	20.000	30.00	12.50	20.00	0.375	19.250	0.594	18.812
22	22.000	33.00	13.50	22.00	0.375	21.250	0.594	20.812
24	24.000	36.00	15.00	24.00	0.375	23.250	0.688	22.624
26	26.000	39.00	16.00	26.00	0.375	25.250	0.688	24.624
28	28.000	42.00	17.25	28.00	0.375	27.250	0.688	26.624
30	30.000	45.00	18.50	30.00	0.375	29.250	0.688	28.624
32	32.000	48.00	19.75	32.00	0.375	31.250	0.688	30.624
34	34.000	51.00	21.00	34.00	0.375	33.250	0.688	32.624
36	36.000	54.00	22.25	36.00	0.375	35.250	0.688	34.500
38	38.000	57.00	23.62	38.00	0.375	37.250	-	-
40	40.000	60.00	24.88	40.00	0.375	39.250	-	-
42	42.000	63.00	26.00	42.00	0.375	41.250	-	-
44	44.000	66.00	27.38	44.00	0.375	43.250	-	-
46	46.000	69.00	28.62	46.00	0.375	45.250	-	-
48	48.000	72.00	29.88	48.00	0.375	47.250	-	-
50	50.000	75.00	31.06	50.00	0.375	49.250	-	-
52	52.000	78.00	32.30	52.00	0.375	51.250	-	-
54	54.000	81.00	33.55	54.00	0.375	53.250	-	-
56	56.000	84.00	34.79	56.00	0.375	55.250	-	-
58	58.000	87.00	36.04	58.00	0.375	57.250	-	-
60	60.000	90.00	37.28	60.00	0.375	59.250	-	-



Unit : inch

X-S		Sch80		Sch160		XX-S		Nominal Pipe Size
T	I.D	T	I.D	T	I.D	T	I.D	
0.147	0.546	0.147	0.546	0.188	0.464	0.294	0.252	1/2
0.154	0.742	0.154	0.742	0.218	0.612	0.308	0.434	3/4
0.179	0.957	0.179	0.957	0.250	0.815	0.358	0.599	1
0.191	1.278	0.191	1.278	0.250	1.160	0.382	0.896	1 1/4
0.200	1.500	0.200	1.500	0.281	1.338	0.400	1.100	1 1/2
0.218	1.939	0.218	1.939	0.344	1.687	0.436	1.503	2
0.276	2.323	0.276	2.323	0.375	2.125	0.552	1.771	2 1/2
0.300	2.900	0.300	2.900	0.438	2.624	0.600	2.300	3
0.318	3.364	0.318	3.364	-	-	-	-	3 1/2
0.337	3.826	0.337	3.826	0.531	3.348	0.674	3.152	4
0.375	4.813	0.375	4.813	0.625	4.313	0.750	4.063	5
0.432	5.761	0.432	5.761	0.719	5.187	0.864	4.897	6
0.500	7.625	0.500	7.625	0.906	6.813	0.875	6.875	8
0.500	9.750	0.594	9.562	1.125	8.500	1.000	8.750	10
0.500	11.750	0.688	11.374	1.312	10.126	1.000	10.750	12
0.500	13.000	0.750	12.500	1.406	11.188	-	-	14
0.500	15.000	0.844	14.312	1.594	12.812	-	-	16
0.500	17.000	0.938	16.124	1.781	14.438	-	-	18
0.500	19.000	1.031	17.938	1.968	16.062	-	-	20
0.500	21.000	1.125	19.750	2.125	17.750	-	-	22
0.500	23.000	1.219	21.562	2.344	19.312	-	-	24
0.500	25.000	-	-	-	-	-	-	26
0.500	27.000	-	-	-	-	-	-	28
0.500	29.000	-	-	-	-	-	-	30
0.500	31.000	-	-	-	-	-	-	32
0.500	33.000	-	-	-	-	-	-	34
0.500	35.000	-	-	-	-	-	-	36
0.500	37.000	-	-	-	-	-	-	38
0.500	39.000	-	-	-	-	-	-	40
0.500	41.000	-	-	-	-	-	-	42
0.500	43.000	-	-	-	-	-	-	44
0.500	45.000	-	-	-	-	-	-	46
0.500	47.000	-	-	-	-	-	-	48
0.500	49.000	-	-	-	-	-	-	50
0.500	51.000	-	-	-	-	-	-	52
0.500	53.000	-	-	-	-	-	-	54
0.500	55.000	-	-	-	-	-	-	56
0.500	57.000	-	-	-	-	-	-	58
0.500	59.000	-	-	-	-	-	-	60