

# WROUGHT STEEL BUTT-WELDING FITTING

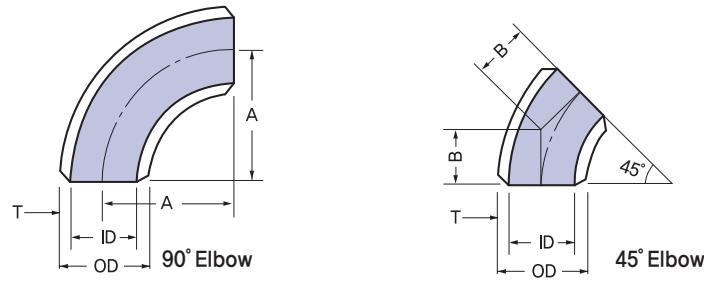
- **90° Elbow (Long, Short)**

- **45° Elbow (Long)**

Sch20, Sch30, Sch60, Sch100  
Sch120, Sch140

ASME B16.9, ASME B16.28

Nominal Pipe Size	Outside Diameter O.D	Center-to-End			Sch 20		Sch 40	
		Long		Short	T	I.D	T	I.D
		A	B	A				
4	4.500	6.00	2.50	4.00	-	-	-	-
5	5.563	7.50	3.12	5.00	-	-	-	-
6	6.625	9.00	3.75	6.00	-	-	-	-
8	8.625	12.00	5.00	8.00	0.250	8.125	0.277	8.071
10	10.750	15.00	6.25	10.00	0.250	10.250	0.307	10.136
12	12.750	18.00	7.50	12.00	0.250	12.250	0.330	12.090
14	14.000	21.00	8.75	14.00	0.312	13.376	0.375	13.250
16	16.000	24.00	10.00	16.00	0.312	15.376	0.375	15.250
18	18.000	27.00	11.25	18.00	0.312	17.376	0.438	17.124
20	20.000	30.00	12.50	20.00	0.375	19.250	0.500	19.000
22	22.000	33.00	13.50	22.00	0.375	21.250	0.500	21.000
24	24.000	36.00	15.00	24.00	0.375	23.250	0.562	22.876
26	26.000	39.00	16.00	26.00	0.500	25.000	-	-
28	28.000	42.00	17.25	28.00	0.500	27.000	0.625	26.750
30	30.000	45.00	18.50	30.00	0.500	29.000	0.625	28.750
32	32.000	48.00	19.75	32.00	0.500	31.000	0.625	30.750
34	34.000	51.00	21.00	34.00	0.500	33.000	0.625	32.750
36	36.000	54.00	22.25	36.00	0.500	35.000	0.625	34.750



Unit : inch

Sch60		Sch100		Sch120		Sch140		Nominal Pipe Size
T	I.D	T	I.D	T	I.D	T	I.D	
-	-	-	-	0.438	3.624	-	-	4
-	-	-	-	0.500	4.563	-	-	5
-	-	-	-	0.562	5.501	-	-	6
0.406	7.813	0.594	7.437	0.719	7.187	0.812	7.001	8
0.500	9.750	0.719	9.312	0.844	9.062	1.000	8.750	10
0.562	11.626	0.844	11.062	1.000	10.750	1.125	10.500	12
0.594	12.812	0.936	12.128	1.094	11.812	1.250	11.500	14
0.656	14.688	1.031	13.938	1.219	13.562	1.438	13.124	16
0.750	16.500	1.156	15.688	1.375	15.250	1.562	14.876	18
0.812	18.376	1.281	17.438	1.500	17.000	1.750	16.500	20
0.875	20.250	1.375	19.250	1.625	18.750	1.875	18.250	22
0.696	22.062	1.531	20.938	1.812	20.376	2.062	19.876	24
-	-	-	-	-	-	-	-	26
-	-	-	-	-	-	-	-	28
-	-	-	-	-	-	-	-	30
-	-	-	-	-	-	-	-	32
-	-	-	-	-	-	-	-	34
-	-	-	-	-	-	-	-	36