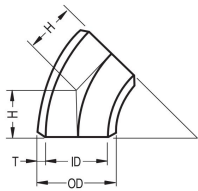
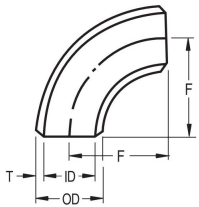


# JIS/KS BUTT-WELDING CARBON STEEL FITTINGS

Elbow 90° (long,short)

Elbow 45° (long)

unit:mm



Nominal Pipe Size	Outside Diameter O.D	Center to End			SCH40	SCH80	SCH120	SCH160
		Long		Short	T	T	T	T
		F(90°)	H(45°)	F(90°)				
15	21.7	38.1	15.8	-	2.8	3.7	-	4.7
20	27.2	38.1	15.8	-	2.9	3.9	-	5.5
25	34.0	38.1	15.8	25.4	3.4	4.5	-	6.4
32	42.7	47.6	19.7	31.8	3.6	4.9	-	6.4
40	48.6	57.2	23.7	38.1	3.7	5.1	-	7.1
50	60.5	76.2	31.6	50.8	3.9	5.5	-	8.7
65	76.3	95.3	39.5	63.5	5.2	7.0	-	9.5
80	89.1	114.3	47.3	76.2	5.5	7.6	-	11.1
90	101.6	133.4	55.3	88.9	5.7	8.1	-	12.7
100	114.3	152.4	63.1	101.6	6.0	8.6	11.1	13.5
125	139.8	190.0	78.9	127.0	6.6	9.5	12.7	15.9
150	165.2	228.6	94.7	152.4	7.1	11.0	14.3	18.2
200	216.3	304.8	126.3	203.2	8.2	12.7	18.2	23.0
250	267.4	381.0	157.8	254.0	9.3	15.1	21.4	28.6
300	318.5	457.2	189.4	304.8	10.3	17.4	25.4	33.3
350	355.6	533.4	220.9	355.6	11.1	19.0	27.8	35.7
400	406.4	609.6	252.5	406.4	12.7	21.4	30.9	40.5
450	457.2	685.8	284.1	457.2	14.3	23.8	34.9	45.2
500	508.0	762.0	315.6	508.0	15.1	26.2	38.1	50.0