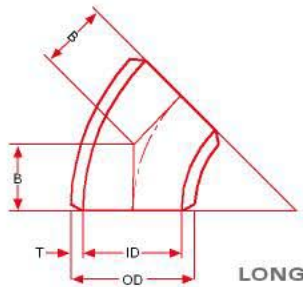


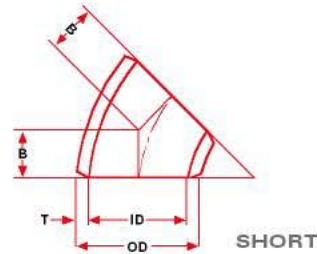
## STEEL BUTT-WELDING PIPE FITTINGS

### 45° ELBOWS

### SGP, SCH 40, SCH 80, SCH 120, SCH 160



LONG



SHORT

#### DIMENSIONS

Unit: mm

Nominal Pipe Size	Outside Diameter OD	SPP (SGP)		Sch40		Sch80		Sch120		Sch160		A	
		Inside Diameter ID	Wall Thickness T	Inside Diameter ID	Wall Thickness T	Inside Diameter ID	Wall Thickness T	Inside Diameter ID	Wall Thickness T	Inside Diameter ID	Wall Thickness T	Long	Short
½	21.7	16.1	2.8	16.1	2.8	14.3	3.7	-	-	-	-	15.8	-
¾	27.2	21.6	2.8	21.4	2.9	19.4	3.9	-	-	-	-	15.8	-
1	34.0	27.6	3.2	27.2	3.4	25.0	4.5	-	-	21.2	6.4	15.8	-
1¼	42.7	35.7	3.5	35.5	3.6	32.9	4.9	-	-	29.9	6.4	19.7	13.2
1½	48.6	41.6	3.5	41.2	3.7	38.4	5.1	-	-	34.4	7.1	23.7	15.8
2	60.5	52.9	3.8	52.7	3.9	49.5	5.5	-	-	43.1	8.7	31.6	21.0
2½	76.3	67.9	4.2	65.9	5.2	62.3	7.0	-	-	57.3	9.5	39.5	26.3
3	89.1	80.7	4.2	78.1	5.5	73.9	7.6	-	-	66.9	11.1	47.3	31.6
4	114.3	105.3	4.5	102.3	6.0	97.1	8.6	92.1	11.1	87.3	13.5	63.1	42.1
5	139.8	130.8	4.5	126.6	6.6	120.8	9.5	114.4	12.7	108.0	15.9	78.9	52.6
6	165.2	155.2	5.0	151.0	7.1	143.2	11.0	136.6	14.3	128.8	18.2	94.7	63.1
8	216.3	204.7	5.8	199.9	8.2	190.9	12.7	179.9	18.2	170.3	23.0	126.2	84.2
10	267.4	254.2	6.6	248.8	9.3	237.2	15.1	224.6	21.4	210.2	28.6	157.8	105.2
12	318.5	304.7	6.9	297.9	10.3	283.7	17.4	267.7	25.4	251.9	33.3	189.4	126.2
14	355.6	339.8	7.9	333.4	11.1	317.6	19.0	300.0	27.8	284.2	35.7	220.9	147.3
16	406.4	390.6	7.9	381.0	12.7	363.6	21.4	344.6	30.9	325.4	40.5	252.5	168.3
18	457.2	441.4	7.9	428.6	14.3	409.6	23.8	-	-	-	-	284.1	189.4
20	508.0	492.2	7.9	477.8	15.1	455.6	26.2	-	-	-	-	315.6	210.4

#### DIMENSIONS

Unit: mm

Nominal Pipe Size	Approx. Weight (kg)									
	Long					Short				
	SPP (SGP)	Sch40	Sch80	Sch120	Sch160	SPP (SGP)	Sch40	Sch80	Sch120	Sch160
½	0.039	0.039	0.049	-	-	-	-	-	-	-
¾	0.050	0.052	0.067	-	-	-	-	-	-	-
1	0.073	0.077	0.098	-	-	-	0.051	-	-	-
1¼	0.126	0.130	0.170	-	0.214	0.084	0.087	-	-	-
1½	0.175	0.184	0.246	-	0.327	0.117	0.123	-	-	-
2	0.317	0.326	0.445	-	0.665	0.211	0.217	-	-	-
2½	0.550	0.683	0.895	-	1.17	0.372	0.455	0.596	-	0.78
3	0.790	1.02	1.37	-	1.92	0.527	0.678	0.913	-	1.28
4	1.461	1.92	2.68	3.38	4.01	0.972	1.28	1.79	2.25	2.68
5	2.25	3.24	4.57	5.95	7.27	1.50	2.16	3.04	3.97	4.84
6	3.54	4.97	7.50	9.55	11.8	2.36	3.31	5.00	6.37	7.89
8	7.20	10.1	16.3	21.3	26.2	4.80	6.71	10.2	14.2	17.5
10	12.7	17.7	28.1	38.8	50.4	8.46	11.8	18.7	25.9	33.6
12	19.0	28.1	46.4	65.9	84.0	12.7	18.7	30.9	43.9	56.0
14	28.4	39.5	66.0	94.1	118.0	18.9	26.3	44.0	-	78.6
16	37.1	59.0	97.2	137.0	175.0	-	39.2	64.5	-	116.0
18	47.1	84.1	137.0	196.0	247.0	-	56.0	-	-	-
20	58.3	110.0	186.0	264.0	338.0	-	73.2	-	-	-

• Dimensions Conform to KS B 1522 (JIS B 2311), KS B 1541 (JIS B 2312) Specifications