

# WROUGHT GROOVED FITTINGS

MODEL

**W110** 90° ELBOW, S/R

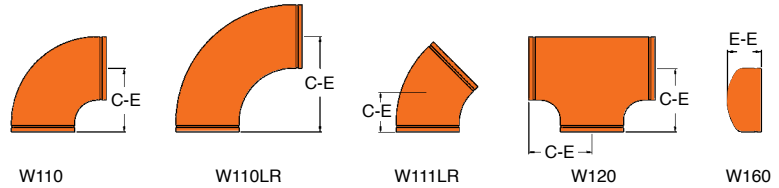
**W110LR** 90° ELBOW, L/R

**W111LR** 45° ELBOW

**W120** TEE

**W160** CAP

Shurjoint wrought steel grooved fittings are fabricated from standard weight (0.375" or 9.5mm) carbon steel pipe to ASTM A234 Gr. WPB, or segmentally welded with carbon steel of the same or equivalent grade. C-E dimensions conform to ANSI B16.9.



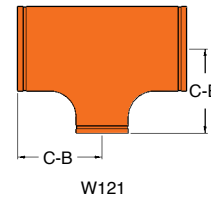
Nominal Size mm / in	Pipe O.D. mm / in	W110 90° S/R Elbows		W110LR 90° L/R Elbows		W111LR 45° L/R Elbows		W120 Tee		W160 Cap	
		C-E mm / in	Weight Kgs / Lbs	C-E mm / in	Weight Kgs / Lbs	C-E mm / in	Weight Kgs / Lbs	C-E mm / in	Weight Kgs / Lbs	E-E mm / in	Weight Kgs / Lbs
350	355.6	355.6	45.3	533.4	67.9	222.3	34.0	279.4	53.5	165.0	15.9
14	14.000	14.00	99.7	21.00	149.4	8.75	74.8	11.00	117.7	6.50	35.0
400	406.4	406.4	59.1	609.6	89.0	254.0	44.6	304.8	66.1	178.0	20.0
16	16.000	16.00	130.0	24.00	195.8	10.00	98.1	12.00	145.4	7.00	44.0
450	457.2	457.2	75.3	685.8	113.0	285.5	56.5	342.9	83.9	203.0	25.5
18	18.000	18.00	165.7	27.00	248.6	11.25	124.3	13.50	184.6	8.00	56.1
500	508.0	508.0	93.1	762.0	140.0	317.5	70.0	381.0	104.0	229.0	31.8
20	20.000	20.00	204.8	30.00	308.0	12.50	154.0	15.00	228.8	9.00	70.0
550	558.8	558.8	113.0	838.2	169.0	342.9	85.0	419.1	126.0	254.0	38.8
22	22.000	22.00	248.6	33.00	371.8	13.50	187.0	16.50	277.2	10.00	85.4
600	609.6	609.6	135.0	914.4	202.0	381.0	101.0	431.8	139.0	267.0	45.1
24	24.000	24.00	297.0	36.00	444.4	15.00	222.2	17.00	305.8	10.50	99.2

MODEL

**W121** REDUCING TEE

Material: ASTM A234 Gr. WPB, standard weight (0.375" or 9.5mm), or carbon steel of the same or equivalent grade.

C-E & C-B dimensions conform to ANSI B16.9



Nominal Size mm / in	Pipe O. D. mm / in	W121 Reducing Tee			Nominal Size mm / in	Pipe O. D. mm / in	W121 Reducing Tee		
		C - E mm / in	C - B mm / in	Weight Kgs / Lbs			C - E mm / in	C - B mm / in	Weight Kgs / Lbs
350 x 150	355.6 x 168.3	279.0	238.0	46.0	500 x 150	508.0 x 168.3	381.0	314.0	89.5
14 x 6	14.000 x 6.625	11.0	9.37	101.20	20 x 6	20.000 x 6.625	15.0	12.36	196.90
350 x 200	355.6 x 219.1	279.0	248.0	46.5	500 x 200	508.0 x 219.1	381.0	324.0	90.0
14 x 8	14.000 x 8.625	11.0	9.76	102.30	20 x 8	20.000 x 8.625	15.0	12.76	198.0
350 x 250	355.6 x 273.0	279.0	257.0	47.7	500 x 250	508.0 x 273.0	381.0	333.0	90.9
14 x 10	14.000 x 10.750	11.0	10.12	104.94	20 x 10	18.000 x 10.750	18.0	13.11	199.98
350 x 300	355.6 x 323.9	279.0	270.0	44.0	500 x 300	508.0 x 323.9	381.0	346.0	92.0
14 x 12	14.000 x 12.750	11.0	10.63	96.8	20 x 12	20.000 x 12.750	15.0	13.62	202.40
400 x 150	406.4 x 168.3	30.50	264.0	57.2	500 x 350	508.0 x 355.6	381.0	356.0	92.9
16 x 6	16.000 x 6.625	12.0	10.40	125.84	20 x 14	20.000 x 14.000	15.0	14.02	204.38
400 x 200	406.4 x 219.1	305.0	273.0	57.8	500 x 400	508.0 x 406.4	381.0	356.0	93.6
16 x 8	16.000 x 8.625	12.0	10.75	127.16	20 x 16	20.000 x 16.000	15.0	14.02	204.60
400 x 250	406.4 x 273.0	305.0	282.0	58.9	500 x 450	508.0 x 457.2	381.0	368.0	94.5
16 x 10	16.000 x 10.750	12.0	11.10	129.58	20 x 18	20.000 x 18.000	15.0	14.50	207.90
400 x 300	406.4 x 323.9	305.0	295.0	60.1	600 x 150	609.6 x 168.3	432.0	365.0	122.0
16 x 12	16.000 x 12.750	12.0	11.61	132.22	24 x 6	20.000 x 6.625	17.0	14.38	268.40
400 x 350	406.4 x 355.6	305.0	305.0	61.1	600 x 200	609.6 x 219.1	432.0	375.0	123.0
16 x 14	16.000 x 14.000	12.0	12.00	134.42	24 x 8	20.000 x 8.625	17.0	14.76	270.6
450 x 150	457.2 x 168.3	343.0	289.0	72.6	600 x 250	609.6 x 273.0	432.0	384.0	123.2
18 x 6	18.000 x 6.625	13.5	11.38	159.72	24 x 10	24.000 x 10.750	17.0	15.12	271.04
450 x 200	457.2 x 219.1	343.0	298.0	73.0	600 x 300	609.6 x 323.9	432.0	397.0	124.2
18 x 8	18.000 x 8.625	13.5	11.38	160.60	24 x 12	24.000 x 12.750	17.0	15.63	273.24
450 x 250	457.2 x 273.0	343.0	308.0	74.0	600 x 350	609.6 x 355.6	432.0	406.0	125.0
18 x 10	18.000 x 10.750	13.5	12.13	162.80	24 x 14	24.000x14.000	17.0	16.00	275.0
450 x 300	457.2 x 323.9	343.0	321.0	75.1	600 x 400	609.6 x 406.4	432.0	406.0	125.0
18 x 12	18.000 x 12.750	13.5	12.64	165.22	24 x 16	24.000 x 16.000	17.0	16.00	275.0
450 x 350	457.2 x 355.6	343.0	330.0	76.0	600 x 450	609.6 x 457.2	432.0	419.0	127.1
18 x 14	18.000 x 14.000	13.5	13.00	167.20	24 x 18	24.000x18.000	17.0	16.50	279.62
450 x 400	457.2 x 406.4	343.0	330.0	76.3	600 x 500	609.6 x 508.0	432.0	432.0	128.0
18 x 16	18.000 x 16.000	13.5	13.00	167.86	24 x 20	24.000 x 20.000	17.0	17.00	281.60