

## WROUGHT 3D ELBOWS

### MODELS

**L90-3D 90°**

**L60-3D 60°**

**L45-3D 45°**

**L30-3D 30°**

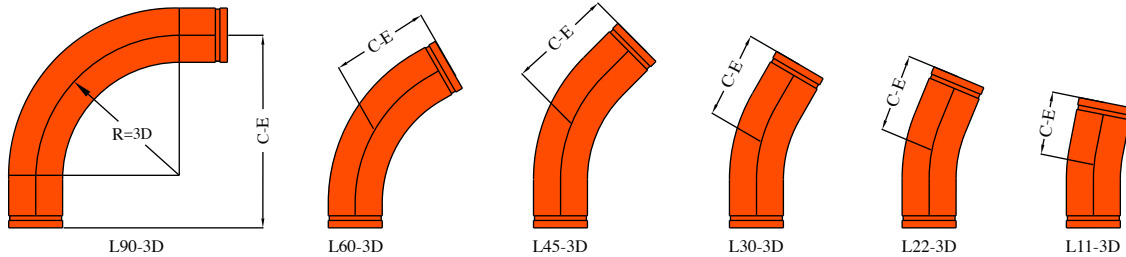
**L22-3D 22½°**

**L11-3D 11¼°**

1. Long radius 90° elbows 3D, 5D, and 6D in sizes up to and including 4" are provided with 4" (102 mm) long tangents, sizes 5" to 10" are provided with 1D long tangents and sizes 12" to 24" are provided with 12" (305mm) long tangents.
2. End Preparation: Roll-grooved to AWWA

3. Material: Standard wall steel pipe to ASTM A53, Grade B. (Other materials available C606-04 and or ISO/FDIS 6182-12. For dimensional tolerances of cast fittings, refer to ISO/FDIS 6182-12 Table 3..
  - Plain-end or beveled end is also available upon request.

4. C to E tolerances: 2" through 6" ±1/8" (3.2mm); 8" through 16" ±1/4" (6.4mm); 18" through 24" ±3/8" (9.5mm).
5. All weights are approximate, based on calculated weight of pipe.



Nominal Size mm / in	Pipe OD mm / in	L90-3D 90° Elbow		L60-3D 60° Elbow		L45-3D 45° Elbow		L30-3D 30° Elbow		L22-3D 22½° Elbow		L11-3D 11¼° Elbow	
		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	C - E mm / in	Weight Kgs / Lbs	C - E mm / in	Weight Kgs / Lbs
50	60.3	254	2.5	191	2.0	165	1.7	146	1.5	133	1.5	114	1.3
2	2.375	10.0	5.51	7.50	4.3	6.50	3.75	5.75	3.4	5.25	3.2	4.50	2.8
65	73.0	292	4.5	210	3.5	184	3.0	152	2.6	140	2.4	121	2.1
2½	2.875	11.5	9.92	8.25	7.7	7.25	6.7	6.00	5.8	5.50	5.3	4.75	4.6
80	88.9	330	6.63	235	5.0	197	4.6	165	3.6	146	3.3	127	2.8
3	3.500	13.0	14.62	9.25	11.0	7.75	10.14	6.50	8.0	5.75	7.3	5.00	6.2
101.6mm	101.6	368	8.4	254	6.5	216	5.6	171	4.6	152	4.2	127	3.4
	4.000	14.5	18.6	10.00	14.4	8.50	12.0	6.75	10.2	6.00	9.2	5.00	7.6
100	114.3	406	10.18	279	8.4	229	6.69	184	5.8	165	5.2	133	4.2
4	4.500	16.0	22.44	11.00	18.5	9.00	14.75	7.25	12.8	6.50	11.4	5.25	9.3
125	141.3	508	18.39	349	14.2	286	12.18	229	9.9	203	8.8	165	7.2
5	5.563	20.0	40.54	13.75	31.3	11.25	26.85	9.00	21.8	8.00	19.4	6.50	15.8
150	168.3	610	27.52	419	22.1	343	18	273	15.4	241	13.7	197	11.2
6	6.625	24.0	60.67	16.50	48.8	13.50	39.68	10.75	3.9	9.50	30.1	7.75	24.6
200	219.1	813	60	559	44.4	457	39	368	30.8	324	27.4	267	22.4
8	8.625	32.0	132.28	22.00	97.9	18.00	85.98	14.50	68.0	12.75	60.5	10.50	49.3
250	273.1	1016	96	692	78.7	572	62	457	54.7	406	48.6	330	39.6
10	10.750	40.0	211.64	27.25	173.4	22.50	136.69	18.00	120.5	16.00	107.2	13.00	87.3
300	323.9	1219	145	832	115.6	686	93	552	80.3	489	71.4	394	58.2
12	12.750	48.0	319.67	32.75	254.8	27.00	205.03	21.75	177.0	19.25	157.5	15.50	128.3
350	355.6	1372	177	972	148.5	800	103.1	641	103.1	572	91.8	464	74.8
14	14.000	54.0	390.22	38.25	327.3	31.50	227.3	25.25	227.3	22.50	202.3	18.25	164.8
400	406.4	1524	248	1111	194.6	914	159	737	135.1	648	120.3	527	98.0
16	16.000	60.0	546.75	43.75	429.0	36.00	350.54	29.00	297.9	25.25	265.2	20.75	216.0
450	457.2	1676	290.6	1251	246.9	1029	209.2	826	171.5	730	152.6	593	124.3
18	18.000	66.0	639.2	49.25	544.4	40.25	461.3	32.50	378.1	28.75	336.5	23.35	274.1
500	508.0	1829	282	1391	305.5	1143	258	914	212.2	813	188.8	660	153.9
20	20.000	72.0	621.7	54.75	673.5	45.00	568.79	36.00	467.8	32.00	416.3	26.00	339.2
600	609.6	2134	607	1664	441.3	1365	396	1099	306.5	972	272.8	787	222.3
24	24.000	84.0	1338.2	65.50	973.0	53.75	873.03	43.25	675.7	38.25	601.4	31.00	490.0



12" 3D 90° elbows ready for shipment