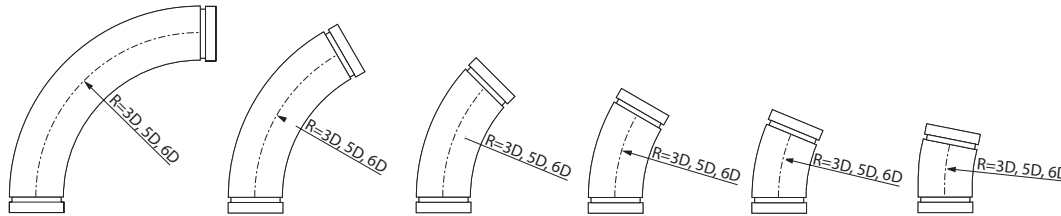


FITTINGS

Long Radius Elbows 3D



FITTINGS

Nominal Size Inches mm	Pipe OD Inches mm	310-3D 90° Elbow		306-3D 60° Elbow		301-3D 45° Elbow		303-3D 30° Elbow		312-3D 22½° Elbow		313-3D 11¼° Elbow	
		Center to End Inches mm	Approx Weight Lbs. Kg	Center to End Inches mm	Approx Weight Lbs. Kg	Center to End Inches mm	Approx Weight Lbs. Kg	Center to End Inches mm	Approx Weight Lbs. Kg	Center to End Inches mm	Approx Weight Lbs. Kg	Center to End Inches mm	Approx Weight Lbs. Kg
2	2.375	10	5.3	7½	4.3	6½	3.9	5¼	3.4	5¼	3.2	4½	2.8
50	60.3	254	2.4	191	2	165	1.8	146	1.5	133	1.5	114	1.3
2½	2.875	11½	9.5	8¼	7.7	7¼	6.7	6	5.8	5½	5.3	4¾	4.6
65	73.0	292	4.3	210	3.5	184	3	152	2.6	140	2.4	121	2.1
3	3.500	13	14	9¼	11	7¾	9.5	6½	8	5¾	7.3	5	6.2
80	88.9	330	6.4	235	5	197	4.3	165	3.6	146	3.3	127	2.8
3½	4.000	14½	18.6	10	14.4	8½	12.3	6¾	10.2	6	9.2	5	7.6
90	101.6	368	8.4	254	6.5	216	5.6	171	4.6	152	4.2	127	3.4
4	4.500	16	24.1	11	18.5	9	15.7	7¼	12.8	6½	11.4	5½	9.3
100	114.3	406	10.9	279	8.4	229	7.1	184	5.8	165	5.2	133	4.2
5	5.563	20	40.9	13¾	31.3	11¼	26.5	9	21.8	8	19.4	6½	15.8
125	141.3	508	18.6	349	14.2	286	12	229	9.9	203	8.8	165	7.2
6	6.625	24	63.7	16½	48.8	13½	41.3	10¾	33.9	9½	30.1	7¾	24.6
150	168.3	610	28.9	419	22.1	343	18.7	273	15.4	241	13.7	197	11.2
8	8.625	32	127.8	22	97.9	18	82.9	14½	68	12¾	60.5	10½	49.3
200	219.1	813	58	559	44.4	457	37.6	368	30.8	324	27.4	267	22.4
10	10.750	40	226.4	27¼	173.4	22½	146.9	18	120.5	16	107.2	13	87.3
250	273.1	1016	102.7	692	78.7	572	66.6	457	54.7	406	48.6	330	39.6
12	12.750	48	332.7	32¾	254.8	27	215.9	21¼	177	19¼	157.5	15½	128.3
300	323.9	1219	150.9	832	115.6	686	97.9	552	80.3	489	71.4	394	58.2
14	14.000	56	427.3	38¾	327.3	31½	227.3	25¼	227.3	22½	202.3	18¾	164.8
350	355.6	1422	193.8	972	148.5	800	103.1	641	103.1	572	91.8	464	74.8
16	16.000	64	560.1	43¾	429	36	363.5	29	297.9	25½	265.2	20¾	216
400	406.4	1626	254.1	1111	194.6	914	164.9	737	135.1	648	120.3	527	98
18	18.000	72	710.7	49¾	544.4	40½	461.3	32½	378.1	28¾	336.5	23.35	274.1
450	457.2	1829	322.4	1251	246.9	1029	209.2	826	171.5	730	152.6	593	124.3
20	20.000	80	879.3	54¾	673.5	45	540.7	36	467.8	32	416.3	26	339.2
500	508.0	2032	398.8	1391	305.5	1143	245.3	914	212.2	813	188.8	660	153.9
24	24.000	96	1270.3	65½	973	53¾	824.4	43¼	675.7	38¾	601.4	31	490
600	609.6	2438	576.2	1664	441.3	1365	373.9	1099	306.5	972	272.8	787	222.3

Notes: Long radius elbows 3D, 5D and 6D in sizes up to and including 4" are provided with 4" (101.6mm) long integral tangent. Remaining sizes provided with integral tangents with lengths equal to nominal pipe size.

Grooved or plain-end available – specify choice on order.

Material: standard wall steel pipe to ASTM A53, Grade B. (Other materials available on request).

Bends to conform to above radii.

C to E tolerances: 2" through 6" ± ½" (3.2 mm); 8" through 16" ± ¼" (6.4 mm); 18" through 24" ± ⅜" (9.5mm).

All weights are approximate, based on calculated weight of pipe.

Please refer to General Notes on page 17.