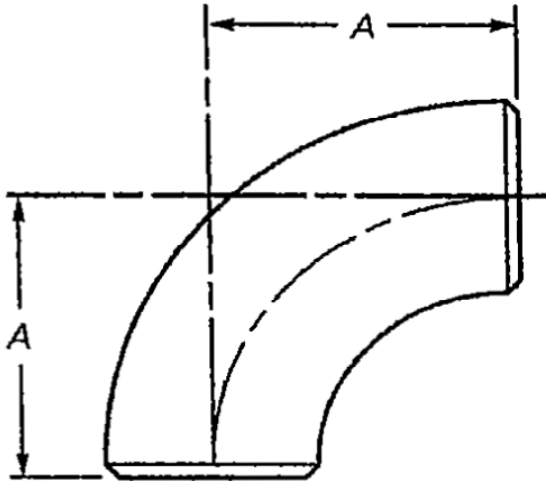
90° Long Radius Elbows



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Nominal pipe size in	outside diameter at Bevel mm	center to end mm	SCH 10		SCH 20		SCH 30		SCH XS		SCH XXS		SCH STD		SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
			wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg
	D	A	T		T		T		T		T		T		T		T		T		T		T		T		T	
1/2"	21.3	38							3.73	0.09	7.47	0.18	2.77	0.05	2.77	0.05			3.73	0.09							4.78	0.15
3/4"	26.7	38							3.91	0.09	7.82	0.18	2.87	0.07	2.87	0.07			3.91	0.09							5.56	0.15
1"	33.4	38							4.55	0.19	9.09	0.34	3.38	0.15	3.38	0.15			4.55	0.19							6.35	0.27
1.1/4"	42.2	48							5.08	0.48	10.15	0.9	3.68	0.38	3.68	0.38			5.08	0.48							6.35	0.68
1.1/2"	48.3	57							4.85	0.34	9.7	0.61	3.56	0.26	3.56	0.26			4.85	0.34							7.14	0.44
2"	60.3	76							5.54	0.91	11.07	1.68	3.91	0.68	3.91	0.68			5.54	0.91							8.74	1.4
2.1/2"	73	95							7.01	1.73	14.02	3.2	5.16	1.3	5.16	1.3			7.01	1.73							9.53	2.34
3"	88.9	114							7.62	2.78	15.24	5.17	5.49	2.08	5.49	2.08			7.62	2.78							11.13	4.02
3.1/2"	101.6	133							8.08	3.96			5.74	2.92	5.74	2.92			8.08	3.96								
4"	114.3	152							8.56	5.4	17.12	10.3	6.02	3.95	6.02	3.95			8.56	5.4			11.13	7.11			13.49	8.42
5"	141.3	190							9.53	9.34	19.05	18.1	6.55	6.67	6.55	6.67			9.53	9.34			12.7	12.65			15.88	15.42
6"	168.3	229							10.97	15.5	21.95	29.9	7.11	10.4	7.11	10.4			10.97	15.5			14.27	20.42			18.26	25.46
8"	219.1	305			6.35		7.04	18.5	12.7	31.3	22.23	54.4	8.18	20.9	8.18	20.9	10.31		12.7	31.3	15.09	38.19	18.65	45.46	20.62	50.74	23.01	55.93
10"	273	381			6.35		7.8	32.04	12.7	49.4	25.4	97.41	9.27	37	9.27	37	12.7		15.09	60.31	18.26	71.82	21.44	83.54	25.4	97.41	28.58	108.19
12"	323.8	457			6.35		8.38	49.12	12.7	71.2	25.4	140.57	9.53	54	10.31	60.07	14.27		17.48	99.36	21.44	120.27	25.4	140.87	28.58	156.82	33.32	179.9
14"	355.6	533	6.35	45.09	7.92	59.7	9.53	69.9	12.7	91.6			9.53	69.9	11.13	83.06	15.09		19.05	138.68	23.83	171.23	27.79	197.54	31.75	222.96	35.71	247.7
16"	406.4	610	6.35	62.95	7.92	78.2	9.53	91.2	12.7	120.2			9.53	91.2	12.7	120.2	16.66		21.44	204.17	26.19	246.85	30.96	288.05	36.53	334.83	40.49	367.15
18"	457	686	6.35	79.82	9.53	99.2	11.13	138.29	12.7	153.3			9.53	116.1	14.27	176.31	19.05		23.83	287.57	29.36	350.64	34.93	411.21	39.67	461.77	45.24	519.59
20"	508	762	6.35	98.67	9.53	143.8	12.7	190.1	12.7	190.1			9.53	143.8	15.09	229.96	20.62		26.19	391.03	35.54	478.71	38.1	554.58	44.45	638.27	50.01	717.5
22"	559	838	6.35	119.54	9.53	174.6	12.7	230.4	12.7	230.4			9.53	174.6			23.23		28.58	516.35	34.93	623.36	41.28	727.94	47.63	829.61	53.98	939.8
24"	610	914	6.35	142.4	12.7	207.7	14.27	315.36	12.7	274.9			9.53	207.7	17.48	384.1	24.61		30.96	664.71	38.89	825.23	46.02	964.1	52.37	1101.62	59.54	1251.54
26"	660	991	7.92	208.1	12.7	323.4			12.7	323			9.53	244.5														
28"	711	1067	7.92	241.56	12.7	385	15.88	478.56	12.7	385			9.53	308														
30"	762	1143	7.92	277.51	12.7	451.3	15.88	550.2	12.7	452.3			9.53	326.6														
32"	813	1219	7.92	315.95	12.7	511	15.88	626.84	12.7	511			9.53	386	17.48	688.65												
34"	864	1295	7.92	356.88	12.7	557.9	15.88	708.47	12.7	557.9			9.53	420	17.48	778.42												
36"	914	1372	7.92	400.31	12.7	626	15.88	795.09	12.7	626			9.53	471.7	19.05	951.04												
38"	965	1448							12.7	717.7			9.53	544														
40"	1016	1524							12.7	794			9.53	590														
42"	1067	1600							12.7	852			9.53	644.1														
44"	1118	1676							12.7	975			9.53	726														
46"	1168	1753							12.7	1055			9.53	816														
48"	1219	1829							12.7	1134			9.53	907														
52"	1321	1982							12.7	1400			9.53	1200														
54"	1372	2058							12.7	1510			9.53	1300														
56"	1422	2133							12.7	1630			9.53	1400														
60"	1524	2286							12.7	1870			9.53	1600														

90° Short Radius Elbows

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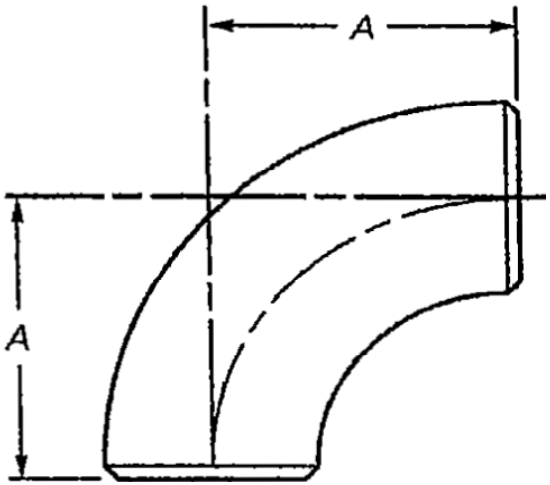

Nominal pipe size in	outside diameter at Bevel mm	center to end mm	SCH 10		SCH 20		SCH 30		SCH XS		SCH XXS		SCH STD		SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
			wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg	wall thk. mm	weight kg
	D	A	T		T		T		T		T		T		T		T		T		T		T		T		T	
1/2"	21.3								3.73		7.47		2.77		2.77				3.73								4.78	
3/4"	26.7	19							3.91	0.07	7.82	0.11	2.87	0.05	2.87	0.05			3.91	0.07							5.56	0.09
1"	33.4	25							4.55	0.13	9.09	0.23	3.38	0.1	3.38	0.1			4.55	0.13							6.35	0.18
1.1/4"	42.2	32							5.08	0.33	10.15	0.6	3.68	0.25	3.68	0.25			5.08	0.33							6.35	0.45
1.1/2"	48.3	38							4.85	0.23	9.7	0.41	3.56	0.17	3.56	0.17			4.85	0.23							7.14	0.29
2"	60.3	51							5.54	0.6	11.07	1.13	3.91	0.45	3.91	0.45			5.54	0.6							8.74	0.93
2.1/2"	73	64							7.01	1.14	14.02	2.03	5.16	0.87	5.16	0.87			7.01	1.14							9.53	1.56
3"	88.9	76							7.62	1.83	15.24	3.47	5.49	1.38	5.49	1.38			7.62	1.83							11.13	2.68
3.1/2"	101.6	89							8.08	2.61			5.74	1.93	5.74	1.93			8.08	2.61								
4"	114.3	102							8.56	3.58	17.12	6.86	6.02	2.62	6.02	2.62			8.56	3.58			11.13	4.74			13.49	5.62
5"	141.3	127							9.53	6.21	19.05	12.02	6.55	4.42	6.55	4.42			9.53	6.21			12.7	8.43			15.88	10.28
6"	168.3	152							10.97	10.3	21.95	19.9	7.11	6.89	7.11	6.89			10.97	10.3			14.27	13.62			18.26	16.97
8"	219.1	203			6.35	11.16	7.04	12.34	12.7	20.7	22.23	36.12	8.18	13.8	8.18	13.8	10.31	17.77	12.7	20.7	15.09	25.46	18.65	30.31	20.62	33.82	23.01	37.29
10"	273	254			6.35	17.48	7.8	21.36	12.7	32.9	25.4	64.94	9.27	24.5	9.27	24.5	12.7	32.9	15.09	40.21	18.26	47.88	21.44	55.69	25.4	64.94	28.58	72.13
12"	323.8	305			6.35	24.97	8.38	32.75	12.7	47.2	25.4	93.91	9.53	36.1	10.31	40.05	14.27	54.87	17.48	66.24	21.44	80.18	25.4	93.91	28.58	104.55	33.32	119.93
14"	355.6	356	6.35	32.06	7.92	39.8	9.53	46.3	12.7	61.2			9.53	46.3	11.13	55.37	15.09	74.33	19.05	92.68	23.83	114.16	27.79	131.69	31.75	148.64	35.71	165.13
16"	406.4	406	6.35	41.97	7.92	52.14	9.53	61.2	12.7	80.3			9.53	61.2	12.7	80.3	16.66	107.52	21.44	136.08	26.19	164.57	30.96	192.03	36.53	223.22	40.49	244.77
18"	457	457	6.35	53.21	9.53	66.13	11.13	92.19	12.7	102.1			9.53	77.6	14.27	117.48	19.05	155.13	23.83	191.71	29.36	233.76	34.93	274.14	39.67	307.85	45.24	346.39
20"	508	508	6.35	65.78	9.53	96.2	12.7	126.1	12.7	126.1			9.53	96.2	15.09	153.31	20.62	207.35	26.19	260.68	35.54	319.14	38.1	369.72	44.45	425.51	50.01	478.5
22"	559	559	6.35	79.69	9.53	117	12.7	154.2	12.7	154.2			9.53	117			23.23	270.84	28.58	344.24	34.93	415.57	41.28	485.29	47.63	553.08	53.98	626.7
24"	610	610	6.35	94.93	12.7	138.3	14.27	210.24	12.7	183.3			9.53	138.3	17.48	256.07	24.61	356.63	30.96	443.95	38.89	550.15	46.02	642.73	52.37	734.42	59.54	834.76
26"	660	660	7.92	138.73	12.7	216.8			12.7	216.8			9.53	163.8														
28"	711	711	7.92	161.03	12.7	258.6	15.88	319.04	12.7	258.6			9.53	206.8														
30"	762	762	7.92	185	12.7	287.6	15.88	366.8	12.7	287.6			9.53	217.7														
32"	813	813	7.92	210.63	12.7	342	15.88	417.89	12.7	342			9.53	236.8	17.48	460												
34"	864	864	7.92	233	12.7	395	15.88	493.75	12.7	395			9.53	280	17.48	545												
36"	914	914	7.92	266.87	12.7	141.1	15.88	530.06	12.7	414.1			9.53	313.9	19.05	634.02												
38"	965	965							12.7	480.4			9.53	364.7														
40"	1016	1016							12.7	532.1			9.53	395.1														
42"	1067	1067							12.7	590			9.53	438.2														
44"	1118	1118							12.7	653.2			9.53	486.3														
46"	1168	1168							12.7	706.7			9.53	547.1														
48"	1219	1219							12.7	759.8			9.53	607.8														
52"	1321								12.7				9.53															
54"	1372								12.7				9.53															
56"	1422								12.7				9.53															
60"	1524								12.7				9.53															