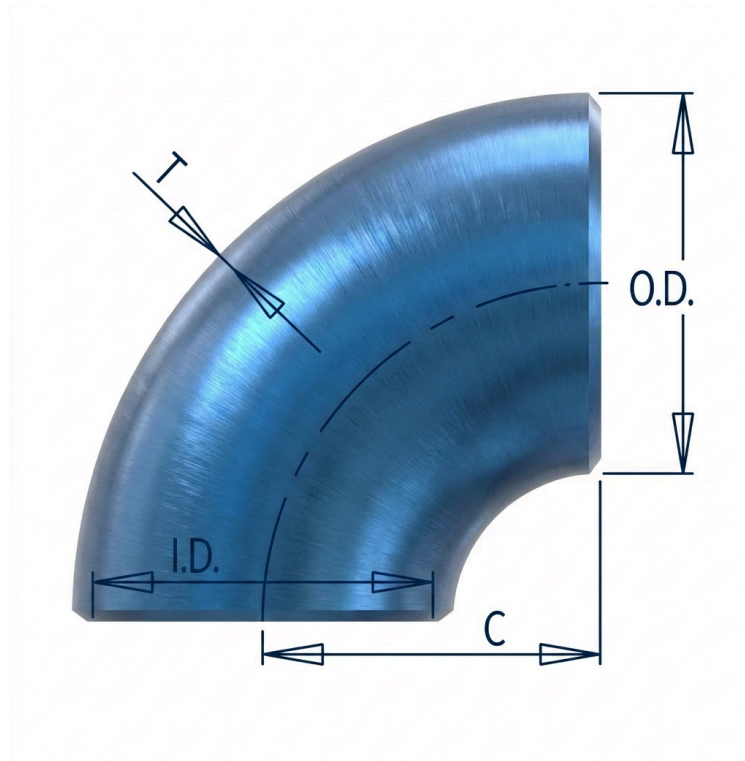


90° Short Radius Elbows

Butt-Weld Fittings · ASME B16.9 · All Material Grades



AVAILABLE SCHEDULES

STD

XS

40

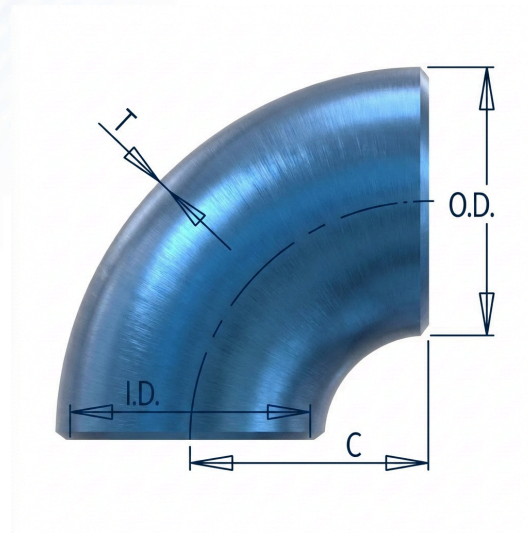
80

160

XXS



90° Short Radius Elbow — Schedule STD



SHORT RADIUS — SCHEDULE STD

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	1.049	0.133	1.00	40	0.30
1¼	1.66	1.380	0.140	1.25	40	0.40
1½	1.90	1.610	0.145	1.50	40	0.50
2	2.38	2.067	0.154	2.00	40	1.00
2½	2.88	2.469	0.203	2.50	40	2.00
3	3.50	3.068	0.216	3.00	40	3.00
3½	4.00	3.548	0.226	3.50	40	4.30
4	4.50	4.026	0.237	4.00	40	6.10
5	5.56	5.047	0.258	5.00	40	9.70
6	6.62	6.065	0.280	6.00	40	16.70
8	8.62	7.981	0.322	8.00	40	32.40
10	10.75	10.020	0.365	10.00	40	56.30
12	12.75	12.000	0.375	12.00	*	79.40
14	14.00	13.250	0.375	14.00	30	104.00
16	16.00	15.250	0.375	16.00	30	129.00
18	18.00	17.250	0.375	18.00	*	163.00
20	20.00	19.250	0.375	20.00	20	210.00
24	24.00	23.250	0.375	24.00	20	297.00
30†	30.00	29.250	0.375	30.00	*	470.00
36†	36.00	35.250	0.375	36.00	*	692.00
42†	42.00	41.250	0.375	42.00	*	967.00
48†	48.00	47.250	0.375	48.00	*	1340.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

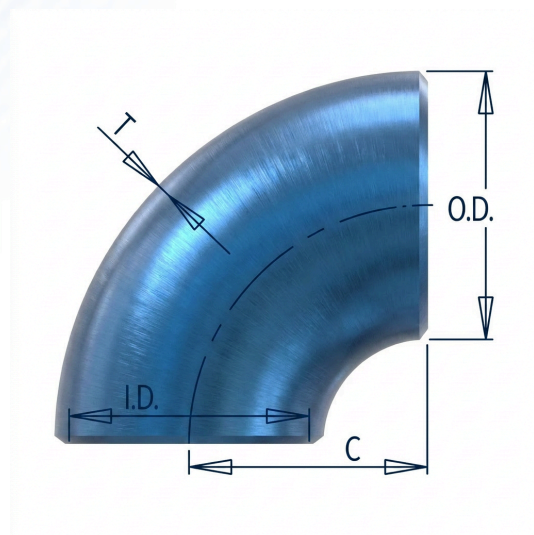
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

90° Short Radius Elbow — Schedule XS



SHORT RADIUS — SCHEDULE XS

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	0.962	0.179	1.00	80	0.30
1¼	1.66	1.278	0.191	1.25	80	0.60
1½	1.90	1.500	0.200	1.50	80	0.80
2	2.38	1.939	0.218	2.00	80	1.50
2½	2.88	2.323	0.276	2.50	80	2.60
3	3.50	2.900	0.300	3.00	80	3.80
3½	4.00	3.364	0.318	3.50	80	5.40
4	4.50	3.826	0.337	4.00	80	7.60
5	5.56	4.813	0.375	5.00	80	13.80
6	6.62	5.761	0.432	6.00	80	22.80
8	8.62	7.625	0.500	8.00	80	47.30
10	10.75	9.750	0.500	10.00	60	71.00
12	12.75	11.750	0.500	12.00	*	104.00
14	14.00	13.000	0.500	14.00	*	137.00
16	16.00	15.000	0.500	16.00	40	171.00
18	18.00	17.000	0.500	18.00	*	214.00
20	20.00	19.000	0.500	20.00	30	277.00
24	24.00	23.000	0.500	24.00	*	390.00
30†	30.00	29.000	0.500	30.00	20	632.70
36†	36.00	35.000	0.500	36.00	20	913.00
42†	42.00	41.000	0.500	42.00	*	1300.00
48†	48.00	47.000	0.500	48.00	*	1675.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

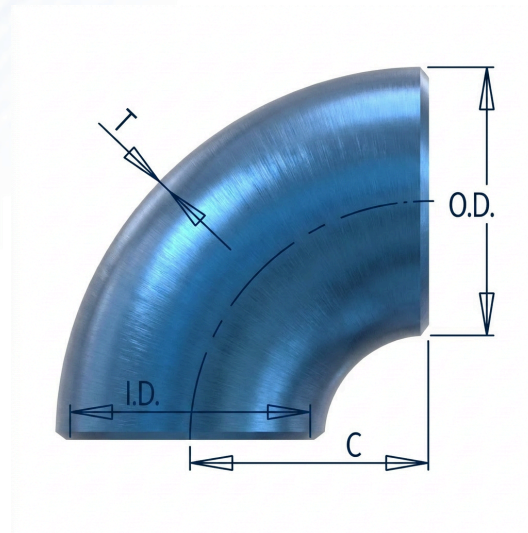
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

90° Short Radius Elbow — Schedule 40



SHORT RADIUS — SCHEDULE 40

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	1.054	0.133	1.00	40	0.30
1¼	1.66	1.380	0.140	1.25	40	0.40
1½	1.90	1.610	0.145	1.50	40	0.50
2	2.38	2.072	0.154	2.00	40	1.00
2½	2.88	2.474	0.203	2.50	40	2.00
3	3.50	3.068	0.216	3.00	40	3.00
3½	4.00	3.548	0.226	3.50	40	4.30
4	4.50	4.026	0.237	4.00	40	6.10
5	5.56	5.044	0.258	5.00	40	9.70
6	6.62	6.060	0.280	6.00	40	16.70
8	8.62	7.976	0.322	8.00	40	32.40
10	10.75	10.020	0.365	10.00	40	56.30
12	12.75	11.938	0.406	12.00	40	80.00
14	14.00	13.124	0.438	14.00	40	105.00
16	16.00	15.000	0.500	16.00	40	130.00
18	18.00	16.876	0.562	18.00	40	165.00
20	20.00	18.812	0.594	20.00	40	215.00
24	24.00	22.624	0.688	24.00	40	300.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

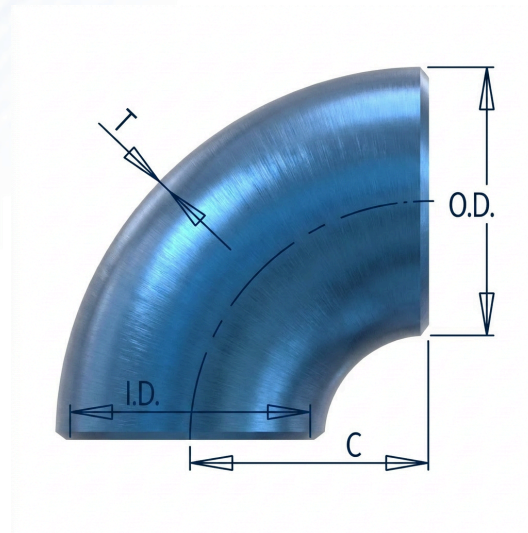
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

90° Short Radius Elbow — Schedule 80



SHORT RADIUS — SCHEDULE 80

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	0.962	0.179	1.00	80	0.30
1¼	1.66	1.278	0.191	1.25	80	0.60
1½	1.90	1.500	0.200	1.50	80	0.80
2	2.38	1.944	0.218	2.00	80	1.50
2½	2.88	2.328	0.276	2.50	80	2.60
3	3.50	2.900	0.300	3.00	80	3.80
3½	4.00	3.364	0.318	3.50	80	5.40
4	4.50	3.826	0.337	4.00	80	7.60
5	5.56	4.810	0.375	5.00	80	13.80
6	6.62	5.756	0.432	6.00	80	22.80
8	8.62	7.620	0.500	8.00	80	47.30
10	10.75	9.562	0.594	10.00	80	75.00
12	12.75	11.374	0.688	12.00	80	105.00
14	14.00	12.500	0.750	14.00	80	140.00
16	16.00	14.312	0.844	16.00	80	175.00
18	18.00	16.124	0.938	18.00	80	215.00
20	20.00	17.938	1.031	20.00	80	280.00
24	24.00	21.562	1.219	24.00	80	400.00

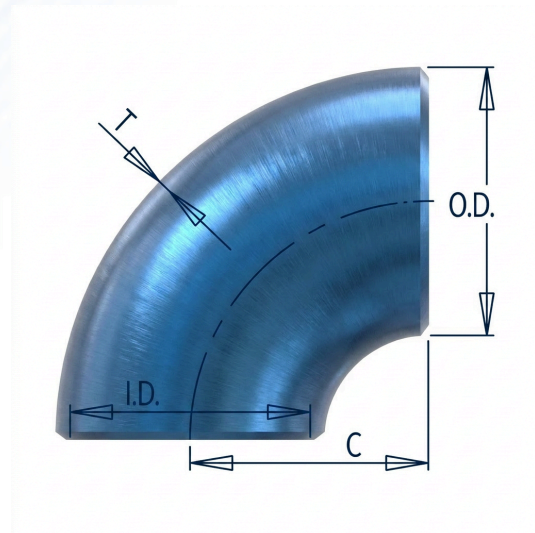
DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

90° Short Radius Elbow — Schedule 160



SHORT RADIUS — SCHEDULE 160

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	0.820	0.250	1.00	160	0.50
1¼	1.66	1.160	0.250	1.25	160	0.90
1½	1.90	1.338	0.281	1.50	160	1.50
2	2.38	1.692	0.344	2.00	160	2.90
2½	2.88	2.130	0.375	2.50	160	5.50
3	3.50	2.624	0.438	3.00	160	9.80
4	4.50	3.438	0.531	4.00	160	20.00
5	5.56	4.310	0.625	5.00	160	30.00
6	6.62	5.182	0.719	6.00	160	60.00
8	8.62	6.808	0.906	8.00	160	125.00
10	10.75	8.500	1.125	10.00	160	258.00
12	12.75	10.126	1.312	12.00	160	455.00
14	14.00	11.188	1.406	14.00	160	550.00
16	16.00	12.812	1.594	16.00	160	800.00
18	18.00	14.438	1.781	18.00	160	1025.00
20	20.00	16.062	1.969	20.00	160	1295.00
24	24.00	19.312	2.344	24.00	160	1450.00

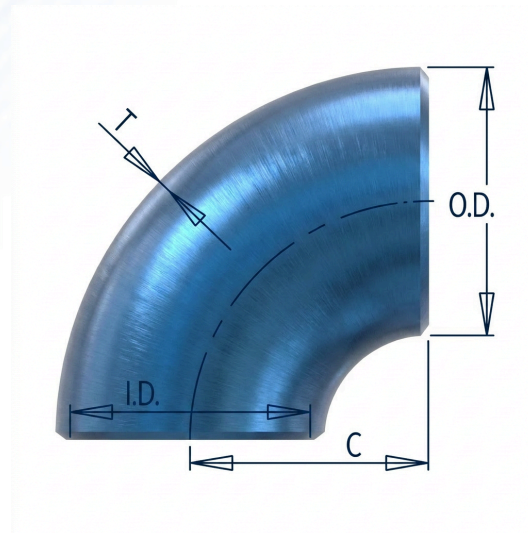
DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

90° Short Radius Elbow — Schedule XXS



SHORT RADIUS — SCHEDULE XXS

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>C</i>		<i>Lbs.</i>
1	1.32	0.604	0.358	1.00	*	0.65
1¼	1.66	0.896	0.382	1.25	*	1.30
1½	1.90	1.100	0.400	1.50	*	1.70
2	2.38	1.508	0.436	2.00	*	3.20
2½	2.88	1.776	0.552	2.50	*	6.10
3	3.50	2.300	0.600	3.00	*	11.00
4	4.50	3.152	0.674	4.00	*	22.00
5	5.56	4.060	0.750	5.00	*	35.00
6	6.62	4.892	0.864	6.00	*	60.00
8	8.62	6.870	0.875	8.00	*	123.00
10	10.75	8.750	1.000	10.00	140	225.00
12	12.75	10.750	1.000	12.00	120	365.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

* This size and wall thickness are not associated with a standard pipe schedule.