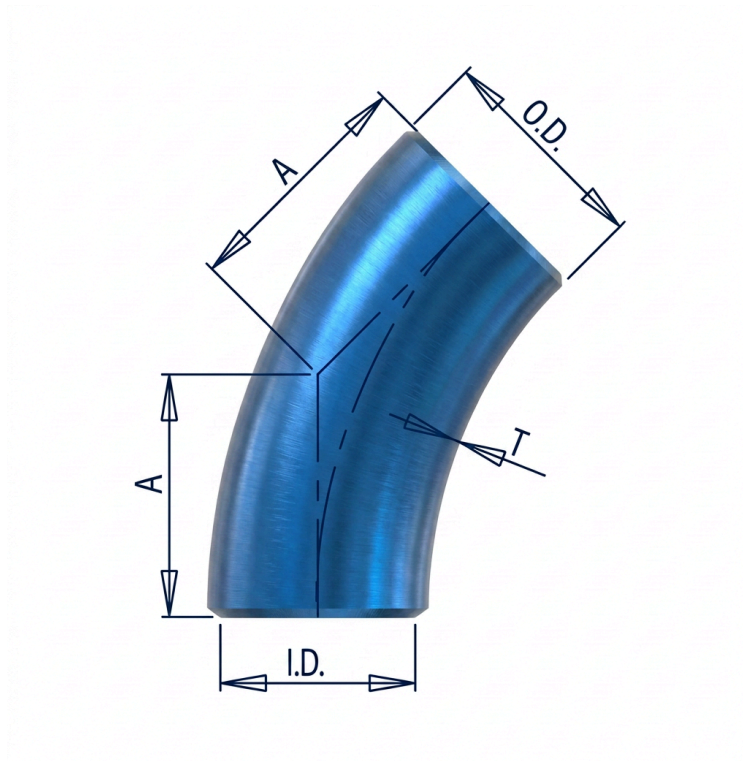


45° 3R Elbows

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



AVAILABLE SCHEDULES

STD

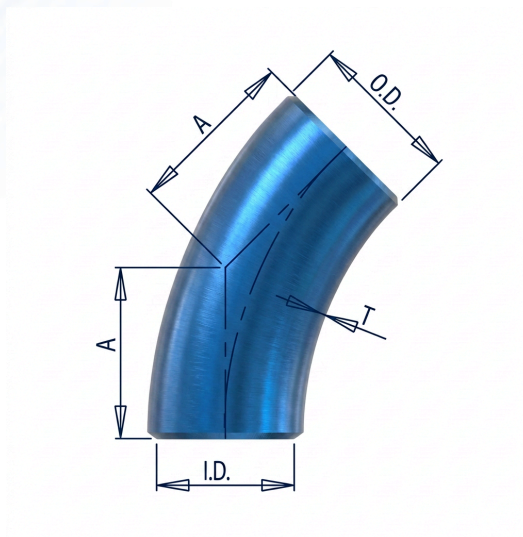
XS

40

80



45° 3R Elbow — Schedule STD



3R 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>A</i>		<i>Lbs.</i>
3/4	1.05	0.824	0.113	0.94	40	0.50
1	1.32	1.054	0.133	1.25	40	0.70
1 1/4	1.66	1.380	0.140	1.56	40	1.00
1 1/2	1.90	1.610	0.145	1.88	40	1.30
2	2.38	2.072	0.154	2.50	40	1.50
2 1/2	2.88	2.474	0.203	3.12	40	1.75
3	3.50	3.068	0.216	3.75	40	3.00
3 1/2	4.00	3.548	0.226	4.38	40	5.00
4	4.50	4.026	0.237	5.00	40	9.00
5	5.56	5.044	0.258	6.19	40	16.00
6	6.62	6.060	0.280	7.44	40	22.50
8	8.62	7.976	0.322	9.94	40	45.00
10	10.75	10.020	0.365	12.44	40	80.00
12	12.75	12.000	0.375	14.88	*	120.00
14	14.00	13.250	0.375	17.38	30	150.00
16	16.00	15.250	0.375	19.88	30	193.00
18	18.00	17.250	0.375	22.38	*	248.00
20	20.00	19.250	0.375	24.88	20	308.00
24	24.00	23.250	0.375	29.81	20	440.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

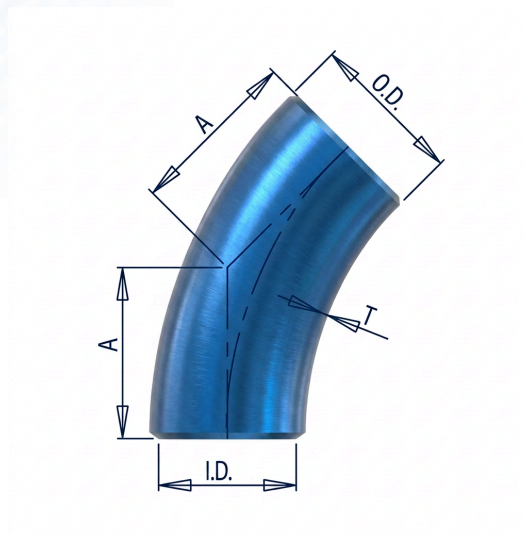
(B) Available in all material grades.

(C) All weights are estimates.

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

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

45° 3R Elbow — Schedule XS



3R 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>A</i>		<i>Lbs.</i>
3/4	1.05	0.742	0.154	0.94	80	0.16
1	1.32	0.962	0.179	1.25	80	0.28
1 1/4	1.66	1.278	0.191	1.56	80	0.45
1 1/2	1.90	1.500	0.200	1.88	80	0.61
2	2.38	1.944	0.218	2.50	80	1.20
2 1/2	2.88	2.328	0.276	3.12	80	2.00
3	3.50	2.900	0.300	3.75	80	3.30
3 1/2	4.00	3.364	0.318	4.38	80	4.50
4	4.50	3.826	0.337	5.00	80	6.20
5	5.56	4.810	0.375	6.19	80	10.50
6	6.62	5.756	0.432	7.44	80	17.00
8	8.62	7.620	0.500	9.94	80	34.30
10	10.75	9.750	0.500	12.44	60	53.50
12	12.75	11.750	0.500	14.88	*	77.60
14	14.00	13.000	0.500	17.38	*	100.00
16	16.00	15.000	0.500	19.88	40	134.00
18	18.00	17.000	0.500	22.38	*	170.00
20	20.00	19.000	0.500	24.88	30	209.00
24	24.00	23.000	0.500	29.81	*	302.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

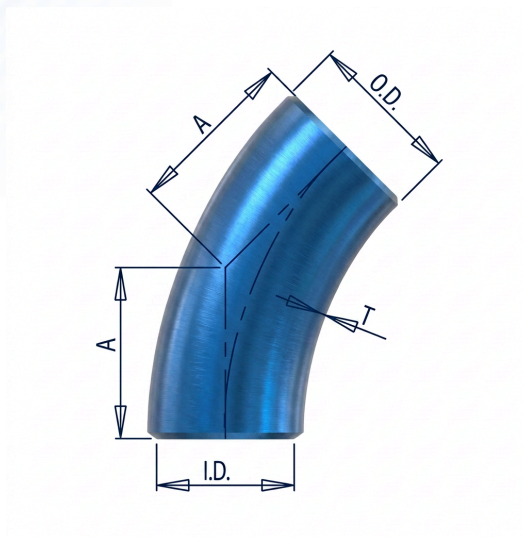
(B) Available in all material grades.

(C) All weights are estimates.

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

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

45° 3R Elbow — Schedule 40



3R 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>A</i>		<i>Lbs.</i>
3/4	1.05	0.824	0.113	0.94	40	0.50
1	1.32	1.054	0.133	1.25	40	0.70
1 1/4	1.66	1.380	0.140	1.56	40	1.00
1 1/2	1.90	1.610	0.145	1.88	40	1.30
2	2.38	2.072	0.154	2.50	40	1.50
2 1/2	2.88	2.474	0.203	3.12	40	1.75
3	3.50	3.068	0.216	3.75	40	3.00
3 1/2	4.00	3.548	0.226	4.38	40	5.00
4	4.50	4.026	0.237	5.00	40	9.00
5	5.56	5.044	0.258	6.19	40	16.00
6	6.62	6.060	0.280	7.44	40	22.50
8	8.62	7.976	0.322	9.94	40	45.00
10	10.75	10.020	0.365	12.44	40	80.00
12	12.75	11.938	0.406	14.88	40	160.00
14	14.00	13.124	0.438	17.38	40	270.00
16	16.00	15.000	0.500	19.88	40	360.00
18	18.00	16.876	0.562	22.38	40	490.00
20	20.00	18.812	0.594	24.88	40	615.00
24	24.00	22.624	0.688	29.81	40	775.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

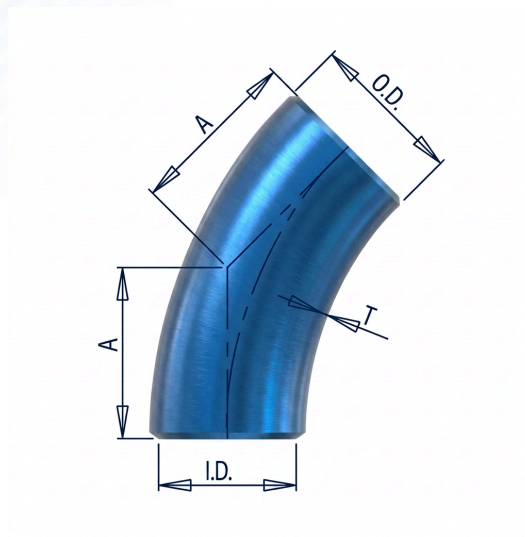
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

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

45° 3R Elbow — Schedule 80



3R 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>A</i>		<i>Lbs.</i>
3/4	1.05	0.742	0.154	0.94	80	0.16
1	1.32	0.962	0.179	1.25	80	0.28
1 1/4	1.66	1.278	0.191	1.56	80	0.45
1 1/2	1.90	1.500	0.200	1.88	80	0.61
2	2.38	1.944	0.218	2.50	80	1.20
2 1/2	2.88	2.328	0.276	3.12	80	2.00
3	3.50	2.900	0.300	3.75	80	3.30
3 1/2	4.00	3.364	0.318	4.38	80	4.50
4	4.50	3.826	0.337	5.00	80	6.20
5	5.56	4.810	0.375	6.19	80	10.50
6	6.62	5.756	0.432	7.44	80	17.00
8	8.62	7.620	0.500	9.94	80	34.30
10	10.75	9.562	0.594	12.44	80	150.00
12	12.75	11.374	0.688	14.88	80	200.00
14	14.00	12.500	0.750	17.38	80	337.50
16	16.00	14.312	0.844	19.88	80	450.00
18	18.00	16.124	0.938	22.38	80	612.50
20	20.00	17.938	1.031	24.88	80	768.75
24	24.00	21.562	1.219	29.81	80	968.75

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.