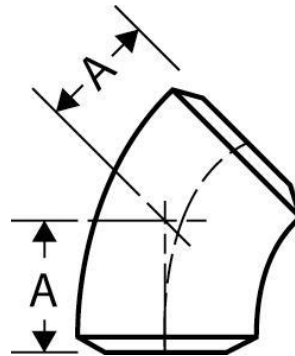


45° Elbows

STANDARD WEIGHT

Inches / Pounds



Nominal Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End (A)	Pipe Schedule	Approximate Weight (in Pounds)
1/2	.84	0.622	0.109	0.62	STD/40	0.09
3/4	1.05	0.824	0.113	0.75	STD/40	0.10
1	1.32	1.05	0.133	0.88	STD/40	0.22
1 1/4	1.66	1.38	0.140	1.00	STD/40	0.33
1 1/2	1.90	1.61	0.145	1.12	STD/40	0.43
2	2.38	2.07	0.154	1.38	STD/40	0.85
2 1/2	2.88	2.47	0.203	1.75	STD/40	1.7
3	3.50	3.07	0.216	2.00	STD/40	2.5
3 1/2	4.00	3.55	0.226	2.25	STD/40	3.4
4	4.50	4.03	0.237	2.50	STD/40	4.5
5	5.56	5.05	0.258	3.12	STD/40	7.5
6	6.62	6.06	0.280	3.75	STD/40	11.7
8	8.62	7.98	0.322	5.00	STD/40	23.3
10	10.75	10.02	0.365	6.25	STD/40	40.9
12	12.75	12.00	0.375	7.50	STD*	61.4
14	14.00	13.25	0.375	8.75	STD/30	78.1
16	16.00	15.25	0.375	10.00	STD/30	101
18	18.00	17.25	0.375	11.25	STD*	128
20	20.00	19.25	0.375	12.50	STD/20	159
22	22.00	21.25	0.375	13.50	STD/20	192
24	24.00	23.25	0.375	15.00	STD/20	231
26	26.00	25.25	0.375	16.00	STD*	299
30	30.00	29.25	0.375	18.50	STD*	358
34	34.00	33.25	0.375	21.00	STD*	463
36	36.00	35.25	0.375	22.25	STD*	518
42	42.00	41.25	0.375	26.00	STD*	707
48	48.00	47.25	0.375	29.88	STD*	1,000

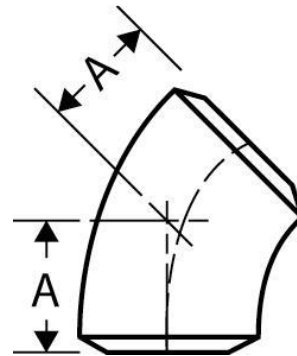
*** STD* designates Standard Weight (standard wall). This size and thickness do not correspond to any pipe schedule number.**

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**

45° Elbows

EXTRA HEAVY

Inches / Pounds



Nominal Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End (A)	Pipe Schedule	Approximate Weight (in Pounds)
1/2	.84	0.546	0.147	0.62	XH/80	0.15
3/4	1.05	0.742	0.154	0.75	XH/80	0.16
1	1.32	0.957	0.179	0.88	XH/80	0.28
1 1/4	1.66	1.28	0.191	1.00	XH/80	0.45
1 1/2	1.90	1.50	0.200	1.12	XH/80	0.61
2	2.38	1.94	0.218	1.38	XH/80	1.2
2 1/2	2.88	2.32	0.276	1.75	XH/80	2.0
3	3.50	2.90	0.300	2.00	XH/80	3.3
3 1/2	4.00	3.36	0.318	2.25	XH/80	4.5
4	4.50	3.83	0.337	2.50	XH/80	6.2
5	5.56	4.81	0.375	3.12	XH/80	10.5
6	6.62	5.76	0.432	3.75	XH/80	17.0
8	8.62	7.63	0.500	5.00	XH/80	34.3
10	10.75	9.75	0.500	6.25	XH/60	53.5
12	12.75	11.75	0.500	7.50	XH*	77.6
14	14.00	13.00	0.500	8.75	XH*	100
16	16.00	15.00	0.500	10.00	XH/40	134
18	18.00	17.00	0.500	11.25	XH*	170
20	20.00	19.00	0.500	12.50	XH/30	209
22	22.00	21.00	0.500	13.50	XH*	253
24	24.00	23.00	0.500	15.00	XH*	302
26	26.00	25.00	0.500	16.00	XH*	355
30	30.00	29.00	0.500	18.50	XH/20	475.1
34	34.00	33.00	0.500	21.00	XH/20	615
36	36.00	35.00	0.500	22.25	XH/20	686.1
42	42.00	41.00	0.500	26.00	XH*	936.1
48	48.00	47.00	0.500	29.88	XH*	1,250

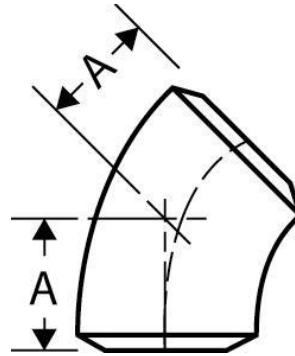
** XH* designates Extra Strong (extra strong wall). This size and thickness do not correspond to any pipe schedule number.*

** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.*

45° Elbows

SCHEDULE 160

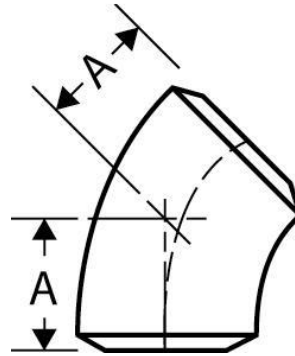
Inches / Pounds



Nominal Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End (A)	Approximate Weight (in Pounds)
1/2	0.84	0.464	0.188	0.63	0.2
3/4	1.05	0.612	0.219	0.75	0.3
1	1.32	0.815	0.250	0.88	0.4
1 1/4	1.66	1.160	0.250	1.00	0.5
1 1/2	1.90	1.338	0.281	1.12	1.0
2	2.38	1.687	0.344	1.38	1.8
2 1/2	2.88	2.125	0.375	1.75	3.0
3	3.50	2.624	0.438	2.00	5.0
4	4.50	3.438	0.531	2.50	10.8
5	5.56	4.313	0.625	3.12	17.0
6	6.63	5.187	0.719	3.75	30.0
8	8.63	6.813	0.906	5.00	75.0
10	10.75	8.500	1.125	6.25	135.0
12	12.75	10.126	1.312	7.50	230.0
14	14.00	11.188	1.406	8.75	278.0
16	16.00	12.812	1.594	10.00	415.0
18	18.00	14.438	1.781	11.25	609.0
20	20.00	16.062	1.969	12.50	992.1
22	22.00	17.750	2.125	13.50	1,197
24	24.00	19.312	2.344	15.00	1,569

** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.*

45° Elbows
SCHEDULE XXH
 Inches / Pounds



Nominal Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End (A)	Approximate Weight (in Pounds)
1/2	0.840	0.252	0.294	0.63	0.21
3/4	1.030	0.414	0.308	0.75	0.29
1	1.315	0.599	0.358	0.88	0.44
1 1/4	1.660	0.896	0.382	1.00	0.79
1 1/2	1.900	1.100	0.400	1.12	1.16
2	2.375	1.499	0.438	1.38	2.19
2 1/2	2.875	1.771	0.552	1.75	4.13
3	3.500	2.300	0.600	2.00	6.7
4	4.500	3.152	0.674	2.50	9.6
5	5.562	4.062	0.750	3.12	13
6	6.625	4.897	0.864	3.75	23
8	8.625	6.875	0.875	5.00	38
10	10.75	8.750	1.000	6.25	70
12	12.75	10.750	1.000	7.50	126

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**