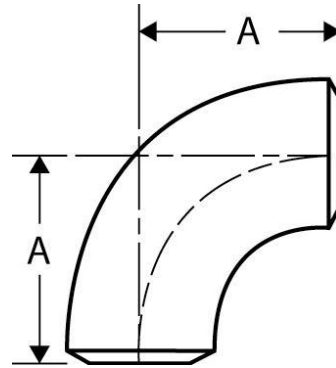


Long Radius 90° Elbows

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	0.84	0.622	0.109	1.50	STD/40	0.16
3/4	1.05	0.824	0.113	1.50	STD/40	0.17
1	1.32	1.049	0.133	1.50	STD/40	0.40
1 1/4	1.66	1.380	0.140	1.88	STD/40	0.55
1 1/2	1.90	1.610	0.145	2.25	STD/40	0.80
2	2.37	2.067	0.154	3.00	STD/40	1.6
2 1/2	2.88	2.469	0.203	3.75	STD/40	3.2
3	3.50	3.068	0.216	4.50	STD/40	4.8
3 1/2	4.00	3.548	0.226	5.25	STD/40	6.6
4	4.50	4.026	0.237	6.00	STD/40	8.9
5	5.56	5.047	0.258	7.50	STD/40	15.1
6	6.63	6.065	0.280	9.00	STD/40	24
8	8.63	7.981	0.322	12.00	STD/40	47.8
10	10.75	10.020	0.365	15.00	STD/40	83.4
12	12.75	12.000	0.375	18.00	STD*	123
14	14.00	13.250	0.375	21.00	STD/30	155
16	16.00	15.250	0.375	24.00	STD/30	206
18	18.00	17.250	0.375	27.00	STD*	262
20	20.00	19.250	0.375	30.00	STD/20	324
22	22.00	21.250	0.375	33.00	STD/20	385
24	24.00	23.250	0.375	36.00	STD/20	466
26	26.00	25.250	0.375	39.00	STD*	602
30	30.00	29.240	0.380	45.00	STD*	720
34	34.00	33.250	0.375	51.00	STD*	926
36	36.00	35.240	0.380	54.00	STD*	1,039
42	42.00	41.240	0.380	63.00	STD*	1,420
48	48.00	47.240	0.380	72.00	STD*	2,000

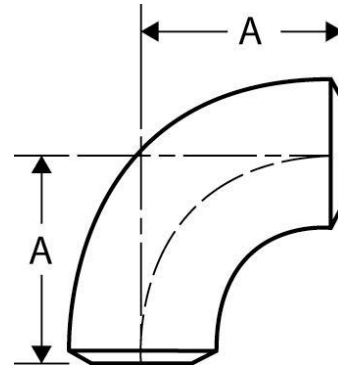
*** STD* designates Standard Weight (standard wall). This size and thickness do not correspond to any pipe schedule number.**

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

Long Radius 90° 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	0.840	0.546	0.147	1.50	XH/80	0.26
3/4	1.050	0.742	0.154	1.50	XH/80	0.29
1	1.315	0.957	0.179	1.50	XH/80	0.48
1 1/4	1.660	1.278	0.191	1.88	XH/80	0.79
1 1/2	1.900	1.500	0.200	2.25	XH/80	1.2
2	2.375	1.939	0.218	3.00	XH/80	2.1
2 1/2	2.875	2.323	0.276	3.75	XH/80	3.8
3	3.500	2.900	0.300	4.50	XH/80	6.3
3 1/2	4.000	3.364	0.318	5.25	XH/80	8.6
4	4.500	3.826	0.337	6.00	XH/80	12.5
5	5.563	4.813	0.375	7.50	XH/80	21.2
6	6.625	5.761	0.432	9.00	XH/80	34.4
8	8.625	7.625	0.500	12.00	XH/80	71.3
10	10.75	9.750	0.500	15.00	XH/60	111
12	12.75	11.75	0.500	18.00	XH*	158
14	14.00	13.00	0.500	21.00	XH*	201
16	16.00	15.00	0.500	24.00	XH/40	270
18	18.00	17.00	0.500	27.00	XH*	348
20	20.00	19.00	0.500	30.00	XH/30	422
22	22.00	21.00	0.500	33.00	XH*	508
24	24.00	23.00	0.500	36.00	XH*	604
26	26.00	25.00	0.500	39.00	XH*	713
30	30.00	29.00	0.500	45.00	XH/20	997
34	34.00	33.00	0.500	51.00	XH/20	1,230
36	36.00	35.00	0.500	54.00	XH/20	1,380
42	42.00	41.00	0.500	63.00	XH*	1,880
48	48.00	47.00	0.500	72.00	XH*	2,502

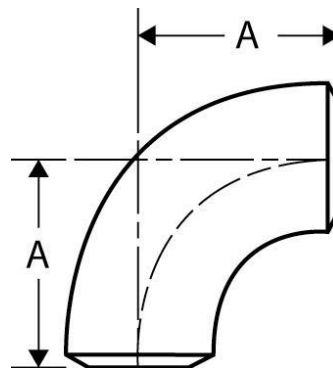
** XH* designates Extra Strong (extra strong wall). This size and thickness do not correspond to any pipe schedule number.*

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

Long Radius 90° Elbows

SCHEDULE 160

Inches / Pounds



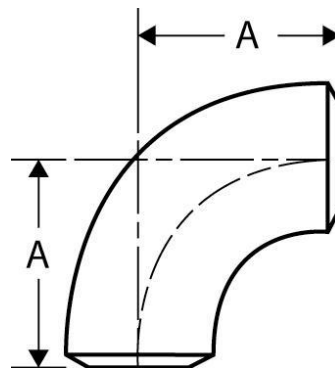
Nominal Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End (A)	Approximate Weight (in Pounds)
1/2	0.84	0.464	0.188	1.50	0.32
3/4	1.05	0.612	0.219	1.50	0.46
1	1.32	0.815	0.250	1.50	0.69
1 1/4	1.66	1.160	0.250	1.88	1.14
1 1/2	1.90	1.338	0.281	2.25	1.76
2	2.38	1.687	0.344	3.00	3.60
2 1/2	2.88	2.125	0.375	3.75	6.0
3	3.50	2.624	0.438	4.50	10
4	4.50	3.438	0.531	6.00	22
5	5.56	4.313	0.625	7.50	40
6	6.63	5.187	0.719	9.00	66
8	8.63	6.813	0.906	12.00	144
10	10.75	8.500	1.125	15.00	279
12	12.75	10.126	1.312	18.00	464
14	14.00	11.188	1.406	21.00	639
16	16.00	12.812	1.594	24.00	946
18	18.00	14.438	1.781	27.00	1,339
20	20.00	16.062	1.969	30.00	1,829
22	22.00	17.750	2.125	33.00	2,393
24	24.00	19.312	2.344	36.00	3,138

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

Long Radius 90° 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	1.50	0.41
3/4	1.030	0.414	0.308	1.50	0.57
1	1.315	0.599	0.358	1.50	0.88
1 1/4	1.660	0.896	0.382	1.88	1.58
1 1/2	1.900	1.100	0.400	2.25	2.32
2	2.375	1.499	0.438	3.00	4.37
2 1/2	2.875	1.771	0.552	3.75	8.3
3	3.500	2.300	0.600	4.50	13
4	4.500	3.152	0.674	6.00	27
5	5.562	4.062	0.750	7.50	46
6	6.625	4.897	0.864	9.00	77
8	8.625	6.875	0.875	12.00	140
10	10.75	8.750	1.000	15.00	251
12	12.75	10.750	1.000	18.00	363

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