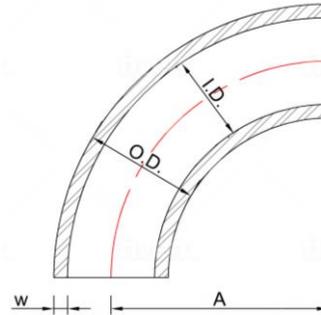


Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS**ASME B16.9 & ASTM A234 WPB**

90° LONG RADIUS ELBOWS

Source: Import Domestic Approved**DIMENSIONS**

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (STD)	APPROX WEIGHT
1/2	0.84	1.50	0.622	0.109	40	0.16
3/4	1.05	1.50	0.824	0.113	40	0.17
1	1.32	1.50	1.049	0.133	40	0.40
1 1/4	1.66	1.88	1.380	0.140	40	0.55
1 1/2	1.90	2.25	1.610	0.145	40	0.80
2	2.38	3.00	2.067	0.154	40	1.60
2 1/2	2.88	3.75	2.469	0.203	40	3.20
3	3.50	4.50	3.068	0.216	40	4.80
3 1/2	4.00	5.25	3.548	0.226	40	6.60
4	4.50	6.00	4.026	0.237	40	8.90
5	5.56	7.50	5.047	0.258	40	15.10
6	6.62	9.00	6.065	0.280	40	24.00
8	8.62	12.00	7.981	0.322	40	47.80
10	10.75	15.00	10.020	0.365	40	83.40
12	12.75	18.00	12.000	0.375	-	123.00
14	14.00	21.00	13.250	0.375	30	155.00
16	16.00	24.00	15.250	0.375	30	206.00
18	18.00	27.00	17.250	0.375	-	262.00
20	20.00	30.00	19.250	0.375	20	324.00
24	24.00	36.00	23.250	0.375	20	466.00
30	30.00	45.00	29.250	0.375	-	720.00
36	36.00	54.00	35.250	0.375	-	1039.00
42	42.00	63.00	41.250	0.375	-	1420.00
48	48.00	72.00	47.250	0.375	-	2000.00

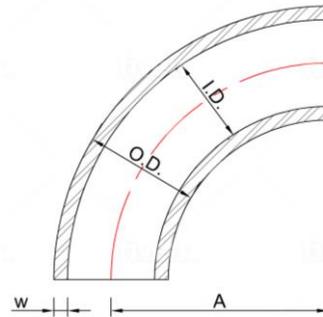
Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS

ASME B16.9 & ASTM A234 WPB

FITTINGS LR90



90° LONG RADIUS ELBOWS

Source: Import Domestic Approved

DIMENSIONS

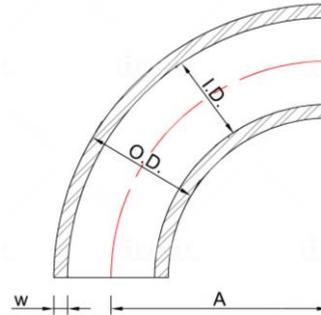
UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (XS)	APPROX WEIGHT
1/2	0.84	1.50	0.546	0.147	80	0.26
3/4	1.05	1.50	0.742	0.154	80	0.29
1	1.32	1.50	0.957	0.179	80	0.48
1 1/4	1.66	1.88	0.278	0.191	80	0.79
1 1/2	1.90	2.25	1.500	0.200	80	1.20
2	2.38	3.00	1.939	0.218	80	2.10
2 1/2	2.88	3.75	2.323	0.276	80	3.80
3	3.50	4.50	2.900	0.300	80	6.30
3 1/2	4.00	5.25	3.364	0.318	80	8.60
4	4.50	6.00	3.820	0.337	80	12.50
5	5.56	7.50	4.813	0.375	80	21.20
6	6.62	9.00	5.761	0.432	80	34.40
8	8.62	12.00	7.625	0.500	80	71.30
10	10.75	15.00	9.750	0.500	60	111.00
12	12.75	18.00	11.750	0.500	-	158.00
14	14.00	21.00	13.000	0.500	-	201.00
16	16.00	24.00	15.000	0.500	40	270.00
18	18.00	27.00	17.000	0.500	-	348.00
20	20.00	30.00	19.000	0.500	30	422.00
24	24.00	36.00	23.000	0.500	-	604.00
30	30.00	45.00	29.000	0.500	20	997.00
36	36.00	54.00	35.000	0.500	20	1380.00
42	42.00	63.00	41.000	0.500	-	1880.00
48	48.00	72.00	47.000	0.500	-	2502.00

Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS

ASME B16.9 & ASTM A234 WPB

90° LONG RADIUS ELBOWS

Source: Import Domestic Approved

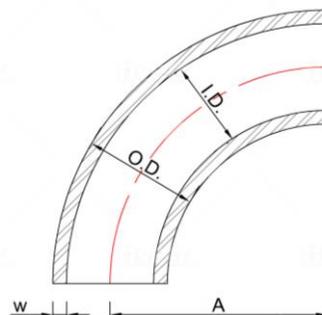
DIMENSIONS

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (40)	APPROX WEIGHT
1/2	0.84	1.50	0.622	0.109	40	0.16
3/4	1.05	1.50	0.824	0.113	40	0.17
1	1.32	1.50	1.054	0.133	40	0.40
1 1/4	1.66	1.88	1.380	0.140	40	0.55
1 1/2	1.90	2.25	1.610	0.145	40	0.80
2	2.38	3.00	2.072	0.154	40	1.60
2 1/2	2.88	3.75	2.474	0.203	40	3.20
3	3.50	4.50	3.068	0.216	40	4.80
3 1/2	4.00	5.25	3.548	0.226	40	6.60
4	4.50	6.00	4.026	0.237	40	8.90
5	5.56	7.50	5.044	0.258	40	15.10
6	6.62	9.00	6.060	0.280	40	24.00
8	8.62	12.00	7.976	0.322	40	47.80
10	10.75	15.00	10.020	0.365	40	83.40
12	12.75	18.00	11.938	0.406	40	123.00
14	14.00	21.00	13.124	0.438	40	155.00
16	16.00	24.00	15.000	0.500	40	206.00
18	18.00	27.00	16.786	0.562	40	262.00
20	20.00	30.00	18.812	0.594	40	324.00
24	24.00	36.00	22.624	0.688	40	466.00

Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS**ASME B16.9 & ASTM A234 WPB**

90° LONG RADIUS ELBOWS

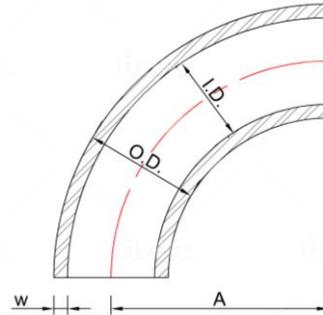
Source: Import Domestic Approved**DIMENSIONS**

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (80)	APPROX WEIGHT
1/2	0.84	1.50	0.546	0.147	80	0.26
3/4	1.05	1.50	0.742	0.154	80	0.29
1	1.32	1.50	0.962	0.179	80	0.48
1 1/4	1.66	1.88	1.278	0.191	80	0.79
1 1/2	1.90	2.25	1.500	0.200	80	1.20
2	2.38	3.00	1.944	0.218	80	2.10
2 1/2	2.88	3.75	2.328	0.276	80	3.80
3	3.50	4.50	2.900	0.300	80	6.30
3 1/2	4.00	5.25	3.364	0.318	80	8.60
4	4.50	6.00	3.826	0.337	80	12.50
5	5.56	7.50	4.810	0.375	80	21.20
6	6.62	9.00	5.756	0.432	80	34.40
8	8.62	12.00	7.620	0.500	80	71.30
10	10.75	15.00	9.562	0.594	80	111.00
12	12.75	18.00	11.374	0.688	80	158.00
14	14.00	21.00	12.500	0.750	80	201.00
16	16.00	24.00	14.312	0.844	80	270.00
18	18.00	27.00	16.124	0.938	80	348.00
20	20.00	30.00	17.938	1.031	80	422.00
24	24.00	36.00	21.562	1.219	80	604.00

Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS**ASME B16.9 & ASTM A234 WPB**

90° LONG RADIUS ELBOWS

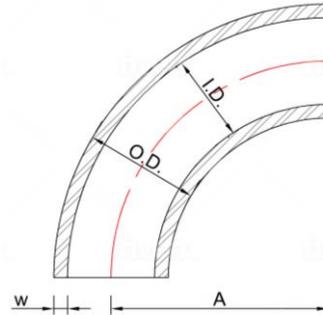
Source: Import Domestic Approved**DIMENSIONS**

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (160)	APPROX WEIGHT
1/2	0.84	1.50	0.464	0.188	160	0.60
3/4	1.05	1.50	0.612	0.219	160	0.60
1	1.32	1.50	0.820	0.250	160	0.60
1 1/4	1.66	1.88	1.160	0.250	160	1.00
1 1/2	1.90	2.25	1.338	0.281	160	1.80
2	2.38	3.00	1.692	0.344	160	3.20
2 1/2	2.88	3.75	2.130	0.375	160	6.00
3	3.50	4.50	2.624	0.438	160	10.00
4	4.50	6.00	3.438	0.531	160	22.00
5	5.56	7.50	4.310	0.625	160	33.00
6	6.62	9.00	5.182	0.719	160	62.00
8	8.62	12.00	6.808	0.906	160	122.00
10	10.75	15.00	8.500	1.125	160	270.00
12	12.75	18.00	10.126	1.312	160	460.00
14	14.00	21.00	11.188	1.406	160	563.00
16	16.00	24.00	12.812	1.594	160	825.00
18	18.00	27.00	14.438	1.781	160	1240.00
20	20.00	30.00	16.062	1.969	160	1510.00
24	24.00	36.00	19.312	2.344	160	1760.00

Project Name: _____

Job #: _____

90° ELBOW - LONG RADIUS**ASME B16.9 & ASTM A234 WPB**

90° LONG RADIUS ELBOWS

Source: Import Domestic Approved**DIMENSIONS**

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (XXS)	APPROX WEIGHT
1/2	0.84	1.50	0.252	0.294	-	0.30
3/4	1.05	1.50	0.434	0.308	-	0.30
1	1.32	1.50	0.604	0.358	-	0.80
1 1/4	1.66	1.88	0.896	0.382	-	1.40
1 1/2	1.90	2.25	1.100	0.400	-	2.00
2	2.38	3.00	1.508	0.436	-	3.90
2 1/2	2.88	3.75	1.776	0.552	-	6.80
3	3.50	4.50	2.300	0.600	-	11.30
4	4.50	6.00	3.152	0.674	-	23.00
5	5.56	7.50	4.060	0.750	-	38.00
6	6.62	9.00	4.892	0.864	-	69.00
8	8.62	12.00	6.870	0.875	-	120.00
10	10.75	15.00	8.750	1.000	140	232.00
12	12.75	18.00	10.750	1.000	120	315.00