

Project Name: _____

Job #: _____

180° RETURN BENDS - SHORT RADIUS**ASME B16.9 & ASTM A234 WPB**Source: Import Domestic Approved**DIMENSIONS**

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (STD)	APPROX WEIGHT
1	1.32	2.00	1.62	1.049	0.133	40	0.50
1 1/4	1.66	2.50	2.06	1.380	0.140	40	0.80
1 1/2	1.90	3.00	2.44	1.610	0.145	40	1.10
2	2.38	4.00	3.19	2.067	0.154	40	1.90
2 1/2	2.88	5.00	3.94	2.469	0.203	40	4.00
3	3.50	6.00	4.75	3.068	0.216	40	6.00
3 1/2	4.00	7.00	5.50	3.548	0.226	40	8.70
4	4.50	8.00	6.25	4.026	0.237	40	12.20
5	5.56	10.00	7.75	5.047	0.258	40	19.20
6	6.62	12.00	9.31	6.065	0.280	40	32.90
8	8.62	16.00	12.31	7.981	0.322	40	64.90
10	10.75	20.00	15.38	10.020	0.365	40	112.00
12	12.75	24.00	18.38	12.000	0.375	-	157.00
14	14.00	28.00	21.00	13.250	0.375	30	208.00
16	16.00	32.00	24.00	15.250	0.375	30	257.00
18	18.00	36.00	27.00	17.250	0.375	-	325.00
20	20.00	40.00	30.00	19.250	0.375	20	416.00
24	24.00	48.00	36.00	23.250	0.375	20	592.00

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NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (XS)	APPROX WEIGHT
1	1.32	2.00	1.62	0.962	0.179	40	0.70
1 1/4	1.66	2.50	2.06	1.278	0.191	40	1.00
1 1/2	1.90	3.00	2.44	1.500	0.200	40	1.50
2	2.38	4.00	3.19	1.939	0.218	40	2.90
2 1/2	2.88	5.00	3.94	2.323	0.276	40	5.20
3	3.50	6.00	4.75	2.900	0.300	40	8.20
3 1/2	4.00	7.00	5.50	3.364	0.318	40	11.70
4	4.50	8.00	6.25	3.826	0.337	40	16.40
5	5.56	10.00	7.75	4.813	0.375	40	27.70
6	6.62	12.00	9.31	5.761	0.432	40	45.70
8	8.62	16.00	12.31	7.625	0.500	40	96.30
10	10.75	20.00	15.38	9.750	0.500	40	143.00
12	12.75	24.00	18.38	11.750	0.500	-	212.00
14	14.00	28.00	21.00	13.000	0.500	30	271.00
16	16.00	32.00	24.00	15.000	0.500	30	339.00
18	18.00	36.00	27.00	17.000	0.500	-	425.00
20	20.00	40.00	30.00	19.000	0.500	20	555.00
24	24.00	48.00	36.00	23.000	0.500	20	778.00

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Source: Import Domestic Approved

DIMENSIONS

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NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (40)	APPROX WEIGHT
1	1.32	2.00	1.62	1.054	0.133	40	0.50
1 1/4	1.66	2.50	2.06	1.380	0.140	40	0.80
1 1/2	1.90	3.00	2.44	1.610	0.145	40	1.10
2	2.38	4.00	3.19	2.072	0.154	40	1.90
2 1/2	2.88	5.00	3.94	2.474	0.203	40	4.00
3	3.50	6.00	4.75	3.068	0.216	40	6.00
3 1/2	4.00	7.00	5.50	3.548	0.226	40	8.70
4	4.50	8.00	6.25	4.026	0.237	40	12.20
5	5.56	10.00	7.75	5.044	0.258	40	19.20
6	6.62	12.00	9.31	6.060	0.280	40	32.90
8	8.62	16.00	12.31	7.976	0.322	40	64.90
10	10.75	20.00	15.38	10.020	0.365	40	112.00
12	12.75	24.00	18.38	11.938	0.406	40	165.00
14	14.00	28.00	21.00	13.124	0.438	40	215.00
16	16.00	32.00	24.00	15.000	0.500	40	265.00
18	18.00	36.00	27.00	16.876	0.562	40	335.00
20	20.00	40.00	30.00	18.812	0.594	40	425.00
24	24.00	48.00	36.00	22.624	0.688	40	605.00

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NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (80)	APPROX WEIGHT
1	1.32	2.00	1.62	0.962	0.179	80	0.70
1 1/4	1.66	2.50	2.06	1.278	0.191	80	1.00
1 1/2	1.90	3.00	2.44	1.500	0.200	80	1.50
2	2.38	4.00	3.19	1.939	0.218	80	2.90
2 1/2	2.88	5.00	3.94	2.323	0.276	80	5.20
3	3.50	6.00	4.75	2.900	0.300	80	8.20
3 1/2	4.00	7.00	5.50	3.364	0.318	80	11.70
4	4.50	8.00	6.25	3.826	0.337	80	16.40
5	5.56	10.00	7.75	4.810	0.375	80	27.70
6	6.62	12.00	9.31	5.756	0.432	80	45.70
8	8.62	16.00	12.31	7.620	0.500	80	96.30
10	10.75	20.00	15.38	9.562	0.594	80	160.00
12	12.75	24.00	18.38	11.374	0.688	80	225.00
14	14.00	28.00	21.00	12.500	0.750	80	280.00
16	16.00	32.00	24.00	14.312	0.844	80	350.00
18	18.00	36.00	27.00	16.124	0.938	80	435.00
20	20.00	40.00	30.00	17.938	1.031	80	570.00
24	24.00	48.00	36.00	21.562	1.219	80	790.00

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ASME B16.9 & ASTM A234 WPBSource: Import Domestic Approved

DIMENSIONS

UOM: Inches/LBS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (160)	APPROX WEIGHT
1	1.32	2.00	1.62	0.820	0.250	160	0.85
1 1/4	1.66	2.50	2.06	1.160	0.250	160	1.21
1 1/2	1.90	3.00	2.44	1.338	0.281	160	1.82
2	2.38	4.00	3.19	1.692	0.344	160	3.51
2 1/2	2.88	5.00	3.94	2.130	0.375	160	6.29
3	3.50	6.00	4.75	2.624	0.438	160	9.92
4	4.50	8.00	6.25	3.438	0.531	160	19.84
5	5.56	10.00	7.75	4.310	0.625	160	33.52
6	6.62	12.00	9.31	5.182	0.719	160	55.30
8	8.62	16.00	12.31	6.808	0.906	160	116.52
10	10.75	20.00	15.38	8.500	1.125	160	173.03
12	12.75	24.00	18.38	10.126	1.312	160	256.52
14	14.00	28.00	21.00	11.188	1.406	160	327.91
16	16.00	32.00	24.00	12.812	1.594	160	410.19
18	18.00	36.00	27.00	14.438	1.781	160	514.25
20	20.00	40.00	30.00	16.062	1.969	160	671.55
24	24.00	48.00	36.00	19.312	2.344	160	941.38

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NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO END (A)	BACK TO FACE (T)	INSIDE DIAMETER (I.D.)	WALL THICKNESS (W)	PIPE SCHEDULE (XXS)	APPROX WEIGHT
1	1.32	2.00	1.62	0.604	0.358	-	0.93
1 1/4	1.66	2.50	2.06	0.896	0.382	-	1.33
1 1/2	1.90	3.00	2.44	1.100	0.400	-	2.00
2	2.38	4.00	3.19	1.508	0.436	-	3.90
2 1/2	2.88	5.00	3.94	1.776	0.552	-	6.92
3	3.50	6.00	4.75	2.300	0.600	-	10.91
4	4.50	8.00	6.25	3.152	0.674	-	21.83
5	5.56	10.00	7.75	4.060	0.750	-	36.87
6	6.62	12.00	9.31	4.892	0.864	-	60.83
8	8.62	16.00	12.31	6.870	0.875	-	128.18
10	10.75	20.00	15.38	8.750	1.000	140	190.33
12	12.75	24.00	18.38	10.750	1.000	120	282.17