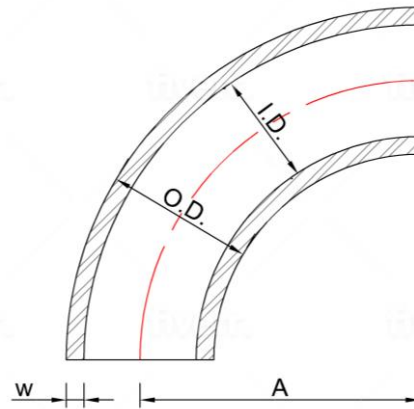


Project Name: _____
Job #: _____

FITTINGS
A403
(LR90)

ASTM A403, B16.9

90° ELBOW - LONG RADIUS



90° LONG RADIUS ELBOWS

Grade: ☐ 304L ☐ 316L ☐ _____
Seam: ☐ Welded ☐ Seamless ☐ WPWX
Source: ☐ Import ☐ Domestic ☐ BAA ☐ AIS ☐ _____

DIMENSIONS

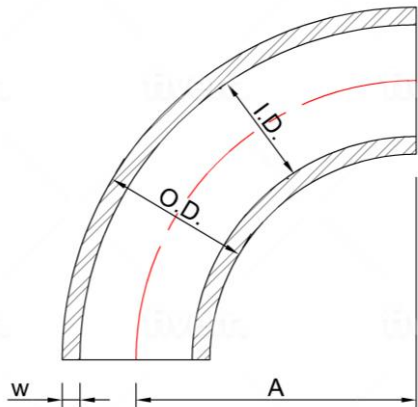
UOM: Inches/LBS

SELECT	NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO FACE (A)	SCHEDULE 5S ☐ < SELECT			SCHEDULE 10S ☐ < SELECT		
				Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight	Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight
☐	½	0.840	1 ½	0.710	0.065	0.12	0.674	0.083	0.14
☐	¾	1.050	1 ½	0.920	0.065	0.13	0.884	0.083	0.15
☐	1	1.315	1 ½	1.185	0.065	0.19	1.097	0.109	0.30
☐	1 ¼	1.660	1 ⅞	1.530	0.065	0.31	1.442	0.109	0.50
☐	1 ½	1.900	2 ¼	1.770	0.065	0.38	1.682	0.109	0.69
☐	2	2.375	3	2.245	0.065	0.64	2.157	0.109	1.13
☐	2 ½	2.875	3 ¾	2.709	0.083	1.50	2.635	0.120	1.88
☐	3	3.500	4 ½	3.334	0.083	2.00	3.260	0.120	2.69
☐	3 ½	4.000	5 ¼	3.834	0.083	2.62	3.760	0.120	3.75
☐	4	4.500	6	4.334	0.083	3.31	4.260	0.120	4.75
☐	5	5.563	7 ½	5.345	0.109	6.50	5.295	0.134	8.00
☐	6	6.625	9	6.407	0.109	10.00	6.357	0.134	12.00
☐	8	8.625	12	8.407	0.109	17.30	8.329	0.148	23.50
☐	10	10.750	15	10.482	0.134	32.00	10.420	0.165	43.00
☐	12	12.750	18	12.438	0.156	51.00	12.390	0.180	60.00
☐	14	14.000	21	13.688	0.156	68.00	13.624	0.188	80.00
☐	16	16.000	24	15.670	0.165	100.00	15.624	0.188	105.00
☐	18	18.000	27	17.670	0.165	125.00	17.624	0.188	132.00
☐	20	20.000	30	19.624	0.188	165.00	19.564	0.218	220.00
☐	24	24.000	36	23.564	0.218	280.00	23.500	0.250	310.00

ss wld ftg and pipe conform to ASTM A403 & MSS SP-43; dimensionally, all ftg conform to ASME B16.9
(≠ Wall) & MSS SP-43

Project Name: _____
Job #: _____

ASTM A403, B16.9
90° ELBOW - LONG RADIUS



90° LONG RADIUS ELBOWS

Grade: ☐ 304L ☐ 316L ☐ _____
Seam: ☐ Welded ☐ Seamless ☐ WPWX
Source: ☐ Import ☐ Domestic ☐ BAA ☐ AIS ☐ _____

DIMENSIONS

UOM: Inches/LBS

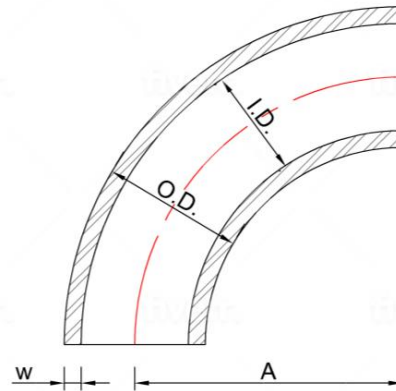
SELECT	NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO FACE (A)	SCHEDULE 40S ☐ < SELECT			SCHEDULE 80S ☐ < SELECT		
				Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight	Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight
☐	½	0.840	1 ½	0.622	0.109	0.18	0.546	0.147	0.23
☐	¾	1.050	1 ½	0.824	0.113	0.19	0.742	0.154	0.25
☐	1	1.315	1 ½	1.049	0.133	0.35	0.957	0.179	0.48
☐	1 ¼	1.660	1 ¾	1.380	0.140	0.56	1.278	0.191	0.88
☐	1 ½	1.900	2 ¼	1.610	0.145	0.88	1.500	0.200	1.13
☐	2	2.375	3	2.067	0.154	1.56	1.939	0.218	2.00
☐	2 ½	2.875	3 ¾	2.469	0.203	3.00	2.323	0.276	4.00
☐	3	3.500	4 ½	3.068	0.216	4.81	2.900	0.300	6.56
☐	3 ½	4.000	5 ¼	3.548	0.226	6.25	3.364	0.318	8.80
☐	4	4.500	6	4.026	0.237	9.19	3.826	0.337	13.63
☐	5	5.563	7 ½	5.047	0.258	15.13	4.813	0.375	21.13
☐	6	6.625	9	6.065	0.280	24.00	5.761	0.432	36.00
☐	8	8.625	12	7.981	0.322	47.50	7.625	0.500	73.00
☐	10	10.750	15	10.020	0.365	85.00	9.750	0.500	114.00
☐	12	12.750	18	12.000	0.375	131.00	11.750	0.500	175.00
☐	14	14.000	21	13.250	0.375	155.00	13.000	0.500	206.00
☐	16	16.000	24	15.250	0.375	202.00	15.000	0.500	269.00
☐	18	18.000	27	17.250	0.375	269.00	17.000	0.500	350.00
☐	20	20.000	30	19.250	0.375	330.00	19.000	0.500	439.00
☐	24	24.000	36	23.250	0.375	464.00	23.000	0.500	617.00

ss wld fgt and pipe conform to ASTM A403 & MSS SP-43; dimensionally, all fgt conform to ASME B16.9
(≠ Wall) & MSS SP-43

Project Name: _____
Job #: _____

ASTM A403, B16.9

90° ELBOW - LONG RADIUS



90° LONG RADIUS ELBOWS

Grade: ☐ 304L ☐ 316L ☐ _____
Seam: ☐ Welded ☐ Seamless ☐ WPWX
Source: ☐ Import ☐ Domestic ☐ BAA ☐ AIS ☐ _____

DIMENSIONS

UOM: Inches/LBS

SELECT	NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO FACE (A)	SCHEDULE 160S ☐ < SELECT			XX STRONG WALL ☐ < SELECT		
				Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight	Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight
☐	½	0.840	1 ½	0.464	0.188	0.29	0.252	0.294	0.46
☐	¾	1.050	1 ½	0.612	0.219	0.35	0.434	0.308	0.50
☐	1	1.315	1 ½	0.815	0.250	0.67	0.599	0.358	0.96
☐	1 ¼	1.660	1 ¾	1.160	0.250	1.15	0.896	0.382	1.76
☐	1 ½	1.900	2 ¼	1.338	0.281	1.59	1.100	0.400	2.26
☐	2	2.375	3	1.689	0.343	3.14	1.503	0.436	4.00
☐	2 ½	2.875	3 ¾	2.125	0.375	5.44	1.771	0.552	8.00
☐	3	3.500	4 ½	2.624	0.438	9.58	2.300	0.600	13.12
☐	3 ½	4.000	5 ¼	----	----	----	2.728	0.636	17.60
☐	4	4.500	6	3.438	0.531	21.53	3.152	0.674	27.26
☐	5	5.563	7 ½	4.313	0.625	35.29	4.063	0.750	42.26
☐	6	6.625	9	5.187	0.719	56.76	4.897	0.864	72.00
☐	8	8.625	12	6.813	0.906	132.00	6.875	0.875	127.00
☐	10	10.750	15	8.500	1.125	256.00	----	----	----
☐	12	12.750	18	10.126	1.312	458.00	----	----	----
☐	14	14.000	21	11.188	1.406	----	----	----	----
☐	16	16.000	24	12.812	1.594	----	----	----	----
☐	18	18.000	27	14.438	1.781	----	----	----	----
☐	20	20.000	30	16.062	1.969	----	----	----	----
☐	24	24.000	36	19.312	2.344	----	----	----	----

ss wld ftg and pipe conform to ASTM A403 & MSS SP-43; dimensionally, all ftg conform to ASME B16.9
(≠ Wall) & MSS SP-43